

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

**SECTION 10.0
ALTERNATIVES**

Section 15126.6 the State CEQA Guidelines requires that an environmental impact report (EIR) must describe a “range of reasonable alternatives” to the project or its location, which would feasibly attain most of the project objectives while avoiding or substantially lessening the significant effects of a proposed project, and must evaluate the comparative merits of each alternative. The range of alternatives to be considered in an EIR is governed by the “rule of reason”; an EIR must consider a reasonable range of alternatives that will foster informed decision making and public participation. The State CEQA Guidelines also make clear that an EIR must include “sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the proposed project.” Among the range of alternatives considered, an EIR must include a “No Project” alternative, which allows decision-makers to compare the impacts of approving a proposed project with the effects of not approving a proposed project (State CEQA Guidelines Section 15126.6(e)(3)(A)). The description of each alternative must be sufficient to allow meaningful evaluation and comparison with a proposed project. Where the No Project alternative is environmentally superior to the other alternatives considered, the lead agency must also identify an environmentally superior alternative among the other alternatives (State CEQA Guidelines Section 15126.6(e)(2)).

As described more fully in Section 2.0 of this Draft EIR, the proposed Project IPA was created by combining elements of three distinct MPA network proposals received through the public participation process. The original three proposals, in addition to the “No Project” alternative, are presented below as possible alternatives to the proposed Project IPA.

Due to its identification as the Commission’s preferred regulatory alternative, the proposed Project IPA has undergone detailed regulatory analysis, to ensure the feasibility of intended use and to ensure compatibility with ongoing activities regulated by other agencies. The three South Coast Regional Stakeholder Groups’ (SCRSG) workgroup proposals haven not undergone this detailed analysis, and the allowed uses and activities within these proposals come directly from the SCRSG workgroups. Although the alternatives have not undergone the same level of analysis as the proposed Project IPA, they were drafted under the same MLPA planning guidelines as the proposed Project, and represent three separate efforts by members of the regional stakeholder group to achieve the objectives and goals set forth by the MLPA. Should one of the alternatives be selected for adoption instead of the proposed Project IPA, it is expected that additional analysis (similar to what was performed for the proposed Project IPA) will be conducted for the adopted alternative.

Because in some cases the boundary differences between options is small, a set of very detailed figures (at scales high enough to display only one to three MPA boundaries per figure for the proposed Project IPA and all four alternatives) has been supplied as Appendix

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

A, while Section 10.0 figures show various alternatives compared with existing conditions. Please refer to the figures in Appendix A in addition to the figures supplied specifically for this section. All figures are bound together in a separate volume, including Appendix A figures.

The four alternatives considered in this section are described briefly below.

1. **Alternative 0 (No Project alternative):** Under this alternative, no regulatory action would be taken by the Commission, and the existing MPA regulations would remain in effect and unmodified. A description of the No Project alternative, as well as a comparative evaluation of its merits and environmental impacts, is presented in Section 10.1 below.
2. **Alternative 1:** This alternative was created by the south coast regional stakeholder group (SCRSG) Work Group 1, a group tasked with developing an MPA proposal that met the SAT's guidelines while achieving a high level of cross-interest support. For further information regarding the origin and development of Alternative 1, please refer to the Work Group's narrative rationale for the proposal (SCRSG 2009a). A description of Alternative 1, as well as a comparative evaluation of its merits and environmental impacts, is presented in Section 10.2 below.
3. **Alternative 2:** This alternative was created by the SCRSG Work Group 2. The Work Group intended their proposal to meet design guidelines while balancing them with socioeconomic impacts. For further information regarding the origin and development of Alternative 2, please refer to the Work Group's narrative rationale for the proposal (SCRSG 2009b). A description of Alternative 2, as well as a comparative evaluation of its merits and environmental impacts, is presented in Section 10.3 below.
4. **Alternative 3:** This alternative was created by the SCRSG Work Group 3, and was intended to achieve preferred SAT science guidelines as requested by the BRTF. For further information regarding the origin and development of Alternative 3, please refer to the Work Group's narrative rationale for the proposal (SCRSG 2009c). A description of Alternative 3, as well as a comparative evaluation of its merits and environmental impacts, is presented in Section 10.4 below.

As described in Section 2.0 of this Draft EIR, is a combination and modification of the three original MPA proposals developed by the Blue Ribbon Task Force. However, because the IPA was identified by the Commission as the preferred regulatory proposal, the regulations proposed in the IPA have been refined and fine-tuned to ensure that the proposed designations are consistent with the intended levels of future use within MPAs. Areas proposed for designation as SMRs were reviewed for potential conflicts with existing uses permitted by other federal and state agencies, and the proposals were revised to designate these areas as SMCAs instead, where appropriate.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

The regulations proposed by Alternatives 1, 2, and 3 are presented below. The language submitted by the BRTF (as a result of the scientific, public, and stakeholder-driven process) has been retained. It is possible that the regulatory language and the designated MPA types being proposed under these alternatives could potentially conflict with existing uses permitted by other federal or state agencies that the Commission lacks the authority to regulate (or which it was not the intent of the BRTF to regulate). However, it is anticipated that if the Commission decides to adopt one of the alternatives, appropriate revisions to the proposed regulatory language and designations would be made as applicable and allowed.

10.1 ALTERNATIVE 0 (NO PROJECT ALTERNATIVE)

Under Alternative 0 (No Project alternative), the MPA regulations for the SCSR would not be revised, and the existing network of MPAs established by regulations in 14 CCR 632(b) would remain in effect. The locations of MPAs under this alternative are depicted graphically on Figure 10-1 and on detailed figures provided in Appendix A, and a numerical summary of the extent of these MPAs is presented in Table 10.1-1. The No Project alternative would retain the existing network of 42 MPAs within the SCSR, which include the 13 existing MPAs surrounding the northern Channel Islands. The existing MPA network encompasses approximately 182 square miles of protected areas, representing approximately 7.7 percent of state waters within the SCSR.

**TABLE 10.1-1
SUMMARY OF AREAS PROTECTED UNDER
ALTERNATIVE 0 (NO PROJECT)**

Type of MPA or Restricted Area¹	Number of Existing MPAs¹	Number of MPAs Under Alternative 0²	Area of Existing MPAs (sq mi)²	Area of MPAs under Alternative 0 (sq mi)³	Net Change in MPA Area (sq mi)³
State Marine Reserve (SMR)	15	15	161.0	161.0	No change
State Marine Conservation Area (SMCA)	19	19	17.95	17.95	No change
State Marine Park (SMP)	8	8	2.68	2.68	No change
MPAs in final configuration	42	42	181.66	181.66	No change

Sources: Department 2010 and Department 2009.

Note:

¹ Type of MPA refers to the type of designation as classified by Section 36710 of the California Public Resources Code.

² Data includes all MPAs within the SCSR, including 13 MPAs surrounding the northern Channel Islands (11 SMRs and 2 SMCAs).

³ Data includes 167.75 square miles of MPAs surrounding the northern Channel Islands (158.67 square miles in SMRs and 9.08 square miles in SMCAs).

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.1.1 Description of Regulations under No Project Alternative

Under this alternative, no regulatory changes would not be adopted and the existing network of MPAs would continue to operate under current regulations (14 CCR 632(b)). Descriptions of existing MPAs and a summary of their respective regulations on take and other activities are provided below.

10.1.1.1 Refugio SMCA

Description of Existing MPA: The Refugio SMCA is adjacent to Refugio State Beach, located approximately 20 miles north of Santa Barbara along Highway 101. This SMCA has an area of 1.03 square miles, and an alongshore span running 2.6 miles. Depths within the SMCA range from 0 to 51 feet. Boundaries of this SMCA are depicted graphically on Figure 3-10 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources within the Refugio SMCA is prohibited except for the recreational take of selected species of marine invertebrates, in addition to the commercial take of finfish, some marine invertebrates, and algae (except giant kelp and bull kelp) (14 CCR 632(b)(74)(B)).

Description of Other Regulated Activities: None.

10.1.1.2 Goleta Slough SMP

Description of Existing MPA: The Goleta Slough SMP is located approximately 8 miles west of Santa Barbara, near Goleta, California. The SMP consists of waters below the mean high tide line within the Goleta Slough Ecological Reserve, and has an area of 0.25 square mile. Boundaries of this proposed SMR are depicted graphically on Figure 3-10 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational hook and line take of species other than marine aquatic plants from designated areas (14 CCR 632(b)(75)(B)).

Description of Other Regulated Activities: Boating, swimming, wading, and diving are prohibited. Other restrictions exist on accessible areas (14 CCR 632(b)(75)(D)).

10.1.1.3 Big Sycamore Canyon SMR

Description of Existing MPA: The Big Sycamore Canyon SMR is located in the southern end of Ventura County, adjacent to Point Mugu State Park, and approximately 15 miles northwest of Malibu. The Big Sycamore Canyon SMR has an area of 2.22 square miles, and an alongshore span of 2.5 miles. This area is bounded by the 5-fathom depth contour and the 20-fathom depth contour. Depths within the SMR range from 0 to 130 feet. Boundaries of

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

this SMR are depicted graphically on Figure 3-11 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited (14 CCR 632(b)(90)(B)).

Description of Other Regulated Activities: Swimming, wading, diving, or using any diving equipment are prohibited (except as authorized for scientific research). Other restrictions exist regarding boating, firearms, public entry, pesticides/herbicides, litter, aircraft, pets, and scientific collection (14 CCR 632(b)(90)(C-L)).

10.1.1.4 Abalone Cove SMP

Description of Existing MPA: The Abalone Cove SMP is located on the eastern edge of the city of Rancho Palos Verdes in Los Angeles County. The SMP has an area of 0.10 square mile, and an alongshore span of 0.8 miles. This area is bounded by the mean high tide line. Depths within the SMP range from 0 to 10 feet. Boundaries of this SMP are depicted graphically on Figure 3-12 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of finfish by hook and line or spear (14 CCR 632(b)(92)(B)).

Description of Other Regulated Activities: None.

10.1.1.5 Point Fermin SMP

Description of Existing MPA: The Point Fermin SMP is located near the town of San Pedro, in the city of Los Angeles, approximately 5 miles southwest of Long Beach. It runs alongside Point Fermin Park. The SMP has an area of 0.07 square mile, and an alongshore span of 0.6 miles. This area is bounded by the mean high tide line and a distance of 600 feet seaward of mean lower low water. Depths within the SMP range from 0 to 20 feet. Boundaries of this SMP are depicted graphically on Figure 3-12 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and selected species of finfish and pelagic finfish to be taken by hook and line or by spearfishing gear only (14 CCR 632(b)(93)(B)).

Description of Other Regulated Activities: None.

10.1.1.6 Bolsa Chica SMP

Proposed Modification of Boundaries: The Bolsa Chica SMP area consists of waters below the mean high tide line within the Bolsa Chica Ecological Reserve, which extends along the

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

east side of the Pacific Coast Highway in the city of Huntington Beach. The SMP has an area of 0.25 square mile. Boundaries of this SMP are depicted graphically on Figure 3-12 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational hook and line take of species other than marine aquatic plants from designated areas around outer Bolsa Bay (14 CCR 632(b)(94)(B)).

Description of Other Regulated Activities: Boating, swimming, wading, and diving are prohibited. Other restrictions exist pertaining to time of entry, accessible areas and allowed management activities (14 CCR 632(b)(94)(D-F)).

10.1.1.7 Arrow Point to Lion Head Point Invertebrate Area (Special Closure)

Description of Existing MPA: The Arrow Point to Lion Head Point Invertebrate Area (Special Closure) is located off the northeastern shore of Santa Catalina Island. This area is bounded by the mean high tide line and a distance of 1,000 feet seaward of mean lower low water. It encompasses an area of 0.54 mile, and has an alongshore span running 2.9 miles. Depths within the Special Closure Area (SCA) range from 0 to 259 feet. The boundaries of the SMR are depicted graphically on Figure 3-13 and on detailed figures provided in Appendix A.

Description of Take Regulations: Recreational take of invertebrates is prohibited. Take of other living marine resources is allowed (14 CCR 632(b)(95)(B)).

Description of Other Regulated Activities: None.

10.1.1.8 Catalina Marine Science Center SMR

Description of Existing MPA: The Catalina Marine Science Center SMR is located on the northern shore of Santa Catalina Island. The SMR covers an area of 0.06 square mile, and an alongshore span running 0.8 mile. This area is bounded by the mean high tide line. Depths range from 0 to 111 feet. The boundaries of the SMCA are depicted graphically on Figure 3-13 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited (14 CCR 632(b)(96)(B)).

Description of Other Regulated Activities: Restrictions exist pertaining to anchoring and mooring of vessels, as well as scientific collection (14 CCR 632(b)(96)(B)).

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.1.1.9 Farnsworth Bank SMCA

Description of Existing MPA: The Farnsworth Bank SMCA is located off the southwest shore of Santa Catalina Island in open water. The SMCA covers an area of 1.68 square miles, and an alongshore span running 1.2 miles. Depths range from 135 to 403 feet. The boundaries of the SMCA are depicted graphically on Figure 3-13 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of purple coral is prohibited. Take of other living marine resources is allowed (14 CCR 632(b)(97)(B)).

Description of Other Regulated Activities: None.

10.1.1.10 Lover's Cove SMCA

Description of Existing MPA: The Lover's Cove SMCA is located on the southeast shore of Santa Catalina Island. The SMCA covers an area of 0.02 square mile, and an alongshore span running 0.3 miles. This area is bounded by the mean high tide line and a distance of 100 yards seaward of mean lower low tide. Depths range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figure 3-13 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the commercial take of finfish and kelp (14 CCR 632(b)(97)(B)).

Description of Other Regulated Activities: None.

10.1.1.11 Upper Newport Bay SMP

Description of Existing MPA: The Upper Newport Bay SMP area consists of waters below the mean high tide line within the Upper Newport Bay Ecological Reserve, which is located in the city of Newport Beach. The SMP covers an area of 1.10 square miles. The boundaries of this SMP are depicted graphically on Figures 3-12 and 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational hook and line take of species other than kelp (14 CCR 632(b)(99)(B)).

Description of Other Regulated Activities: Restrictions exist regarding: swimming areas, boat speed, shoreline access and access (14 CCR 632(b)(99)(C-F)).

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.1.1.12 Robert E. Badham SMCA

Description of Existing MPA: The Robert E. Badham SMCA is located adjacent to the city of Corona Del Mar. The SMCA covers an area of 0.02 square mile, and has an alongshore span of 0.6 miles. This area is bounded by the mean high tide line and a distance of 200 feet seaward of mean lower low water. Depths within the SMCA range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figures 3-12 and 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster, and select species of pelagic finfish by hook and line or by spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(100)(B)).

Description of Other Regulated Activities: None.

10.1.1.13 Crystal Cove SMCA

Proposed Modification of Boundaries: The Crystal Cove SMCA is located approximately halfway between Newport Beach and Laguna Beach. It runs adjacent to Crystal Cove State Park. The SMCA covers an area of 1.80 square miles, and has an alongshore span running 3.1 miles. This area is bounded by the mean high tide line and the 20-fathom depth contour. Depths within the SMCA range from 0 to 136 feet. The boundaries of the SMCA are depicted graphically on Figures 3-12 and 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of selected species of invertebrates and finfish. The commercial take of finfish, selected species of invertebrates, and algae (except giant kelp and bull kelp) are also allowed (14 CCR 632(b)(101)(B).)

Description of Other Regulated Activities: None.

10.1.1.14 Irvine Coast SMCA

Description of Existing MPA: The Irvine Coast SMCA is located approximately halfway between Newport Beach and Laguna Beach. It is adjacent to Crystal Cove State Park. The SMCA covers an area of 0.35 square mile, and an alongshore span running 3.1 miles. This area is bounded by the mean high tide line and a distance of 600 feet seaward of mean lower low water. Depths within the SMCA range from 0 to 14 feet. The boundaries of the SMCA are depicted graphically on Figures 3-12 and 3-14 and on detailed figures provided in Appendix A.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and select species of pelagic finfish and finfish. Finfish shall be taken by hook and line or by spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(102)(B)).

Description of Other Regulated Activities: None.

10.1.1.15 Heisler Park SMR

Description of Existing MPA: The Heisler Park SMR is located adjacent to the City of Laguna Beach. It overlaps with the Laguna Beach SMCA and is adjacent to Heisler Park. The SMR covers an area of 0.04 square mile, and has an alongshore span running 0.4 miles. Depths within the SMCA range from 0 to 11 feet. The boundaries of the SMR are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited (14 CCR 632(b)(104)(B)).

Description of Other Regulated Activities: Boats may be launched and retrieved only in designated areas and may be anchored within the reserve only during daylight hours (14 CCR 632(b)(104)(C)).

10.1.1.16 Laguna Beach SMCA

Description of Existing MPA: The Laguna Beach SMCA is located adjacent to the City of Laguna Beach, and is contiguous to the south end of Heisler Park SMR. The SMCA covers an area of 0.77 square mile, and an alongshore span running 4.4 miles. This area is bounded by the mean high tide line and a distance of 600 feet seaward of mean lower low water. Depths range from 0 to 41 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and selected species of pelagic finfish and finfish (14 CCR 632(b)(103)(B)).

Description of Other Regulated Activities: None.

10.1.1.17 South Laguna Beach SMCA

Description of Existing MPA: The South Laguna Beach SMCA is located adjacent to the City of Laguna Beach, and is contiguous to the southern boundary of Laguna Beach SMCA. The SMCA covers an area of 0.05 square mile, and has an alongshore span running 0.4 miles. This area is bounded by the mean high tide line and the 20-foot depth contour. Depths

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

range from 0 to 22 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and selected species of finfish. Finfish shall be taken by hook and line or spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(103)(B)).

Description of Other Regulated Activities: None.

10.1.1.18 Niguel SMCA

Description of Existing MPA: The Niguel SMCA is located along the southern coast of the City of Laguna Niguel, and a portion of it runs adjacent to Salt Creek Beach Park. The SMCA covers an area of 0.49 square mile, and an alongshore span running 2.0 miles. This area is bounded by the mean high tide line and a distance of 1,200 feet seaward of mean lower low water. Depths range from 0 to 53 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and select species of pelagic finfish and finfish. Finfish shall be taken by hook and line or by spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(106)(B)).

Description of Other Regulated Activities: None.

10.1.1.19 Dana Point SMCA

Description of Existing MPA: The Dana Point SMCA is located adjacent to the City of Dana Point, and is contiguous with the southern boundary of Niguel SMCA.. The SMCA covers an area of 0.20 square mile, and has an alongshore span running 0.8 miles. This area is bounded by the mean high tide line and a distance of 1,200 feet seaward of mean lower low water. Depths range from 0 to 34 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and selected species of pelagic finfish and finfish below the mean lower low-water mark. Finfish shall be taken by hook and line or by spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(107)(B)).

Proposed Modification of Other Regulated Activities: Restrictions exist pertaining to take and impact in the intertidal zone, scientific collection, and allowed management activities (14 CCR 632(b)(107)(C-G)).

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.1.1.20 Doheny SMCA

Description of Existing MPA: The Doheny SMCA is located adjacent to the community of Capistrano Beach, and runs alongside Doheny State Beach. The SMCA covers an area of 0.14 square mile, and an alongshore span running 1.1 miles. This area is bounded by the mean high tide line and a distance of 1,500 feet seaward of mean lower low water. Depths range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of select species of invertebrates and finfish. Commercial take is allowed (14 CCR 632(b)(109)(B)).

Description of Other Regulated Activities: None.

10.1.1.21 Doheny Beach SMCA

Description of Existing MPA: The Doheny Beach SMCA is located adjacent to the community of Capistrano Beach, and runs alongside the Doheny State Beach. The SMCA covers an area of 0.19 square mile, and an alongshore span running 1.2 miles. This area is bounded by the mean high tide line and a distance of 600 feet seaward of mean lower low water. Depths range from 0 to 14 feet. The boundaries of the SMCA are depicted graphically on Figure 3-14 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of lobster and selected species of pelagic finfish and finfish. Finfish shall be taken by hook and line or by spearfishing gear only. The commercial take of spiny lobster is also allowed (14 CCR 632(b)(108)(B)).

Description of Other Regulated Activities: None.

10.1.1.22 Agua Hedionda Lagoon SMR

Description of Existing MPA: The Agua Hedionda Lagoon SMR adjacent to the City of Carlsbad, and consists of waters below the mean high tide line within the Agua Hedionda Lagoon Ecological Reserve. The SMR covers an area of 0.04 square mile. The boundaries of the SMR are depicted graphically on Figures 3-14 and 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited (14 CCR 632(b)(111)(B)).

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Description of Other Regulated Activities: Other restrictions and allowances exist pertaining to management activities for fish and wildlife, flood control, vector control, as well as authorized operation and maintenance activities (14 CCR 632(b)(111)(C)).

10.1.1.23 Batiquitos Lagoon SMP

Description of Existing MPA: The Batiquitos Lagoon SMP is located between the cities of Carlsbad and Encinitas. It consists of waters below the mean high tide line within the Batiquitos Lagoon Ecological Reserve. The SMP covers an area of 0.28 square mile. The boundaries of the SMP are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of finfish by hook and line from shore (14 CCR 632(b)(112)(B)).

Description of Other Regulated Activities: Boating, swimming, wading, and diving are prohibited. Other restrictions exist pertaining to management activities for fish and wildlife, flood and vector control, as well as authorized operation and maintenance activities (14 CCR 632(b)(112)(C-D)).

10.1.1.24 Encinitas SMCA

Description of Existing MPA: The Encinitas SMCA is located adjacent to the City of Encinitas. The SMCA covers an area of 0.11 square mile, and an alongshore span running 0.9 miles. This area is bounded by the mean high tide line and a distance of 600 feet seaward of mean lower low water. Depths range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the commercial and recreational take of finfish (14 CCR 632(b)(113)(B)).

Description of Other Regulated Activities: None.

10.1.1.25 Cardiff-San Elijo SMCA

Description of Existing MPA: The Cardiff-San Elijo SMCA is located near the community of Cardiff-By-The-Sea, and runs southeast of and contiguous with the Encinitas SMCA. The SMCA covers an area of 1.21 square miles, and an alongshore span running 2.1 miles. This area is bounded by the mean high tide line and a distance of 3,000 feet seaward of mean lower low water. Depths range from 0 to 59 feet. The boundaries of the SMCA are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Description of Take Regulations: Take of all living marine resources is prohibited except for select species of invertebrates and finfish. Commercial take is allowed (14 CCR 632(b)(114)(B)).

Description of Other Regulated Activities: None.

10.1.1.26 San Elijo Lagoon SMP

Description of Existing MPA: The San Elijo Lagoon SMP is located near the community of Cardiff-By-The-Sea, and runs southeast of and contiguous with the Cardiff-San Elijo SMCA. This area consists of waters below the mean high tide line within the San Elijo Lagoon Ecological Reserve. The SMCA covers an area of 0.44 square mile. The boundaries of the SMP are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of finfish by hook and line from shore (14 CCR 632(b)(115)(B)).

Description of Other Regulated Activities: Boating, swimming, wading, and diving are prohibited. Other restrictions exist pertaining to management activities for fish and wildlife, flood control and vector control, as well as authorized operation and maintenance activities (14 CCR 632(b)(115)(C-E)).

10.1.1.27 San Dieguito Lagoon SMP

Description of Existing MPA: The San Dieguito Lagoon SMP is located between the cities of Solana Beach and Del Mar. This SMP consists of waters below the mean high tide line within the San Dieguito Lagoon Ecological Reserve. The SMP covers an area of 0.19 square mile. The boundaries of the SMP are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of finfish by hook and line from shore and the Grand Avenue Bridge (14 CCR 632(b)(116)(B)).

Description of Other Regulated Activities: Boating, swimming, wading, and diving are prohibited. Other restrictions exist pertaining to access to the California least tern island, hours of entry, sample collections, and allowed management activities (14 CCR 632(b)(116)(C-G)).

10.1.1.28 San Diego-Scripps SMCA

Description of Existing MPA: The San Diego-Scripps SMCA is located near the community of La Jolla on either side of the Scripps pier. The SMCA covers an area of 0.11

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

square mile, and an alongshore span running 0.5 mile. This area is bounded by the mean high tide line and a distance of 1,000 feet seaward of mean lower low water. Depths range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the commercial and recreational take of finfish (14 CCR 632(b)(117)(B)).

Description of Other Regulated Activities: Licensees of the Regents of the University of California and all officers, employees, and students of such university may take, for scientific purposes, any invertebrate or specimen of marine plant life without a permit from the department (14 CCR 632(b)(117)(C)).

10.1.1.29 La Jolla SMCA

Description of MPA: The La Jolla SMCA is located near the community of La Jolla, and runs south of and contiguous with the San Diego-Scripps SMCA. The SMCA covers an area of 0.53 square mile, and an alongshore span running 1.1 miles. This area is bounded by the mean high tide line. Depths range from 0 to 214 feet. The boundaries of the SMCA are depicted graphically on and on detailed figures provided in Appendix A 3-15.

Description of Take Regulations: Take of all living marine resources is prohibited except the commercial take of squid for bait by use of hand-held scoop net west of a line drawn due north from Goldfish Point (14 CCR 632(b)(118)(B)).

Description of Other Regulated Activities: Boats may be launched and retrieved only in designated areas and may be anchored within the conservation area only during daylight hours (14 CCR 632(b)(118)(C)).

10.1.1.30 Mia J. Tegner SMCA

Description of Existing MPA: The Mia J. Tegner SMCA is located adjacent to Point Loma, off the Cabrillo National Monument. The SMCA covers an area of 0.02 square mile, and has an alongshore span running 0.6 miles. This area is bounded by the mean high tide line and a distance of 150 feet seaward of mean lower low water. Depths range from 0 to 10 feet. The boundaries of the SMCA are depicted graphically on Figure 3-15 and on detailed figures provided in Appendix A.

Description of Take Regulations: Take of all living marine resources is prohibited except the recreational take of finfish and commercial take of finfish and marine aquatic plants (14 CCR 632(b)(119)(B)).

Description of Other Regulated Activities: None.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.1.2 Environmental Impacts of the No Project Alternative

As described above, the No Project alternative proposes no new MPAs; all existing designations and related regulations would remain, including the currently allowable uses within existing MPAs. In accordance with Section 15125(e)(3)(A) of the State CEQA Guidelines, the analysis of the No Project alternative considers the environmental impacts that would occur if the proposed Project were not approved and the existing MPA regulations continued into the future.

10.1.2.1 Consumable Living Marine Resource Products

All existing MPAs would be retained without modification under the No Project alternative, and no additions, removals, boundary adjustments, or regulatory changes would occur. Thus, no fishing or aquaculture effort would be displaced by new and expanded MPAs under this alternative. However, if the existing MPA regulations were to continue into the future, it is foreseeable that the ongoing declines in marine ecosystems, which the MLPA was intended to address, would continue to negatively impact the SCSR's fisheries. In the long term, the No Project alternative would therefore result in negative effects on consumptive uses of the SCSR's marine environment.

10.1.2.2 Air Quality

Alternative 0, which would maintain the existing MPA boundaries and take regulations, would not result in any short-term changes in air pollutant emissions. In the long-term, it is possible that changes in use patterns due to reduced vitality of the SCSR's fisheries would result in changes in pollutant emissions. The nature of these potential changes is unknown, and emissions could potentially increase (due to increased hours at sea or greater travel distances) or decrease (due to diminished interest in the depleted fisheries). In either case, given the relative scale of air emissions from fishing vessels, the effect is not likely to be substantial.

10.1.2.3 Global Climate Change and Greenhouse Gas Emissions

Because the effects of Alternative 0 on GHG emissions would pertain solely to mobile source emissions associated with vessel traffic patterns, GHG emissions under this alternative would be closely correlated with emissions of other air pollutants, discussed in Section 10.1.2.2 above. Effects of the No Project alternative on GHG emissions would be substantially similar to those of the proposed Project IPA. However, because this alternative would not result in increased kelp bed habitat, the rate of biological GHG uptake by algae in the SCSR would be lesser under this alternative compared to the proposed Project IPA.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.1.2.4 Water Quality

Because the No Project alternative, would not propose any regulatory changes, this alternative would not conflict with existing water quality standards or regulatory requirements. No new or altered sources of water pollution would be introduced into the SCSR. This alternative would not directly change fishing or recreation locations, alter vessel operations within the current MPAs, nor would it cause short-term shifts in consumptive or non-consumptive uses at the existing MPAs. Although some long-term shifts in use could be expected due to the continued decline of marine ecosystems under this alternative, effects on water quality are not expected to be substantial.

10.1.2.5 Mineral Resources

The No Project alternative would not result in any changes to the regulatory framework dictating permitted and prohibited offshore activities, and therefore would not result in any foreseeable impacts to either the ongoing exploration and extraction of offshore mineral resources or the future availability of untapped resources.

10.1.2.6 Biological Resources

The MLPA is a statute intended largely for the protection of biological resources. Protecting the natural diversity and abundance of marine life, as well as the structure, function, and integrity of marine ecosystems, is identified in the act as a goal of the MPA system, as is sustaining, conserving, protecting, and rebuilding marine life populations, including those of economic value. By failing to improve the shortcomings of the existing MPA network, the No Project alternative would allow ongoing declines in marine ecosystems to continue unabated. The marine environment supports a wide diversity of marine life, including declining species that have federal and state special status designations, as well as those that are economically important and commercially harvested. If the No Project alternative were adopted, these species would be expected to continue to decline below existing levels. Because the proposed Project IPA would be expected to benefit these species, impact of the No Project alternative on biological resources would be greater than those of the proposed Project IPA.

10.1.2.7 Cultural Resources

The No Project alternative would not result in a change in existing conditions. Neither Alternative 0 nor the proposed Project IPA would result in direct physical alteration of the ocean floor or the bottom of relevant bays or estuaries, and therefore would not directly disturb any historical, archaeological or paleontological resources present, whether they be recorded, known but unrecorded, or yet unknown. Alternative 0 is expected to result in slightly more potential impacts to submerged cultural resources than the proposed Project IPA because far less acreage would be protected by no-take regulations; these regulations

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

result in an incidental reduction in anchoring and trawling impacts that can affect submerged cultural resources, if present. However, boating, diving, and associated anchoring would be allowed in most no-take MPAs regardless of whether the IPA or Alternative 0 is selected, and the impacts of the No Project alternative on cultural resources would be substantially similar to those of the proposed Project IPA.

10.1.2.8 Public Services and Utilities

The No Project alternative would not result in any changes to the existing conditions within the SCSR with regard to the need or availability of utilities or public services, and would therefore have no impact with regard to this resource.

10.1.2.9 Land Use and Recreational Resources

Under Alternative 0, the No Project alternative, existing protections and designations would be maintained. Because no regulatory or land use changes are proposed, this alternative would result in no impacts on land use or recreational resources.

10.1.2.10 Vessel Traffic

The No Project alternative would not change current conditions in the SCSR with respect to vessel traffic, and would therefore not impact this resource.

10.1.2.11 Hazards and Hazardous Materials

Because the No Project alternative would not involve any changes to the existing MPA regulations, no changes in the use of hazardous materials within the SCSR would result. This alternative would avoid the proposed Project IPA's impacts associated with displacement of fishing effort into areas of poor water quality and fish consumption advisories. Overall, impacts of the No Project alternative related to hazards and hazardous materials would be slightly less than those of the proposed Project IPA.

10.1.2.12 Environmental Justice

Because the No Project alternative would not result in any changes to the existing conditions within the SCSR, and would not require any discretionary action on the part of the Commission, this alternative would not create an inconsistency with any policy related to Environmental Justice.

10.1.2.13 No Project Alternative Summary

As described in the subsections above, the No Project alternative would not result in any short-term changes in the existing conditions in the SCSR, and would not result in environmental impacts on most resources. In addition, this alternative would lessen some of

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

the effects of the proposed Project IPA related to hazards. However, the No Project alternative would not comply with the MLPA's mandate to improve the existing network of MPAs, and would not achieve any of the project objectives set forth in Section 3.0 of this Draft EIR. Existing declines in biological resources, which the proposed Project IPA is intended to ameliorate, would foreseeably worsen under this alternative.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2 ALTERNATIVE 1

Under Alternative 1 the existing MPA regulations at 14 CCR 632(b) would be modified, altering the boundaries, designations, and conditions governing the MPA network within the SCSR. The locations of MPAs under this alternative are depicted graphically on Figure 10-3, and a numerical summary of the changes in protected area that would occur under this alternative are presented in Table 10.2-1. The regulatory changes proposed under Alternative 1 would expand the existing MPA network to encompass a total of 50 MPAs, compared to 42 under existing regulations, including the existing 13 MPAs surrounding five of the Channel Islands. The total extent of areas protected would increase from approximately 182 square miles under existing conditions to approximately 361 square miles under Alternative 1.

**TABLE 10.2-1
SUMMARY OF AREAS PROTECTED UNDER ALTERNATIVE 1²**

Type of MPA or Restricted Area ¹	Number of Existing MPAs	Number of MPAs Under Alternative 1	Area of Existing MPAs (sq mi)	Area of MPAs under Alternative 1 (sq mi)	Net Change In MPA Area (sq mi)
State Marine Reserve (SMR)	15	33	161.0	307.76	+146.76
State Marine Conservation Area (SMCA)	19	16	17.95	51.58	+33.63
State Marine Park (SMP)	8	1	2.68	1.53	-1.15
All MPAs in final configuration	42	50	181.66	360.87	+179.24

Sources: Department 2010 and Department 2009.

Note:

¹ Type of MPA refers to the type of designation as classified by Section 36710 of the California Public Resources Code.

² Data includes all MPAs within the SCSR, including those surrounding the northern Channel Islands.

10.2.1 Description of Regulatory Changes under Alternative 1

The changes to existing MPA boundaries and, allowed and prohibited uses that would occur under Alternative 1, are described below.

10.2.1.1 Point Conception SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Point Conception SMR has been proposed in an area of the SCSR with no existing MPA. This proposed SMR would extend due west from Point Conception, and east along the coast just past Cojo Bay; the offshore boundary would be the limits of state jurisdiction. This SMR is the second largest MPA being proposed under Alternative 1, with an area of 22.51 square miles and an alongshore span of 5.27 miles. Depths within the proposed SMR would range from 0 to 489 feet. Boundaries of the Point

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Conception SMR as proposed under Alternative 1 are depicted graphically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

Implementation Notes: This SMR is not intended to regulate, and would not regulate, activities and operations of the U.S. military.

10.2.1.2 Kashtayit SMP

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Kashtayit SMP has been proposed in an area of the SCSR with no existing MPA. The proposed SMP is located approximately 10.50 miles east of the proposed Point Conception SMR, and is adjacent to Gaviota State Park. The proposed SMP would encompass an area of 1.53 square miles, with depths ranging from 0 to 160 feet. The alongshore span would run 1.42 miles. Boundaries of the Kashtayit SMP as proposed under Alternative 1 are depicted graphically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, recreational take of all finfish, marine invertebrates except for rock scallops and mussels, and giant kelp by hand harvest would be allowed.

Proposed Modification of Other Regulated Activities: None.

10.2.1.3 Refugio SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that has been proposed for elimination under Alternative 1. For a description of this existing SMCA, refer to the discussion of the No Project alternative in Section 10.1.1.1 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of marine invertebrates; commercial take of finfish, marine invertebrates, and algae; and prohibiting take of all other living marine resources (14 CCR 632(b)(74)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.4 Mikiw SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Mikiw SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed SMCA is located along the Gaviota Coast, northwest of the proposed Helo SMR. It has an area of 2.58 square miles, and an alongshore span running 1.91 miles, with depths ranging from 0 to 162 feet. Boundaries of the Mikiw SMCA as proposed under Alternative 1 are depicted graphically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to:

1. The recreational take of finfish by spearfishing.
2. The commercial take of giant kelp by mechanical harvest.

Proposed Modification of Other Regulated Activities: None.

10.2.1.5 Helo SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Helo SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located near the City of Goleta and the University of California, Santa Barbara (UCSB). The proposed SMR extends from UCSB's Campus Point westward along the Gaviota Coast, and more than one mile east toward the proposed Goleta Slough SMR. The offshore boundary of the proposed Helo SMR extends south to the offshore limits of state jurisdiction. It has an area of 11.78 square miles and an alongshore span of 3.13 miles, with depths ranging from 0 to 701 feet. Boundaries of the Helo SMR as proposed under Alternative 1 are depicted on geographically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: The intent of SCRSG Work Group 1 is to allow for current oil activities to be permitted to continue without interference. Likewise, the UCSB Marine Science Institute would be permitted to continue current discharge and intake of seawater into this SMR.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.6 Devereux Lagoon SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Devereux Lagoon SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR consists of waters below the mean tide line within the Devereux Slough. The seaward end of the lagoon is contiguous to the proposed Helo SMR. This SMR would have an area of 0.09 square mile. Boundaries of Devereux Lagoon SMR as proposed under Alternative 1 are depicted geographically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to minimize the impacts on current scientific take practices, and allow the current methods of procuring scientific take remain in place so long as they are not overtly harming the resource. The intent with these coastal wetlands is to provide the highest level of protection possible while protecting the operations of current wetlands managers where the managers are doing great work. The SCRSG Work Group 1 supports regulated scientific take of relative resources in an effort to more completely understand their ecosystems.

10.2.1.7 Goleta Slough SMP and Goleta Slough SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: No boundary modifications; under Alternative 1 the existing 0.25 square mile Goleta Slough SMP is proposed to be removed and replaced by an SMR designation. Boundaries of the Goleta Slough SMR as proposed under Alternative 1 are depicted on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing only recreational hook and line take of some species in designated areas (14 CCR 632(b)(75)(B)) would be removed, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.8 Carpinteria Salt Marsh SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Carpinteria Salt Marsh SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located approximately

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

22 miles east of the proposed Goleta Slough SMR. The proposed SMR consists of waters below the mean tide line of the salt marsh, covering an area of 0.28 square mile. Boundaries of the Carpinteria Salt Marsh SMR as proposed under Alternative 1 are depicted geographically on Figure 10-4 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: The intent of the SCRSW Work Group 1 is to minimize impacts on current scientific take practices, and allow the current methods of procuring scientific take to remain in place so long as they are not overtly harming the resource. The intent with these coastal wetlands is to provide the highest level of protection possible while protecting the operations of current wetlands managers where the managers are doing great work. The SCRSW Work Group 1 supports regulated scientific take of relative resources in an effort to more completely understand their ecosystems.

10.2.1.9 Big Sycamore Canyon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMR that has been proposed for removal under the Alternative 1. For a description of this existing SMR, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.3 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations prohibiting take of all living marine resources (14 CCR 632(b)(90)(B)) would be removed.

Proposed Modification of Other Regulated Activities: Under Alternative 1, existing regulations restricting swimming, boating, firearms, public entry, pesticides, litter, use of aircraft, and pets (14 CCR 632(b)(90)(C-L)) would be removed.

10.2.1.10 Sumo SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Sumo SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed SMCA abuts the Malibu coast southeast of Point Mugu State Park, and adjacent to the proposed Lisiqsihi SMR. The boundaries of the proposed SMCA expand westward and southward from Point Dume and to the offshore limits of state jurisdiction. With an area of 16.72 square miles and alongshore span running 4.46 miles, the proposed SMCA is the largest SMCA proposed under Alternative 1. Depths within the proposed SMCA would range from 0 to 2,023 feet. Boundaries of the Sumo

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

SMCA under Alternative 1 are depicted graphically on Figures 10-5 and 10-6 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to:

1. The recreational take of pelagic finfish by spearfishing; Pacific bonito by spearfishing; and white sea bass by spearfishing.
2. The commercial take of coastal pelagic finfish by pelagic round haul nets; market squid by pelagic round haul nets; market squid by dip net; and swordfish by harpoon.

Proposed Modification of Other Regulated Activities: None.

10.2.1.11 Lisiquihi SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Lisiquihi SMR has been proposed in an area of the SCSR with no existing MPA. The Lisiquihi SMR is located adjacent to the Sumo SMCA, and abuts Point Dume State Beach in Malibu. Its boundaries extend northwest and northeast from Point Dume, and southward to the offshore limits of state jurisdiction. The proposed SMR has an area of 6.54 square miles, and an alongshore span running 1.71 miles. Depths within the SMR range from 0 to 1,976 feet. Boundaries of the Lisiquihi SMR as proposed under Alternative 1 are depicted graphically on Figures 10-5 and 10-6 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.12 Palos Verdes SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Palos Verdes SMR has been proposed in an area of the SCSR with no existing MPA. The northern boundary of the proposed SMR extends due west from the northern side of the Palos Verdes pinnacle to the offshore limits of state jurisdiction. The alongshore span of this proposed SMR is limited to avoid coastal beaches along the southeastern boundary. It has an area of 17.20 square miles, and an alongshore span of 3.97 miles, with depths ranging from 0 to 2,640 feet. Boundaries of the Palos Verdes SMR as proposed under Alternative 1 are depicted graphically on Figure 10-6 and on detailed figures provided in Appendix A.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.13 Abalone Cove SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMP that has been proposed for removal under Alternative 1. For a description of this existing MPA, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.4 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of finfish by hook and line or spear and prohibiting take of all other living marine resources (14 CCR 632(b)(92)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.2.1.14 Point Fermin SMP and Point Fermin SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Point Fermin SMP would be redesignated as an SMCA of the same name. The existing boundaries would be simplified for the proposed SMCA to facilitate public understanding and enforcement capabilities. The proposed SMCA more than doubles the area of protection provided by the existing SMP, to a total of 0.16 square mile. The alongshore span would also increase from 0.6 mile, to 0.71 mile. Depths within this proposed MPA would range from 0 to 29 feet. Boundaries of the existing Point Fermin SMP and proposed Point Fermin SMCA under Alternative 1 are depicted graphically on Figure 10-6 and on detailed figures provided in Appendix A. For a description of the SMP proposed for removal, refer to the No Project alternative (existing MPAs) in Section 10.1.1.5 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of select pelagic finfish and other finfish (14 CCR 632(b)(93)(B)) would be replaced by regulations allowing only:

1. The recreational take of lobster by diving; shore fishing (any target) by hook and line; finfish by hook and line; and finfish by spearfishing.
2. The commercial take of lobster by trap; and urchin by diving.

Proposed Modification of Other Regulated Activities: None.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.2.1.15 Bolsa Chica SMP and Povuu'nga Komiik SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Bolsa Chica SMP would be eliminated and replaced by the proposed Povuu'nga Komiik SMR. The boundaries of the proposed SMR are modified from those of the existing SMP to encompass the entire Bolsa Chica Wetlands above the Pacific Coast Highway Bridge. The proposed SMR increases the area of protection provided by the MPA to 0.72 square mile – nearly a 200 percent increase in size. Boundaries of the existing Bolsa Chica SMP and proposed Povuu'nga Komiik SMR under Alternative 1 are depicted graphically on Figure 10-6 and on detailed figures provided in Appendix A. For a description of the SMP proposed for removal, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.6 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational hook and line take of species other than marine aquatic plants from designated areas around outer Bolsa Bay (14 CCR 632(b)(94)(B)) would be lifted, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: The intention of the SCRSG Work Group 1 is to allow all restoration activities including dredging.

10.2.1.16 Emerald Bay (Catalina Island) SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Emerald Bay SMCA has been proposed in an area of the SCSR with an existing SCA designation. The existing Arrow Point to Lion Head Point Invertebrate Area Special Closure has an alongshore span running 2.86 miles along the northeastern side of Catalina Island. The proposed SMCA removes the SCA and establishes boundaries within the area currently encompassed by the southern half of the Special Closure. The proposed boundaries would reduce the area protected by the SCA from 0.54 square mile to 0.22 square mile. The alongshore span and depth range would also decrease to 1.35 miles and 0 to 108 feet respectively. Boundaries of the proposed Emerald Bay SMCA are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A. For a description of the SCA proposed for removal, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.7 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing take of marine invertebrates (14 CCR 632(b)(95)(B)) would be lifted, and take of all living marine resources would become prohibited, except recreational take of finfish.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Other Regulated Activities: None.

10.2.1.17 Catalina Marine Science Center SMR and Blue Cavern SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Catalina Marine Science Center SMR would be replaced by the much larger proposed Blue Cavern SMR. The boundary of the proposed SMR extends northward from the shore of Santa Catalina Island to the offshore limits of state jurisdiction. The Blue Cavern SMR would increase the area of the MPA from 0.06 square mile to 10.28 square miles. The alongshore span would also increase, as would the depth range, to 2.29 miles and 0 to 2,616 feet respectively. Boundaries of the Blue Cavern SMR as proposed under Alternative 1 are depicted on Figure 10-7 and on detailed figures provided in Appendix A. For a description of the existing SMR, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.8 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations prohibiting the take of all living marine resources (14 CCR 632(b)(96)(B)) would remain unmodified with the proposed Blue Cavern SMR.

Proposed Modification of Other Regulated Activities: None.

10.2.1.18 Cat Harbor (Catalina Island) SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Cat Harbor SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed SMCA is located on the western side of Santa Catalina Island, and has an area of 0.25 square mile. It has an alongshore span of 0.45 mile, and depths ranging from 0 to 186 feet. Boundaries of the Cat Harbor SMCA as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to:

1. The recreational take of lobster by hoop net; lobster by diving; urchin by diving; finfish by hook and line; and finfish by spearfishing.
2. The commercial take of sea cucumber by diving; lobster by trap; and urchin by diving.
3. Recreational fishing for squid by jigging.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow mariculture of white sea bass and yellowtail.

10.2.1.19 Long Point (Catalina Island) SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Long Point SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located on the southeast side of Santa Catalina Island, approximately 2.20 miles south of the proposed Blue Cavern SMCA. It has area of 3.54 square miles, and an alongshore span of 2.96 miles. Depths within this proposed SMR would range from 0 to 988 feet. Boundaries of the Long Point SMR as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.20 Farnsworth Bank SMCA and Farnsworth SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Farnsworth Bank SMCA would be removed and replaced by the proposed Farnsworth SMCA. The MPA is currently located offshore of the southwest coast of Santa Catalina Island. The proposed SMCA would extend the boundaries of the existing Farnsworth Bank SMCA due east to the coast of Santa Catalina Island, and due west to the offshore limits of state jurisdiction. The resulting area of 9.28 square miles is 5.5 times greater than that of the existing MPA. The alongshore span also increases from 1.2 miles to 2.61 miles, and the depth range within the MPA increases to 0 to 1,909 feet. Boundaries of the proposed Farnsworth SMCA as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing take of all living marine resources except purple coral (14 CCR 632(b)(97)(B)) would be lifted, and take of living marine resources would become limited to:

1. Recreational take of pelagic finfish by spearfishing; Pacific bonito by spearfishing; white sea bass by spearfishing; coastal pelagic finfish by dip net; jumbo squid by hook and line; and market squid by dip net.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

2. Commercial take of coastal pelagic finfish by pelagic round haul nets; coastal pelagic finfish by dip net; jumbo squid by hook and line; market squid by pelagic round haul nets; market squid by dip net; and swordfish by harpoon.
3. Recreational take of striped marlin (hook and line) only IF the MPA maintains a high LOP, and if it will not negatively impact the Department's feasibility analysis.

Proposed Modification of Other Regulated Activities: None.

10.2.1.21 Casino Point (Catalina Island) SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Casino Point SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed Casino Point SMCA is located at the northern end of the Avalon Harbor, and has an area of 0.01 square mile. It has an alongshore span running 0.15 mile, and depths ranging from 0 to 73 feet. Boundaries of the Casino Point SMCA as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to recreational take of urchin (including red and purple urchins) by diving and with game permit.

Proposed Modification of Other Regulated Activities: None.

10.2.1.22 Lover's Cove SMCA

Classification: Proposed Expansion.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Lover's Cove SMCA will be expanded and increased to encompass an area of 0.06 square mile. The proposed SMCA covers an alongshore span of 0.39 mile, and the depth range encompassed by the proposed MPA is 0 to 188 feet. The boundaries of the Lover's Cove SMCA as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing commercial take of finfish and kelp (14 CCR 632(b)(98)(B)) would be lifted, and take of living marine resources would become limited to recreational pier fishing of any target by hook and line.

Proposed Modification of Other Regulated Activities: None.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.2.1.23 Begg Rock SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Begg Rock SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is encircles Begg Rock, located approximately 9 miles north of San Nicolas Island. With an area of 37.96 square miles, the proposed SMR is the largest MPA proposed under Alternative 1. The depth range encompassed by the proposed SMR is 219 to 374 feet. The boundaries of the Begg Rock SMR as proposed under Alternative 1 are depicted graphically on Figure 10-7 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: This SMR is not intended to and will not regulate military activities. The SCRSG Work Group 1 proposal recommends that the Department and U.S. Department of Defense should coordinate regulatory language similar to Vandenberg SMR.

10.2.1.24 Upper Newport Bay SMP and Upper Newport Bay SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Upper Newport Bay SMP would be replaced by the proposed Upper Newport Bay SMCA. The boundaries of the proposed SMCA would slightly modify existing boundaries, reducing the existing area of 1.10 square miles to 1.09 square miles. Boundaries of the existing Upper Newport Bay SMP and proposed Upper Newport Bay SMCA as proposed under Alternative 1 are depicted graphically on Figures 10-6 and 10-8 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational hook and line take of species other than kelp (14 CCR 632(b)(99)(B)) would be lifted, and take of living marine resources would become limited to recreational catch-and-release of any target by hook and line (single barbless hooks and artificial lures) from shore.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow all restoration activities including dredging. Fishing would be allowed only in shore access areas approved by the Ecological Reserve manager.

10.2.1.25 Umuqpat SMCA

Classification: Proposed Replacement.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: Under Alternative 1, the existing Robert E. Badham SMCA, Irvine Coast SMCA, and Crystal Cove SMCA would be subsumed into the newly proposed Umuqpat SMCA. This proposed SMCA would increase the protected area encompassed by the three existing MPAs from 2.17 square miles to 3.18 square miles. The alongshore span and maximum depth within the MPA would also increase to 3.52 miles and 242 feet respectively. Boundaries of the proposed SMCA under Alternative 1 are depicted on Figures 10-6 and 10-8 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Existing regulations governing the three existing SMCAs (see sections 10.2.1.26, 10.2.1.27, and 10.2.1.28, below) would be lifted, and take of living marine resources would become limited to the following:

1. The recreational take of lobster by hoop net; lobster by diving; urchin by diving; finfish by hook and line; and finfish by spearfishing.
2. The commercial take of lobster by trap; urchin by diving; coastal pelagic finfish by pelagic round haul nets; and market squid by pelagic round haul nets.
3. Recreational take of all finfish, except sheephead.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow for kelp restoration activities. Additionally, any commercial urchin fishermen entering this area must be collecting data, with appropriate certification. Protocols would be established by the Department or a designated marine science institute or university.

10.2.1.26 Robert E. Badham SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Robert E. Badham SMCA would be eliminated as the area encompassed by the MPA is subsumed into the proposed Umuqpat SMCA, as described in Section 10.2.1.25 above. For a description of the existing Robert E. Badham SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.12 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of lobster and select species of pelagic finfish and finfish taken by hook and line or by spearfishing gear; and the commercial take of spiny lobster (14 CCR 632(b)(100)(B)) would be lifted and replaced by take regulations proposed for the Umuqpat SMCA. Refer to Section 10.2.1.25 above for changes to take regulations governing the area encompassed by this existing MPA.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.25 above.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.27 Crystal Cove SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Crystal Cove SMCA would be eliminated as the area is subsumed into the proposed Umuqpat SMCA, described in Section 10.2.1.25 above. For a description of the existing Crystal Cove SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.13 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of select species of invertebrates and finfish; commercial take of finfish, select species of invertebrates, and algae except giant kelp and bull kelp (14 CCR 632(b)(101)(B)) would be lifted and replaced by take regulations proposed for the Umuqpat SMCA. Refer to Section 10.2.1.25 above for changes to take regulations under Alternative 1.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.25 above.

10.2.1.28 Irvine Coast SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Irvine Coast SMCA would be eliminated as the area is subsumed into the proposed Umuqpat SMCA, as described in Section 10.2.1.25 above. For a description of the existing Irvine Coast SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.14 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of lobster, recreational take of selected species of pelagic finfish and finfish taken by hook and line or by spearfishing gear, and commercial take of spiny lobster (14 CCR 632(b)(102)(B)) would be lifted and replaced by take regulations proposed for the Umuqpat SMCA. Refer to Section 10.2.1.25 above for changes to take regulations under Alternative 1.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.25 above.

10.2.1.29 Laguna SMR

Classification: Proposed Replacement and Expansion.

Proposed Modification of Boundaries: Under Alternative 1, the existing Heisler Park SMR and Laguna Beach SMCA would be subsumed into the proposed Laguna SMR. This proposed SMR would increase the protected area encompassed by the two existing MPAs

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

from 0.81 square mile to 10.45 square miles. The alongshore span and the maximum depth within the MPA would also increase to 3.11 miles and 1,433 feet respectively. This MPA borders the terrestrial Laguna Coast Wilderness Park. Boundaries of the proposed Laguna SMR under Alternative 1 would extend beyond the offshore boundaries of the existing MPAs to be subsumed, as depicted on Figure 10-8 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations governing take within the existing MPAs (see Section 10.2.1.30 and 10.2.1.31 below) would be replaced by regulations prohibiting all take of living marine resources. This change would result in more restrictive regulations within the Laguna Beach SMCA, but would not change the protections within the Heisler Park SMR.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSW Work Group 1 are to allow scientific data collection by commercial fishermen trained to collect data. Designation of this MPA is not intended to impede ongoing Clean Water Act-mandated monitoring, maintenance and marine life sampling for pollutant effects associated with the Aliso Creek mid-level sewer outfall.

10.2.1.30 Heisler Park SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Heisler Park SMR would be removed as the area is subsumed by the proposed Laguna SMR. For a description of the existing Heisler Park SMR, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.15 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting the take of all living marine resources would persist under the proposed Laguna SMR.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.29 above.

10.2.1.31 Laguna Beach SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Laguna Beach SMCA would be eliminated as the area is subsumed into the proposed Laguna SMR. For a description of the existing Laguna Beach SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.16 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of lobster and selected species of pelagic finfish and finfish (14

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

CCR 632(b)(103)(B)) would be lifted, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.29 above.

10.2.1.32 Dana Point SMCA

Classification: Proposed Expansion and Replacement.

Proposed Modification of Boundaries: Under Alternative 1, the existing Dana Point SMCA would be expanded to become contiguous with the proposed Laguna SMR to the North, and would subsume the existing South Laguna Beach and Niguel SMCAs. The proposed boundary revisions would yield a revised area of 4.15 square miles, and an alongshore span of 5.02 miles. Boundaries of the Dana Point SMCA under Alternative 1 are depicted on Figure 10-8 and on detailed figures provided in Appendix A. Depths within the proposed MPA would range from 0 to 152 feet.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations governing take of marine resources within the subsumed MPAs (see Sections 10.2.1.33 and 10.2.1.34) would be lifted, and take of living marine resources would become limited to the following:

1. The recreational take of lobster by hoop net; lobster by diving; urchin by diving; finfish by hook and line; and finfish by spearfishing.
2. The commercial take of lobster by trap; urchin by diving; coastal pelagic finfish by pelagic round haul nets; and market squid by pelagic round haul nets.
3. Recreational take of all finfish except sheephead.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow kelp restoration activities. Regulations proposed under Alternative 1 would require that any commercial urchin fishermen entering this area must be collecting data, and must carry appropriate certification. Protocols would be established by the Department or a designated marine science institute or university. It is not the intent of this MPA to impede ongoing Clean Water Act mandated monitoring, maintenance and marine life sampling for pollutant effects associated with the Aliso Creek mid-level sewer outfall. This area was specifically designed to further cooperative fisheries research opportunities on kelp forest ecosystem interactions. Additional intended uses including CPS seine, recreational lobster hoopnet and kelp restoration were discussed in the work group.

10.2.1.33 South Laguna Beach SMCA

Classification: Proposed Removal.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: Under Alternative 1, the existing South Laguna Beach SMCA would be eliminated as the area is subsumed by the proposed Dana Point SMCA. For a description of the existing South Laguna Beach SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.17 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of lobster, recreational take of selected species of pelagic finfish and finfish – taken by hook and line or spearfishing gear, and the commercial take of spiny lobster (14 CCR 632(b)(105)(B)) would be lifted, and take of all living marine resources would become prohibited, except for those discussed in Section 10.2.1.32 above.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.32.

10.2.1.34 Niguel SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 1, the existing Niguel SMCA would be removed as the area is subsumed into the proposed Dana Point SMCA. For a description of the existing Niguel SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.18 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of lobster, recreational take of selected species of pelagic finfish and finfish taken by hook and line or by spearfishing gear, and the commercial take of spiny lobster (14 CCR 632(b)(106)(B)) would be lifted, and take of living marine resources would become limited to those listed under Section 10.2.1.33.

Proposed Modification of Other Regulated Activities: Refer to Section 10.2.1.33.

10.2.1.35 Doheny SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that is proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.20 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of select species of invertebrates and finfish, commercial take, and prohibiting take of all other living marine resources (14 CCR 632(b)(109)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.36 Doheny Beach SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that is proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.21 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations in this area allowing recreational take of lobster; select species of pelagic finfish and finfish taken by hook and line or by spearfishing gear; commercial take of spiny lobster; and (14 CCR 632(b)(108)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.2.1.37 Agua Hedionda Lagoon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMR that is proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.22 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations prohibiting take of all living marine resources (14 CCR 632(b)(111)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Under Alternative 1, existing regulations pertaining to management activities for fish and wildlife, flood control, vector control, and authorized operation and maintenance activities (14 CCR 632(b)(111)(C)) would be lifted.

10.2.1.38 Batiquitos Lagoon SMP and Batiquitos Lagoon SMR

Proposed Modification of Boundaries: Under Alternative 1, the existing Batiquitos Lagoon SMP would be slightly expanded and replaced by the Batiquitos Lagoon SMR. The proposed SMR would have an area of 0.48 square mile. Boundaries of this proposed SMR are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of finfish by hook and line from shore (14 CCR 632(b)(112)(B)) would be lifted, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow activities such as dredging and habitat restoration.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.39 Encinitas SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that is proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.24 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing commercial and recreational take of finfish, and prohibiting take of all other living marine resources (14 CCR 632(b)(113)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.2.1.40 Cardiff-San Elijo SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that has been proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.25 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of select species of invertebrates and finfish and commercial take, and prohibiting take of all other living marine resources (14 CCR 632(b)(114)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.2.1.41 San Elijo Lagoon SMP and San Elijo SMR

Proposed Modification of Boundaries: Under Alternative 1, the existing San Elijo Lagoon SMP would be replaced by the San Elijo SMR. Boundaries of the existing SMP would remain unmodified in the proposed SMR. Boundaries of this proposed SMR are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of finfish by hook and line from shore (14 CCR 632(b)(115)(B)) would be removed, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: The SCRSG Work Group 1 has noted that a nine hundred acre wetland restoration project is proposed for this area.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.42 San Dieguito Lagoon SMP and San Dieguito Lagoon SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing San Dieguito SMP would be expanded and replaced with the San Dieguito Lagoon SMR. The proposed SMR would have an area of 0.52 square mile. Boundaries of the proposed MPA are illustrated on Figure 10-9 and on detailed figures provided in Appendix A. For a description of the existing SMP, refer to the discussion of the No Project alternative in Section 10.1.1.27 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of finfish by hook and line from shore and from the Grand Avenue bridge (14 CCR 632(b)(116)(B)) would be removed, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow all restoration activities, including dredging.

10.2.1.43 Del Mar SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed under Alternative 1 in an area of the SCSR with no existing MPA. The proposed SMR has an area of 13.30 square miles, and an alongshore span of 3.77 miles, and would extend from approximately two miles north of the proposed San Dieguito Lagoon SMR to the proposed Los Penasquitos Marsh SMR. The western boundary of this proposed SMR would follow the offshore limits of state jurisdiction, three nautical miles from shore. Boundaries of this proposed MPA are depicted on Figure 10-9 and on detailed figures provided in Appendix A. Depths within the MPA would range from 0 to 1,095 feet.

Proposed Modification of Take Regulations: Under Alternative 1, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow sand replenishment and beach nourishment activities to continue.

10.2.1.44 Los Penasquitos Marsh SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the coast with no existing MPA. The proposed SMR has an area of 0.35 square mile. The proposed

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

SMR would be limited to the coastal area in the vicinity of the Los Penasquitos Salt Marsh, as depicted on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow all restoration activities including dredging.

10.2.1.45 San Diego-Scripps SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This SMCA has been proposed for removal under Alternative 1. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.28 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational and commercial take of finfish, and prohibiting take of all other living marine resources (14 CCR 632(b)(117)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Under Alternative 1, existing regulations pertaining to take for scientific purposes (14 CCR 632(b)(117)(C)) would be lifted.

10.2.1.46 La Jolla SMCA and La Jolla Cove SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing La Jolla SMCA would expand and be replaced by the proposed La Jolla Cove SMR. The proposed La Jolla Cove SMR would have an area of 0.77 square mile and an alongshore span of 1.14 miles. Boundaries of the La Jolla Cove SMR are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A. Depths within the MPA would range from 0 to 214 feet.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing commercial take of squid for bait from designated areas (14 CCR 632(b)(118)(B)) would be removed, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: The SCRSG Work Group 1 notes that restrictions exist regarding boat launching areas and anchoring times.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.2.1.47 La Jolla South SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. Under Alternative 1, the proposed SMR would have an area of 2.11 square miles, and an alongshore span of 0.93 mile. This MPA is configured adjacent to the northern border of the proposed La Jolla South SMCA. Depths within the proposed MPA would range from 0 to 144 feet. Proposed boundaries are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.48 La Jolla South SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: Under Alternative 1, this SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed boundaries would encompass an area of 2.79 square miles, and would measure an alongshore span of 0.96 mile. Depths within the proposed MPA would range from 0 to 176 feet. Boundaries of this proposed SMCA are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to:

1. Recreational take of kelp bass and barred sand bass by hook and line; lobster by diving; pelagic finfish by hook and line; urchin by diving; pacific bonito by hook and line; white sea bass by spearfishing; and white sea bass by hook and line.
2. The commercial take of lobster by trap; and urchin by diving.

Proposed Modification of Other Regulated Activities: The SCRSG Work Group 1 notes that the area provides opportunities for education, study, and ongoing monitoring as well as collaborative research with local fishermen. The intent of the SCRSG Work Group 1 is that any commercial fishermen entering this area must be collecting data, with appropriate certification; protocol would be established by the Department or a designated marine science institute or university. The SCRSG Work Group 1 also intends to implement the MPA concurrently with State Water Resources Control Board designation as a SWQPA.

10.2.1.49 Famosa Slough SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The Famosa Slough SMR would be located within the Famosa Slough estuary, south of the San Diego River channel. The proposed SMR would have an area of 0.11 square mile. Boundaries of the SMR proposed under Alternative 1 are depicted on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1 take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.50 Ocean Beach Pier SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed SMCA would be located adjacent to the northern boundary of the proposed Ocean Beach SMR, and would contain the existing Ocean Beach Pier. The proposed SMCA would have an area of 0.08 square mile, and an alongshore span of 0.12 mile under this alternative. Depths within the proposed MPA would range from 0 to 35 feet. Boundaries of the Ocean Beach Pier SMCA as proposed under Alternative 1 are depicted on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to pier fishing by hook and line.

Proposed Modification of Other Regulated Activities: None.

10.2.1.51 Ocean Beach SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the coast with no existing MPA. Under Alternative 1, the proposed SMR would have an area of 9.00 square miles, and an alongshore span running 2.55 miles. Depths within the proposed MPA would range from 0 to 336 feet. Boundaries of the proposed Ocean Beach SMR are depicted graphically on Figure 10-9 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 1, take of all living marine resources would be prohibited.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Other Regulated Activities: None.

10.2.1.52 Mia J. Tegner SMCA and Cabrillo SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 1, boundaries of the existing Mia J. Tegner SMCA would be expanded and replaced by the proposed Cabrillo SMR. The proposed SMR would have an area of 0.38 square mile, and an alongshore span running 0.26 mile. Boundaries of the proposed MPA are depicted on Figure 10-9 and on detailed figures provided in Appendix A. Depths within the proposed MPA would range from 0 to 30 feet.

Proposed Modification of Take Regulations: Under Alternative 1, existing regulations allowing recreational take of finfish and commercial take of finfish and marine aquatic plants (14 CCR 632(b)(119)(B)) would be removed, and take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: None.

10.2.1.53 Tijuana River Mouth SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMCA has been proposed in an area of the coast with no existing MPA. The Tijuana River Mouth SMCA would be located at the mouth of the Tijuana River at the U.S.–Mexico border. The proposed SMCA has an area of 1.91 square miles, and an alongshore span running 1.60 miles, and is depicted on Figure 10-9 and on detailed figures provided in Appendix A. Depths within the proposed SMCA would range from 0 to 55 feet. The proposed MPA is adjacent to Tijuana River Estuary, a National Estuarine Research Reserve site.

Proposed Modification of Take Regulations: Under Alternative 1, take of living marine resources would be limited to:

1. The recreational take of coastal pelagic finfish by dip net; and pier fishing (any target) by hook and line.
2. The commercial take of coastal pelagic finfish by pelagic round haul nets.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 1 are to allow deposition of sediment to be permitted in the near shore zone adjacent to the Tijuana River National Estuarine Research Reserve for any research, restoration, beach or dune nourishment projects including opening the mouth of the Tijuana River if it is blocked. This will be done in accordance with agency permitting.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

The City of Imperial Beach would be allowed to continue their beach replenishment and maintenance program. They would be made aware of the damage of kelp removal in beach grooming procedures.

10.2.2 Environmental Impacts of Alternative 1

As described above, under Alternative 1 existing MPA regulations would be modified, altering the boundaries, designations, and conditions governing the MPA network within the SCSR. This alternative would increase the number and area of MPAs and designate more protective regulations for those MPAs than currently exist in the Project area. The total extent of areas protected would increase from approximately 182 square miles under existing conditions (Alternative 0) to approximately 361 square miles under Alternative 1. Compared to the proposed Project IPA, this alternative would protect an additional 10.2 square miles in new or expanded MPAs.

10.2.2.1 Consumable Living Marine Resource Products

Adoption of regulatory changes as proposed by Alternative 1 would result in substantial expansion of the areas designated as MPAs within the SCSR. In locations where new or expanded MPAs would overlap existing fishing grounds or areas used for aquaculture, the take and use restrictions of the newly-imposed MPAs would apply. If the existing consumptive uses are not consistent with these restrictions, then the uses would be displaced into other areas where the uses would remain legal. Displacement of consumptive uses would not affect all fisheries equally, due to variation in the abundance and spatial distribution of marine resources. According to a report published by EcoTrust (Scholz et al. 2010), the nearshore trap fishery near Dana Point and the red sea urchin fishery near Oceanside would be disproportionately affected under this alternative, with effects on the stated value of total fishing grounds estimated at 29.3 percent and 60.9 percent, respectively. This level of displacement would be greater than that which would occur under the proposed Project IPA; the proposed Project IPA would disproportionately affect the nearshore trap fishery in Dana Point (28.0 percent of stated value), but would not disproportionately affect the red sea urchin fishery.

10.2.2.2 Air Quality

Like the proposed Project IPA, the primary source of operational emissions from this alternative would be from a change in marine vessel transit distances above the current practices due to displacement from MPAs. Because the regulatory changes proposed under this alternative would result in an MPA network that would protect approximately 10 square miles more than the proposed Project IPA, it is reasonable to assume that a concomitant increase in distance travelled by displaced fishing vessels would occur. Air quality impacts of Alternative 1 are therefore expected to be slightly greater than those of the proposed Project IPA.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.2.2.3 Global Climate Change and Greenhouse Gas Emissions

Because the effects of Alternative 1 on GHG emissions would pertain solely to mobile source emissions associated with vessel traffic patterns, GHG emissions under this alternative would be closely correlated with emissions of other air pollutants, discussed in Section 10.2.2.2 above. Effects of Alternative 1 on GHG emissions would be slightly greater than those of the proposed Project.

10.2.2.4 Water Quality

Similar to the proposed Project IPA, under Alternative 1 existing facilities, and ongoing research and monitoring in the proposed MPAs would be allowed to continue pursuant to any required federal, state and local permits. Although not a primary criterion for MPA designation, guidance during the SCRSR MPA design process included consideration of areas with more potential water contaminant influence. The water and sediment quality evaluation determined that Alternative 1 was located in an area of the SCSR with few water quality concerns except storm water discharges. However, based on a review of the Marine Map Decision Support Tool (Marine Map 2010), several of the MPAs proposed under this alternative would encompass existing offshore wastewater discharge locations. These include the Kashtayit SMCA, Mikiw SMCA, and Blue Cavern SMR (minor wastewater discharges), the San Elijo Lagoon SMR (intermediate wastewater discharge) and the Del Mar SMR and Tijuana River Mouth SMCA (stormwater discharges). Should the Commission elect to adopt this alternative, the proposed regulations would be fine-tuned to ensure compatibility with these existing uses permitted by other agencies. In some cases, this could require designating an MPA as an SMCA rather than an SMR. Expansion of the existing MPA network would be consistent with the RWQCB basin plans for the study area, and would not conflict with existing water quality standards or regulatory requirements.

Like the proposed Project IPA, this alternative could increase the potential for accidental release of pollutants such as oils and fuels and other hazardous materials into the water due to increased transit time or risk of accidents from overcrowding, as well as opening new areas where MPA designations have been removed. Similar to the proposed Project, potential shifts in non-consumptive uses with the implementation of Alternative 1 could have a minor localized effect on water quality but would be expected to be minimal. The potential impact from this alternative would be substantially similar to that of the proposed Project.

10.2.2.5 Mineral Resources

New or expanded MPAs under Alternative 1 would not substantially overlap existing oil and gas production facilities, salt producing facilities, beach nourishment areas, or geothermal resource areas. However, existing oil and natural gas pipelines are located adjacent to the proposed Povuu'nga Kornik SMR near Huntington Beach (CDC 2000). If Alternative 1 were to be adopted, the proposed regulations would be revisited to ensure that where these

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

overlaps occur, the language allows for continuation of these existing uses permitted by other agencies. Because the proposed MPAs would not regulate existing mineral resource exploration and extraction activities, there would be no impact to the availability of known resources. Potential effects of implementing Alternative 1 relative to mineral resources would be comparable to those of the proposed Project IPA.

10.2.2.6 Biological Resources

Like the proposed Project IPA, Alternative 1 was developed in an effort to meet the goals of the MLPA and improve the state's existing system of MPAs. Because the protection and enhancement of marine ecosystems and habitats is a central objective of the MLPA, this alternative would be expected to benefit biological resources in the long term. Removal of a human predator is not anticipated to impact species and habitats inside MPAs created or expanded by Alternative 1; instead, it is expected that the proposed MPAs will result in the return of naturally balanced ecosystems. However, in the short-term, Alternative 1 could potentially result in adverse localized impacts on biological resources located at edges of MPAs, or within existing MPAs that would be removed under this alternative. Generally, these impacts would also occur under the proposed Project IPA. The existing Big Sycamore Canyon SMR, which contains the marine receiving waters of Big Sycamore Creek, a known historical steelhead creek, would be removed under this alternative, but would also be removed under the proposed Project IPA. Long-term benefits to biological resources resulting from Alternative 1 would be slightly greater than those of the proposed Project, as this alternative would preserve slightly more marine habitat within MPAs.

10.2.2.7 Cultural Resources

Neither Alternative 1 nor the proposed Project IPA would result in direct physical alteration of the ocean floor or the bottom of relevant bays or estuaries, and therefore would not directly disturb any historical, archaeological or paleontological resources present, whether they be recorded, known but unrecorded, or yet unknown. Both Alternative 1 and the IPA would remove many of the same MPAs; potential impacts would be negligible because many of the MPAs that would be removed currently allow boating, diving, and associated anchoring, so removing the MPAs would not result in a substantial change in conditions. Potential adverse impacts of Alternative 1, if any, would be similar to those of the proposed Project IPA.

10.2.2.8 Public Services and Utilities

Alternative 1 would not increase the need for public utilities or services significantly. The minor adjustments to the size and location of the proposed MPAs would not create a substantial difference in impact to law enforcement resources beyond what is described for the proposed Project IPA, and would not impact the existing utilities. All of the proposed MPAs are outside of the intake and discharge locations for power generation facilities

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

utilizing once-through ocean cooling systems and existing desalination facilities with ocean intake and discharge systems. Further, if this alternative were to be adopted by the Commission, the regulatory language would be revisited to ensure that existing activities under the permitting authority of other federal or state agencies, such as operations of intake and outfall pipes, would continue to be allowed under Alternative 1. The effects of Alternative 1 on public services and utilities, including law enforcement resources, would be substantially similar to those of the proposed Project IPA.

10.2.2.9 Land Use and Recreational Resources

Alternative 1, like the proposed Project IPA, would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative would not be expected to increase the use of existing parks or recreational facilities within the SCSR, or require the construction or expansion of recreational facilities. However, it is possible that adoption of this alternative could result in angling or fishing activity becoming concentrated at certain access points where parking or other facilities may be limited. The likelihood of this situation occurring would be based on a number of factors, including the existing use/capacity ratio for the facility and the net change in user density caused by revision of the MPA network. It is foreseeable that although consumptive users of the marine environment would be displaced from MPAs into open fishing grounds, certain non-consumptive users, such as divers, kayakers, and wildlife viewers, would offset this trend by preferentially using protected areas. With regard to land use and recreation, potential effects of implementing Alternative 1 would be similar to those of the proposed Project IPA.

10.2.2.10 Vessel Traffic

Alternative 1, like the proposed Project IPA, would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative is not expected to add vessel traffic to the SCSR. On a smaller scale, however, it is possible that changing use patterns in response to the proposed regulatory changes would result in elevated vessel traffic levels at some locations; increased vessel traffic concentrations from this alternative would be approximately similar to those expected from the proposed Project IPA, and would be minor. The proposed MPAs would not regulate or preclude vessel traffic; and existing traffic separation schemes, vessel traffic system monitoring, safety reviews and recommendations by Harbor Safety Committees, USCG enforcement, and other systems to ensure safe navigation and vessel operations would remain in place. Similar to the proposed Project IPA, one of the MPAs proposed under Alternative 1 (the Palos Verdes SMR) abuts the northbound coastwise shipping lane just north of the Los Angeles/Long Beach port complex. With regard to vessel traffic, potential effects of implementing Alternative 1 would be comparable to those of the proposed Project IPA.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.2.2.11 Hazards and Hazardous Materials

Like the proposed Project IPA, Alternative 1 would not require the transport, use or disposal of hazardous materials, and there would be no reasonably foreseeable upset or accident condition involving the release of hazardous materials into the environment. While the MPA network proposed under Alternative 1 would be larger than that proposed under the proposed Project IPA, the proposed regulatory changes would not prohibit vessel transit through MPAs, and any emergency-related plans calling for sea evacuations or other marine components could be implemented without interference.

There are areas within the Southern California Bight that have been identified as having contaminated sediments (on lists compiled pursuant to Government Code Section 65962.5); however, because it does not involve any construction activities at these (or other) locations, Alternative 1 would not create a significant hazard, or result in substantial adverse effects, to the public or the environment. With respect to hazards and hazardous materials, potential effects of implementing Alternative 1 would be similar to those of the proposed Project IPA.

10.2.2.12 Environmental Justice

Like the proposed Project IPA, Alternative 1 would have the potential to affect commercial and recreational fishing patterns, and to displace existing fishing effort to locations outside the proposed MPAs. Because the MPAs proposed under Alternative 1 would be scattered throughout the SCSR, and because coastal areas adjacent to the SCSR are heavily urbanized and provide excellent mass transit and coastal access opportunities, it is not likely that the MPA network proposed under this alternative would result in disproportionate impacts on minority or low-income populations. Any effects of this nature would be similar to those of the proposed Project.

10.2.2.13 Alternative 1 Summary

Alternative 1 would meet the project objectives presented in Section 3.2 of this Draft EIR. This alternative would result in slightly greater impacts than the proposed Project relative to air quality and GHG emissions, because slightly greater displacement of existing fishing effort would occur. Other impacts of this alternative would be substantially similar to those of the proposed Project.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.3 ALTERNATIVE 2

Under Alternative 2 the existing MPA regulations at 14 CCR 632(b) would be modified, altering the boundaries, designations, and conditions governing the MPA network within the SCSR. A numerical summary of the changes in protected area that would occur under this alternative are presented in Table 10.3-1. The regulatory changes proposed under Alternative 2 would decrease the number of MPAs within the SCSR from 42 to 37, but would increase the geographic area protected from approximately 182 square miles to approximately 342 square miles. (These changes include the 13 existing MPAs surrounding the Channel Islands that would be retained without modification). The 8 existing SMPs previously designated by the Commission within the SCSR would not be retained under this alternative, and would be either removed or redesignated to other MPA classifications.

**TABLE 10.3-1
SUMMARY OF AREAS PROTECTED UNDER ALTERNATIVE 2²**

Type of MPA or Restricted Area ¹	Number of Existing MPAs	Number of MPAs Under Alternative 2	Area of Existing MPAs (sq mi)	Area of MPAs under Alternative 2 (sq mi) ²	Net Change In MPA Area (sq mi)
State Marine Reserve (SMR)	15	25	161.0	282.77	+121.77
State Marine Conservation Area (SMCA)	19	12	17.95	58.82	+40.87
State Marine Park (SMP)	8	0	2.68	0.00	-2.68
All MPAs in final configuration	42	37	181.66	341.59	+159.96

Sources: Department 2010 and Department 2009.

Note:

¹ Type of MPA refers to the type of designation as classified by Section 36710 of the California Public Resources Code.

² Data includes all MPAs within the SCSR, including those surrounding the northern Channel Islands.

10.3.1 Description of Regulations under Alternative 2

The changes to existing MPA boundaries, as well as allowed and prohibited uses, proposed under Alternative 2 are described below.

10.3.1.1 Point Conception SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This is a newly proposed SMR. This SMR has a depth range of 0 to 489 feet, an area of 26.11 square miles, and an alongshore span of 6.2 miles. Boundaries of the proposed SMR are shown graphically on Figure 10-11 and on detailed figures provided in Appendix A.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 2 are not to and will not regulate military activities. Additionally, incidental take of fouling organisms associated with the normal cleaning and maintenance of mooring facilities or within this area is intended to be allowed.

10.3.1.2 Refugio SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that has been proposed for removal. For a description of this existing SMCA, refer to the discussion of the No Project alternative in Section 10.1.1.1 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only the recreational take of certain marine invertebrates, in addition to the commercial take of finfish, some marine invertebrates, and algae (except giant kelp and bull kelp) (14 CCR 632(b)(74)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.3.1.3 Campus Point SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This is a newly proposed SMR. This SMR has a depth range of 0 to 748 feet, an area of 10.36 square miles, and an alongshore span of 2.9 miles. Boundaries of this proposed SMR are depicted graphically on Figure 10-11 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 2 are to allow incidental take related to the normal maintenance and cleaning of marine fouling organisms from, or normal operation of any included existing hydrocarbon mining infrastructure as currently placed.

10.3.1.4 Goleta Slough SMR

Classification: Proposed Replacement.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: The existing 0.25 square mile Goleta Slough SMP will be eliminated and replaced by a coterminous SMR of the same name. Boundaries of this proposed SMR are depicted graphically on Figure 10-11 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing recreational hook and line take of species other than marine aquatic plants (14 CCR 632(b)(75)(B)) would be removed, and the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 2 are to allow all activities as required under other law, wetland restoration activities, maintenance of adequate water circulation, required maintenance of existing infrastructure including bridges and pipelines, express intention for support of the issuance of permits as required to allow limited collecting for the purposes of education and research, express intent for the issuance of permits required to conduct small scale experimental manipulation for the purpose of scientific research, express intent not to increase the level of risk of liability otherwise inherent to the operation of the encircled Santa Barbara Airport facility or Goleta Sanitary District POTW.

10.3.1.5 Big Sycamore Canyon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2 this existing SMR would be removed. For a description of this existing MPA, including boundaries and take regulations, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.3 of this Draft EIR.

Proposed Modification of Take Regulations: The existing regulation prohibiting take of all living marine resources (14 CCR 632(b)(90)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Existing regulations at 14 CCR 632(b)(90)(C) through (J) limiting swimming, boating, firearms, public entry, pesticides, litter, use of aircraft, and pets would be lifted.

10.3.1.6 Point Dume SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: This is a newly proposed SMCA which would have a depth range of 0 to 2,023 feet, an area of 19.96 square miles, and an alongshore span of 5.3

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

miles. Boundaries of this proposed SMCA are depicted graphically on Figure 10-12 and 10-13 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, take of living marine resources would be limited to recreational take of pelagic finfish by spearfishing; white sea bass by spearfishing; coastal pelagic finfish by dip net; Humboldt squid by hook and line; and market squid by dip net and commercial take of Pacific bonito by round haul and net; coastal pelagic finfish by round haul net; coastal pelagic finfish by dip net; Humboldt squid by hook and line; market squid by round haul net; market squid by dip net; and swordfish by harpoon.

Proposed Modification of Other Regulated Activities: None.

10.3.1.7 Point Vicente SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This is a newly proposed SMR, which would have a depth range of 0 to 2,640 feet. The area overlaps an EPA superfund study area.

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: It is the intention of the SCRSG Work Group 2 to allow collection for monitoring wastewater discharge. Additionally, activities related to the EPA superfund site should continue in this area with valid permits.

10.3.1.8 Abalone Cove SMP and SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The boundaries of the existing Abalone Cove SMP would be expanded, the SMP would be reclassified as an SMCA. This SMCA would have a depth range of 0 to 2181 feet, an area of 4.75 square miles, and an alongshore span running 1.2 miles. Boundaries of this proposed SMCA are depicted graphically on Figure 10-13 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only the recreational take of finfish by hook and line or spear (14 CCR 632(b)(92)(B)) would be removed, and the take of all living marine resources would be prohibited with the exception of recreational take of pelagic finfish by spearfishing; Pacific bonito by spearfishing; white sea bass by spearfishing; coastal pelagic finfish by dip net; jumbo squid by hook and line; and market squid by dip net and commercial take of Pacific bonito by pelagic round haul nets; coastal pelagic finfish by pelagic round haul nets; coastal

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

pelagic finfish by dip net; jumbo squid by hook and line; market squid by pelagic round haul nets; market squid by dip net; and swordfish by harpoon.

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to allow collection for monitoring wastewater discharge. Additionally, activities related to the EPA superfund site should continue in this area with valid permits.

10.3.1.9 Point Fermin SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: This existing Point Fermin SMR would be removed under Alternative 2. For a description of this existing MPA, including boundaries and take regulations, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.5 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations allowing only recreational take of lobster and some species of finfish and pelagic finfish by hook and line or by spearfishing gear would be lifted (14 CCR 632(b)(93)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.10 Bolsa Chica SMP and Bolsa Chica SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The boundaries of the existing Bolsa Chica SMP will expand as the proposed Bolsa Chica SMCA replaces the existing Bolsa Chica SMP. This proposed SMCA has an area of 0.72 square mile. Boundaries of this proposed SMCA are depicted graphically on Figure 10-13 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, the currently allowed recreational take of any species except marine aquatic plants from designated areas around outer Bolsa Bay by hook and line (14 CCR 632(b)(94)(B)) would be disallowed, and the recreational take of shore fishing (any target) by hook and line would be allowed.

Proposed Modification of Other Regulated Activities: The SCRSG Work Group 2 recognizes this estuary has undergone extensive and continuing remediation. Therefore, it is their intent that these activities should be allowed to continue with appropriate permitting.

10.3.1.11 Arrow Point to Lion Head Point Invertebrate Area (Special Closure)

Classification: Proposed Removal.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Boundaries: This existing SCA is proposed for removal under Alternative 2. For a description of this existing SCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.7 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting recreational take of invertebrates would be lifted (14 CCR 632(b)(95)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.12 Catalina Marine Science Center SMR and Blue Cavern (Catalina Island) SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 2, the proposed Blue Cavern SMR would replace the existing Catalina Marine Science Center SMR. The proposed Blue Cavern SMR has a depth range of 0 to 691 feet, an area of 1.34 square miles, and an alongshore span of 2.3 miles. Boundaries of this proposed SMR are depicted graphically on Figure 10-14 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: No change in take regulation is proposed; existing regulations prohibiting take of all living marine resources would be retained (14 CCR 632(b)(96)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.13 Bird Rock (Catalina Island) SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Bird Rock SMCA is a newly proposed MPA with a depth range of 75 to 2,616 feet, an area of 8.97 square miles, and an alongshore span of 2.3 miles. Boundaries of this proposed SMCA are depicted graphically on Figure 10-14 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, take of living marine resources would be limited to recreational take of pelagic finfish by hook and line; pelagic finfish by spearfishing; white sea bass by spearfishing; coastal pelagic finfish by dip net; Humboldt squid by hook and line; and market squid by dip net and commercial take of pelagic finfish by hook and line; coastal pelagic finfish by dip net; Humboldt squid by hook and line; market squid by dip net; and swordfish by harpoon.

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.3.1.14 Casino Point (Catalina Island) SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This is a newly proposed SMR with a depth range of 0-73 feet, an area of 0.01 square mile, and an alongshore span of 0.1 mile. Boundaries of this proposed SMR are depicted graphically on Figure 10-14 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: None.

10.3.1.15 Lover's Cove SMCA

Classification: Proposed Expansion.

Proposed Modification of Boundaries: The boundaries of the existing Lover's Cove SMCA would be expanded to the north, east, and west, and the SMCA's shape would be simplified. The expanded Lover's Cove SMCA has a depth range of 0 to 188 feet, an area of 0.06 square mile, and an alongshore span of 0.4 mile. Boundaries of this proposed SMCA are depicted graphically on Figure 10-14 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only commercial take of finfish and kelp (14 CCR 632(b)(98)(B)) would be removed, and only recreational pier fishing (any target) by hook and line would be allowed.

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to prohibit anchoring within the MPA.

10.3.1.16 Farnsworth (Catalina Island) SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The existing Farnsworth Bank SMCA has been replaced by the proposed Farnsworth SMCA. This offshore MPA has a depth range of 125 to 3,499 feet and an area of 10.18 square miles. Boundaries of the proposed Farnsworth SMCA extend from the island to the offshore extent of state jurisdiction, as shown on Figure 10-14 and on detailed figures provided in Appendix A. The proposed boundaries would protect endangered intertidal black abalone and subtidal white abalone habitat.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting the take of purple coral, but allowing take of other marine resources (14 CCR

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

632(b)(97)(B)) would be removed, and take of living marine resources would be limited to recreational take of pelagic finfish by hook and line or spearfishing; white sea bass by hook and line or spearfishing; coastal pelagic finfish by dip net; Humboldt squid by hook and line; and market squid by dip net and commercial take of pelagic finfish by hook and line or pelagic round haul nets; white sea bass by hook and line; coastal pelagic finfish by pelagic round haul nets or dip net; Humboldt squid by hook and line; market squid by pelagic round haul nets or by dip net; and swordfish by harpoon.

Proposed Modification of Other Regulated Activities: None.

10.3.1.17 Begg Rock SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The proposed Begg Rock SMR would be established with the same boundaries and regulations as proposed in the IPA for this location. The proposed Begg Rock SMR has a depth range of 219 to 374 feet, an area of 37.96 square miles, and an alongshore span of 6.9 miles.

Proposed Modification of Take Regulations: Under Alternative 2, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: It is not the intent of the SCRSG Work Group 2 to have this SMR regulate military activities. The work group recommends that Department and US Department of Defense should coordinate regulatory language similar to Vandenberg SMR.

10.3.1.18 Upper Newport Bay SMP and SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The proposed Upper Newport Bay SMCA would subsume the exiting Upper Newport Bay SMP, and would extend the southern boundary approximately one-quarter mile to the Pacific Coast Highway. The proposed SMCA has an area of 1.28 square miles. Boundaries of this proposed SMR are depicted graphically on Figure 10-15 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting take of all living marine resources except recreational hook and line take of species other than kelp (14 CCR 632(b)(99)(B)) would be removed, and take of all living marine resources except recreational shore fishing by hook and line; and finfish by hook and line would become prohibited.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to continue restrictions regarding: swimming areas, boat speed, shoreline access and access fees. Additionally, routine maintenance, dredging, monitoring, research and education, and habitat restoration would be allowed to continue.

10.3.1.19 Robert E. Badham SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This existing SMCA would be subsumed into the Laguna North SMCA, described below in Section 10.3.1.21 of this Draft EIR. For a description of the existing Robert E. Badham SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.12 of this Draft EIR.

Proposed Modification of Take Regulations: The existing regulations limiting take of all living marine resources except the recreational take of lobster, and select species pelagic finfish and finfish, which shall be taken by hook and line or by spearfishing gear only, and the commercial take of spiny lobster (14 CCR 632(b)(100)(B)) would be lifted, and take regulations for the Laguna North SMCA would apply to this area (see Section 10.3.1.21 below).

Proposed Modification of Other Regulated Activities: None.

10.3.1.20 Crystal Cove SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, this existing SMCA would be subsumed into the Laguna North SMCA, described below in Section 10.3.1.21 of this Draft EIR. For a description of the existing Crystal Cove SMCA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.13 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources except the recreational take of certain invertebrates and finfish and commercial take of finfish, certain invertebrates, and algae (except giant kelp and bull kelp) would be lifted (14 CCR 632(b)(101)(B)), and take regulations for the Laguna North SMCA would apply to this area (see Section 10.3.1.21 below).

Proposed Modification of Other Regulated Activities: None.

10.3.1.21 Laguna North SMCA

Classification: Proposed Addition.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: The boundaries of the existing Robert E. Badham SMCA and Crystal Cove SMCA would expand to create this proposed SMCA. This proposed SMCA is located adjacent to the proposed Laguna SMR to the northwest and creates a continuous line of MPAs up the coast. The proposed SMCA has a depth range of 0 to 125 feet, an area of 2.23 square miles, and an alongshore span running 4.8 miles. Boundaries of the proposed Laguna North SMCA are depicted graphically on Figure 10-15 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under alternative 2, existing regulations governing take within the Robert E. Badham SMCA (see Section 10.1.1.12, above) and the Crystal Cove SMCA (see Section 10.1.1.13, above) would be replaced by regulations allowing only recreational take of lobster by hoop net or by hand; rock crab by hoop net; finfish by hook and line or by spearfishing and commercial take of sea cucumber by diving; lobster by trap; urchin by diving; rock crab by trap; and finfish by hook and line.

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to limit trampling of inter-tidal species.

10.3.1.22 Irvine Coast SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: The existing Irvine Coast SMCA would be replaced by the proposed Laguna North SMCA. For a description of the Irvine Coast SMCA refer to the No Project alternative (existing MPAs) in Section 10.1.1.14.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources except the recreational take of lobster and selected species of pelagic finfish and finfish, finfish taken by hook and line or by spearfishing gear only, and the commercial take of spiny lobster (14 CCR 632(b)(102)(B)) would be eliminated, and take regulations for the Laguna North SMCA would apply to this area (see Section 10.3.1.21 above).

Proposed Modification of Other Regulated Activities: None.

10.3.1.23 Heisler Park SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: The existing Heisler Park SMR would be eliminated and replaced by the proposed Laguna SMR. For a description of this MPA refer to the No Project alternative (existing MPAs) in Section 10.1.1.15.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources will be eliminated (14 CCR 632(b)(104)(B)).

Proposed Modification of Other Regulated Activities: Existing regulations would be eliminated stating that boats may be launched and retrieved only in designated areas and may be anchored within the reserve only during daylight hours (14 CCR 632(b)(104)(C)).

10.3.1.24 Laguna SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 2, the newly proposed Laguna SMR would subsume a portion of the existing Laguna Beach SMCA and the entire Heisler Park SMR. The proposed Laguna SMR has an area of 9.18 square miles, and an alongshore span running 2.58 miles. Depths within the MPA would range from 0 to 1,801 feet. For a description of the existing Laguna SMCA and Heisler Park SMR, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.15 and Section 10.1.1.16.

Take Regulations: Proposed regulations would prohibit the take of all living marine resources.

Proposed Modification of Other Regulated Activities: It is the intent of workgroup 2 to allow permitted wastewater activities to continue in the Aliso Creek area.

10.3.1.25 Laguna Beach SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The Laguna Beach SMCA would be eliminated and replaced by the proposed Laguna South SMCA. For a description of the existing Laguna Beach SMCA, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.16.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources except the recreational take of lobster and selected species of pelagic finfish and finfish (14 CCR 632(b)(103)(B)) would be eliminated and take regulations for the Laguna South SMCA would apply to this area (see Section 10.3.1.29 below).

Proposed Modification of Other Regulated Activities: None.

10.3.1.26 South Laguna Beach SMCA

Classification: Proposed Replacement.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: Existing boundaries would be eliminated as the existing SMCA is replaced by the proposed South Laguna SMCA. For a description of this existing MPA refer to the No Project alternative (existing MPAs) in Section 10.1.1.17.

Proposed Modification of Take Regulations: Existing regulations would be altered to reduce the number of living marine resources that may be taken recreationally and increase the number of living marine resources that may be taken commercially. Refer to Section 10.3.1.30 below for a description of the new take regulations under the proposed Laguna South SMCA. Existing regulations prohibiting take of all living marine resources except the recreational take of lobster and selected species of pelagic finfish and finfish would be eliminated. Additionally, take of finfish would be permitted by hook and line or spearfishing gear only. The commercial take of spiny lobster would also be allowed.

Proposed Modification of Other Regulated Activities: None.

10.3.1.27 Niguel SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The existing Niguel SMCA would be subsumed into the proposed Laguna South SMCA. For a description of this existing SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.18.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources with the exception of recreational take of lobster and selected species of pelagic finfish and finfish would be eliminated (14 CCR 632(b)(106)(B)), and take regulations for the Laguna South SMCA would apply to this area (see Section 10.3.1.29 below).

Proposed Modification of Other Regulated Activities: None.

10.3.1.28 Dana Point SMCA

Classification: Proposed Replacement

Proposed Modification of Boundaries: The existing Dana Point SMCA would be subsumed into the proposed Laguna South SMCA. For a description of the existing Dana Point SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.19.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources with the exception of recreational take of lobster and selected species of pelagic finfish and finfish below the mean lower low-water mark would be lifted, as would existing regulations allowing finfish to be taken by hook and line or by spearfishing gear

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

only (14 CCR 632(b)(107)(B)). Take regulations for the Laguna South SMCA would apply to this area (see Section 10.3.1.29 below).

Proposed Modification of Other Regulated Activities: Existing regulations regarding take and impact in the intertidal zone, scientific collection, and allowed management activities (14 CCR 632 (b) (107) (C-G)) would be lifted.

10.3.1.29 Laguna South SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: As described above, the proposed Laguna South SMCA would subsume and replace the following existing SCMAs: Laguna Beach, South Laguna Beach, Dana Point, and Niguel. The proposed SCMA is located adjacent to the southern boundary of the proposed Laguna SMR, and would extend southeast alongshore down to Dana Point. The proposed SCMA has a depth range of 0 to 58 feet, an area of 1.43 square miles, and an alongshore span running 8.46 miles. Boundaries for the proposed Laguna South SMCA are depicted graphically on Figure 10-15 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, regulations would allow only recreational take of lobster by hoop net, lobster by hand, rock crab by hoop net, finfish by hook and line, and finfish by spear fishing; and commercial take of sea cucumber by diving, lobster by trap, urchin by diving, rock crab by trap, and finfish by hook and line.

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to allow local agencies to limit terrestrial access to prevent trampling of inter-tidal species.

10.3.1.30 Doheny SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Doheny SMCA would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.20 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting take of all living marine resources with the exception of recreational take of certain invertebrates and finfish (14 CCR 632(b)(109)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.3.1.31 Doheny Beach SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Doheny Beach SMCA would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.21 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only recreational take of lobster and selected species of pelagic finfish and finfish would be eliminated (14 CCR 632(b)(108)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.32 Agua Hedionda Lagoon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Agua Hedionda Lagoon SMR would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.22 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting take of all living marine resources (14 CCR 632(b)(111)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Other restrictions pertaining to management activities for fish and wildlife, flood control and vector control, as well as authorized operation and maintenance activities (14 CCR 632(b)(111)(C)) would be lifted.

10.3.1.33 Batiquitos Lagoon SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Batiquitos Lagoon SMR would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.23 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting all take of living marine resources within the Batiquitos Lagoon SMR would be lifted (14 CCR 632(b)(112)(B)).

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.3.1.34 Encinitas SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Encinitas SMCA will be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.24 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting all take of living marine resources within the Batiquitos Lagoon SMR would be lifted (CCR 632(b)(114)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.35 Cardiff-San Elijo SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 2, the existing Cardiff-San Elijo SMCA would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.25 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting all take of living marine resources except for the recreational take of finfish, chiones, clams, cockles, rock scallops, native oysters, crabs, lobster, ghost shrimp, sea urchins, mussels and marine worms; and commercial take; within the Cardiff-San Elijo SMCA would be lifted (14 CCR 632(b)(114)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.36 Del Mar SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The newly-proposed Del Mar SMR is located offshore, south of the City of Encinitas, and would extend offshore to the state jurisdictional line. This proposed SMR has a depth range of 0 to 1,057 feet, an area of 12.78 square miles, and an alongshore span running 3.61 miles. Boundaries of this proposed MPA are shown on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would be prohibited.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to allow activities regarding beach replenishment, dredging, and lagoon restoration to continue, as they are important activities in the area. The SCRSG believes the City of Del Mar should be able to continue beach replenishment and dredging activities in the same locations and periodicity that they have been for years. Restoration projects such as the North park restoration project should be allowed to continue with appropriate permitting.

10.3.1.37 San Elijo Lagoon SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: The existing San Elijo Lagoon SMP would be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.26 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting all take of living marine resources except recreational take of finfish by hook and line from shore within the San Elijo SMP would be lifted (14 CCR 632(b)(115)(B)).

Proposed Modification of Other Regulated Activities: Under Alternative 2, existing regulations prohibiting boating, swimming, wading, and diving within the park would be lifted. Additionally, regulations allowing San Diego County, after consultation with the department, to carry out management activities for fish and wildlife management, flood control, vector control and regional park recreational activities would be lifted.

10.3.1.38 San Dieguito Lagoon SMP and SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The existing San Dieguito SMP would be expanded and redesignated as an SMR of the same name. The proposed SMR has an area of 0.52 square mile, and is comprised mainly of estuarine habitat. Boundaries of the proposed MPA are illustrated on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only recreational take of finfish by hook and line from shore and from the Grand Avenue bridge (14 CCR 632(b)(116)(B)) would be removed, and the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 2 are to maintain existing regulations regarding boating, swimming, wading, and diving. The designation is not intended to restrict restoration and/or associated dredging

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

activity. Dredging is required as part of the ongoing restoration managed by Southern California Edison as a mitigation project.

10.3.1.39 San Diego-Scripps SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: The existing San Diego-Scripps SMCA will be removed from the MPA regulations. For a description of this existing MPA, refer to the discussion of the No Project alternative in Section 10.1.1.28 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations prohibiting all take of living marine resources except for the commercial and recreational take of finfish and take for scientific purposes would be lifted (14 CCR 632(b)(117)(B)).

Proposed Modification of Other Regulated Activities: None.

10.3.1.40 La Jolla SMCA and La Jolla SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 2, the existing La Jolla SMCA would be replaced by the proposed La Jolla SMR, but no boundary change would occur. The proposed La Jolla SMR has a depth range of 0 to 214 feet, an area of 0.77 square mile, and an alongshore span of 1.1 miles. The boundaries of the La Jolla Cove SMR are depicted graphically on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only the commercial take of squid for bait (14 CCR 632(b)(118)(B)) would be removed, and the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: It is the intention of the SCRSG Work Group 2 to maintain existing regulations regarding boat launching, retrieval, and anchoring within designated areas during daylight hours.

10.3.1.41 Famosa Slough SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The newly-proposed Famosa Slough SMR has an area of 0.03 square mile. The proposed boundaries are shown on Figure 10-16 and on detailed figures provided in Appendix A.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: It is the intention of the SCRSG Work Group 2, to allow future restoration activities to continue with appropriate permitting. All activities as required under other laws, wetland restoration activities, maintenance of adequate water circulation, express intention for support of the issuance of permits as required to allow limited collecting for the purposes of education and research, express intent for the issuance of permits required to conduct small scale experimental manipulation for the purpose of scientific research.

10.3.1.42 Ocean Beach Pier SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The newly-proposed Ocean Beach Pier SMCA is located adjacent to the northern boundary of the proposed Ocean Beach SMR, and contains the Ocean Beach Pier. The proposed SMCA has a depth range of 0 to 28 feet, an area of 0.15 square mile, and an alongshore span of 0.2 miles under this alternative. Boundaries of the Ocean Beach Pier SMCA are shown on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, only recreational pier fishing (any target) by hook and line, hoop net, or by dip net would be allowed; all other take of living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.3.1.43 Sunset Cliffs SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The newly-proposed Sunset Cliffs SMR is located offshore near San Diego, adjacent to the proposed Ocean Beach Pier SMCA, and extends west to the offshore limits of state jurisdictional. The proposed SMR has a depth range of 0 to 336 feet, an area of 9.27 square miles, and an alongshore span running 2.6 miles. The boundaries for the newly proposed Sunset Cliffs SMR are depicted on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, the take of all living marine resources would become prohibited.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to maintain regulations regarding U.S. Department of Defense training exercises for national defense, such as acoustic monitoring.

10.3.1.44 Cabrillo SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: The existing Mia J. Tegner SMCA would be expanded and replaced by the proposed Cabrillo SMR. The proposed SMR has a depth range of 0 to 30 feet, an area of 0.38 square mile, and an alongshore span running 1.3 miles. Boundaries of the proposed MPA are shown on Figure 10-16 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 2, existing regulations allowing only recreational take of finfish and commercial take of finfish and marine aquatic plants (14 CCR 632(b)(119)(B)) would be removed, and the take of all living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: It is the intent of the SCRSG Work Group 2 to have terrestrial access times and places posted by signage and enforced by local national park rangers.

10.3.2 Environmental Impacts of Alternative 2

As described above, under Alternative 2 existing MPA regulations would be modified, altering the boundaries, designations, and conditions governing the MPA network within the SCSR. This alternative would increase the area of MPAs and designate more protective regulations for those MPAs than currently exist in the Project area. The geographic area protected from would increase from approximately 182 square miles under existing conditions (Alternative 0) to approximately 342 square miles under Alternative 2. This alternative would protect 9.01 fewer square miles than the proposed Project IPA.

10.3.2.1 Consumable Living Marine Resource Products

Similar to the proposed Project IPA, Alternative 2 would result in substantial expansion of the areas designated as MPAs within the SCSR. In locations where new or expanded MPAs would overlap existing fishing grounds or areas used for aquaculture, the take and use restrictions of the newly-imposed MPAs would apply, and inconsistent consumptive uses would be displaced from the MPAs. Displacement of consumptive uses would not affect all fisheries equally, due to variation in the abundance and spatial distribution of marine resources. According to a report published by EcoTrust (Scholz et al. 2010), the red sea urchin fishery near Oceanside would be disproportionately affected under Alternative 2, with

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

effects on the stated value of total fishing grounds estimated at 38.7 percent. Displacement of Oceanside's red urchin fishery would be greater under this alternative compared to the IPA; however, the proposed Project IPA would disproportionately affect the nearshore trap fishery at Dana Point, which Alternative 2 would not.

10.3.2.2 Air Quality

Like the proposed Project IPA, the primary source of operational emissions from this alternative would be from a change in marine vessel transit distances above the current practices due to displacement from MPAs. Because the regulatory changes proposed under Alternative 2 would result in an MPA network that would protect approximately nine square miles less than the proposed Project IPA, it is reasonable to assume that a concomitant decrease in distance travelled by displaced fishing vessels would occur. Based on this, air pollutant emissions of Alternative 2 are expected to be very slightly less than those of the proposed Project IPA.

10.3.2.3 Global Climate Change and Greenhouse Gas Emissions

Because GHG emissions associated with Alternative 2 would pertain solely to mobile source emissions associated with vessel traffic patterns, GHG emissions under this alternative would be closely correlated with emissions of other air pollutants, discussed in Section 10.3.2.2 above. Effects of Alternative 2 on GHG emissions would be slightly less than those of the proposed Project.

10.3.2.4 Water Quality

Similar to the project IPA, under Alternative 2 existing facilities, and ongoing research and monitoring in the proposed MPAs would be allowed to continue pursuant to any required federal, state and local permits. Although not a primary criterion for MPA designation, guidance during the SCRSG MPA design process considered areas of known water contamination. However, based on a review of the Marine Map Decision Support Tool (Marine Map 2010), several of the MPAs proposed under Alternative 2 would encompass existing offshore wastewater and stormwater discharge locations. These include the Blue Cavern SMR (minor wastewater discharge), and the Del Mar SMR and Sunset Cliffs SMR (stormwater discharges). Should the Commission elect to adopt this alternative, the proposed regulations would be fine-tuned to ensure compatibility with these existing uses permitted by other agencies. In some cases, this could require designating an MPA as an SMCA rather than an SMR. Expansion of the existing MPA network would be consistent with the RWQCB basin plans for the study area, and would not conflict with existing water quality standards or regulatory requirements.

Alternative 2 could increase the potential for accidental release of pollutants such as oils and fuels and other hazardous materials into the water due to increased transit time or risk of

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

accidents from overcrowding, as well as opening new areas where MPA designations have been removed. Similar to the proposed Project, potential shifts in non-consumptive uses with the implementation of Alternative 2 could have a minor localized effect on water quality but would be expected to be minimal. When measured against the CEQA criteria for water quality, potential effects of implementing Alternative 2 would be comparable to those of the proposed Project IPA.

10.3.2.5 Mineral Resources

The new and expanded MPAs proposed under Alternative 2 are not located over existing oil and gas production facilities, salt producing facilities, beach nourishment areas, or geothermal resource areas. There are no known solid mineral resources or active sand and gravel mining operations within the SCSR. Current federal and state moratoria do not permit issuance of new offshore oil and gas leases. Existing oil and natural gas pipelines are located adjacent to the Bolsa Chica SMCA/SMR near Huntington Beach (CDC 2000). If Alternative 2 were to be adopted, the proposed regulations would be revisited to ensure that the language allows for continuation of these existing uses permitted by other agencies. Because the proposed MPAs would not regulate existing mineral resource exploration and extraction activities, there would be no impact to the availability of known resources under this alternative. Potential effects on mineral resources of implementing Alternative 2 would be comparable to those of the proposed Project IPA.

10.3.2.6 Biological Resources

Like the proposed Project IPA, Alternative 2 was developed in an effort to meet the goals of the MLPA and improve the state's existing system of MPAs. Because the protection and enhancement of marine ecosystems and habitats is a central objective of the MLPA, this alternative would be expected to benefit biological resources in the long term. Removal of a human predator is not anticipated to impact species and habitats inside MPAs created or expanded by Alternative 2; instead, it is expected that the proposed MPAs will result in the return of naturally balanced ecosystems. However, in the short-term, Alternative 2 could potentially result in adverse localized impacts on biological resources located at edges of MPAs, or within existing MPAs that would be removed under this alternative. Generally, these impacts would also occur under the proposed Project IPA. The existing Big Sycamore Canyon SMR, which contains the marine receiving waters of Big Sycamore Creek, a known historical steelhead creek, would be removed under this alternative, but would also be removed under the IPA. Long-term benefits to biological resources resulting from Alternative 2 would be slightly lesser than those of the proposed Project, as this alternative would preserve slightly less marine habitat within MPAs.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.3.2.7 Cultural Resources

Neither Alternative 2 nor the proposed Project IPA would result in direct physical alteration of the ocean floor or the bottom of relevant bays or estuaries, and therefore would not directly disturb any resources present, whether they be recorded, known but unrecorded, or yet unknown. Both Alternative 2 and the proposed Project IPA would remove many of the same MPAs; removal of MPAs would not result in potential impacts to cultural resources because many of the MPAs that would be removed currently allow boating, diving, and associated anchoring, so removing the MPAs would not result in a substantial change in conditions. Potential adverse impacts of Alternative 2 on cultural resources, if any, would be equivalent to those of the proposed Project IPA.

10.3.2.8 Public Services and Utilities

Alternative 2 would not increase the need for public utilities or services significantly. The minor adjustments to the size and location of the proposed MPAs would not create a substantial difference in impact to law enforcement resources beyond what is described for the proposed Project IPA, and would not impact the existing utilities. All of the proposed MPAs are outside of the intake and discharge locations for power generation facilities utilizing once-through ocean cooling systems and existing desalination facilities with ocean intake and discharge systems. Further, if this alternative were to be adopted by the Commission, the regulatory language would be revisited to ensure that existing activities under the permitting authority of other federal or state agencies, such as operations of intake and outfall pipes, would continue to be allowed under Alternative 2. The effects of Alternative 2 on public services and utilities, including law enforcement resources, would be similar to those of the proposed Project IPA.

10.3.2.9 Land Use and Recreational Resources

Like the proposed Project IPA, Alternative 2 would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative would not be expected to increase the use of existing parks or recreational facilities within the SCSR, or require the construction or expansion of recreational facilities. However, it is possible that adoption of this alternative could result in angling or fishing activity becoming concentrated at certain access points where parking or other facilities may be limited. The likelihood of this situation occurring would be based on a number of factors, including the existing use/capacity ratio for the facility and the net change in user density caused by revision of the MPA network. It is foreseeable that although consumptive users of the marine environment would be displaced from MPAs into open fishing grounds, certain non-consumptive users, such as divers, kayakers, and wildlife viewers, would offset this trend by preferentially using protected areas. With regard to land use and recreation, potential effects of implementing Alternative 2 would be similar to those of the proposed Project IPA.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.3.2.10 Vessel Traffic

Like the proposed Project IPA, Alternative 2 would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative is not expected to add vessel traffic to the SCSR. On a smaller scale, however, it is possible that changing use patterns in response to the proposed regulatory changes would result in elevated vessel traffic levels at some locations; increased vessel traffic concentrations from this alternative would be approximately similar to those expected from the proposed Project IPA, and would be minor. The proposed MPAs would not regulate or preclude vessel traffic; and existing traffic separation schemes, vessel traffic system monitoring, safety reviews and recommendations by Harbor Safety Committees, USCG enforcement, and other systems to ensure safe navigation and vessel operations would remain in place. Similar to the proposed Project IPA, one of the MPAs proposed under Alternative 2 (the Point Vicente SMR) abuts the northbound coastwise shipping lane just north of the Los Angeles/Long Beach port complex. With regard to vessel traffic, potential effects of implementing Alternative 2 would be comparable to those of the proposed Project IPA.

10.3.2.11 Hazards and Hazardous Materials

Like the proposed Project IPA, Alternative 2 would not require the transport, use or disposal of hazardous materials, and there would be no reasonably foreseeable upset or accident condition involving the release of hazardous materials into the environment. While the MPA network proposed under Alternative 1 would be larger than that proposed under the IPA, the proposed regulatory changes would not prohibit vessel transit through MPAs, and any emergency-related plans calling for sea evacuations or other marine components could be implemented without interference.

There are areas within the Southern California Bight that have been identified as having contaminated sediments (on lists compiled pursuant to Government Code Section 65962.5); however, because it would not involve any construction activities at these (or other) locations, Alternative 1 would not create a significant hazard, or result in substantial adverse effects, to the public or the environment. With respect to hazards and hazardous materials, potential effects of implementing Alternative 2 would be similar to those of the proposed Project IPA.

10.3.2.12 Environmental Justice

Like the proposed Project IPA, Alternative 2 would have the potential to affect commercial and recreational fishing patterns, and to displace existing fishing effort to locations outside the proposed MPAs. Because the MPAs proposed under Alternative 1 would be scattered throughout the SCSR, and because coastal areas adjacent to the SCSR are heavily urbanized and provide excellent mass transit and coastal access opportunities, it is not likely that the MPA network proposed under this alternative would result in disproportionate impacts on

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

minority or low-income populations. Any effects of this nature would be similar to those of the proposed Project.

10.3.2.13 Alternative 2 Summary

Alternative 2 would meet the Project objectives presented in Section 3.2 of this Draft EIR. This alternative would result in slightly less impact than the proposed Project relative to air quality, because less displacement of existing fishing effort would occur. Other impacts of this alternative would be substantially similar to those of the proposed Project.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.4 ALTERNATIVE 3

Under Alternative 3 the existing MPA regulations at 14 CCR 632(b) would be modified, altering the boundaries, designations, and conditions governing the MPA network within the SCSR. A numerical summary of the changes in protected area that would occur under this alternative are presented in Table 10.4-1. The regulatory changes proposed under Alternative 3 would expand the extent of marine areas protected from approximately 182 square miles under existing conditions to approximately 349 square miles (including the 13 existing MPAs surrounding the northern Channel Islands, which would be retained without modification under all alternatives considered in this Draft EIR). However, the number of discrete MPAs within the SCSR would decrease under this alternative, from an existing total of 42 to a revised total of 39. The 8 existing SMPs previously designated by the Commission within the SCSR would not be retained under this alternative, and would be either removed or redesignated to other MPA classifications.

**TABLE 10.4-1
SUMMARY OF AREAS PROTECTED UNDER ALTERNATIVE 3**

Type of MPA or Restricted Area ¹	Number of Existing MPAs ²	Number of MPAs Under Alternative 3	Area of Existing MPAs (sq mi)	Area of MPAs under Alternative 3 (sq mi)	Net Change In MPA Area (sq mi)
State Marine Reserve (SMR)	15	30	161.00	291.00	+130.00
State Marine Conservation Area (SMCA)	19	9	17.95	57.85	+39.90
State Marine Park (SMP)	8	0	2.68	0.00	-2.68
All MPAs in final configuration	42	39	181.66	348.92	+167.22

Sources: Department 2010 and Department 2009.

Note:

¹ Type of MPA refers to the type of designation as classified by Section 36710 of the California Public Resources Code.

² Data includes all MPAs within the SCSR, including those surrounding the northern Channel Islands.

Alternative 3 would also designate one area as a State Marine Recreational Management Area (SMRMA), a designation allowed pursuant to Section 36700(e) of the Public Resources Code for areas where restricting recreational opportunities may be necessary for the preservation of resource values. The restrictions imposed within a SMRMA are focused on recreational uses, and the MLPA (Section 2852(c)) does not include SMRMAs among the classifications considered to be MPAs. Thus, while a SMRMA would be designated under this alternative, that designation would not affect the extent of the MPA network. The SMRMA is also not included in the MPA summary statistics presented in this section. For more information related to the proposed SMRMA, refer to Section 10.4.1.8 of this Draft EIR.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.4.1 Description of Regulations under Alternative 3

The changes to existing MPA boundaries, as well as allowed and prohibited uses, proposed under Alternative 3 are described below.

10.4.1.1 Point Conception SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Point Conception SMR under Alternative 3 is proposed in an area of the coast with no existing MPA. This proposed SMR would extend due west from Point Conception, and approximately 5 miles east along the coast; the offshore boundary would be the limits of state jurisdiction. The proposed SMR is the largest MPA proposed under Alternative 3, encompassing a total area of 29.41 square miles and alongshore span of 7.48 miles. Depths within the MPA would range from 0 to 489 feet. Boundaries of the proposed SMR are depicted graphically on Figure 10-18.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

Implementation Notes: Designation is not intended to, and would not, regulate military activities. The work group recommends that the Department and U.S. Department of Defense should coordinate regulatory language similar to Vandenberg SMR.

10.4.1.2 Refugio SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This existing SMCA has been proposed for removal under Alternative 3. For a description of this existing SMCA, refer to the discussion of the No Project alternative in Section 10.1.1.1 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, existing take regulations prohibiting the recreational take of marine invertebrates and the commercial take of finfish, marine invertebrates, and algae (14 CCR 632(b)(74)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.4.1.3 Naples SMR

Classification: Proposed Addition.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The proposed Naples SMR is located along the Gaviota Coast, approximately 5 miles east of the existing Refugio SMCA that is proposed for removal under this Alternative. The proposed SMR would encompass an area of 2.57 square miles, and would run an alongshore span of 1.91 miles. Depths within the MPA range would range from 0 to 162 feet. Boundaries of the Naples SMR as proposed under Alternative 3 are presented graphically on Figure 10-18.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.4.1.4 UCSB SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The proposed UCSB SMR is located near the City of Goleta and the University of California, Santa Barbara (UCSB). The nearshore boundaries of this MPA would extend from the eastern edge of Santa Barbara Shores County Park, to Goleta Point, and the offshore boundary would travel to the offshore limits of state jurisdiction. The resulting area would be 10.42 square miles, and depths within the MPA would range from 0 to 748 feet. Boundaries of the proposed UCSB SMR are depicted graphically on Figure 10-18.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: The Alternative 3 designation is not intended to impede ongoing operation, maintenance, and monitoring associated with the UCSB Marine Science Institute seawater intake and outfall.

10.4.1.5 Goleta Slough SMP and Goleta Slough SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries would remain unmodified; under Alternative 3, the existing 0.25 square mile Goleta Slough SMP would be eliminated and redesignated as the Goleta Slough SMR. Boundaries of this proposed SMR are depicted graphically on Figure 10-18.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Other Regulated Activities: This designation is not intended to impede protection, restoration, maintenance management, scientific research, study activities including rivermouth opening, dune restoration, and dredge spoils deposition. Boating, swimming, wading and diving not related to the activities described above would be prohibited as well.

10.4.1.6 Mishopsno SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed Mishopsno SMCA is located approximately 1.5 miles south of Carpinteria Salt Marsh. The western boundary of the proposed SMCA originates from the east end of Carpinteria State Beach and travels southward to the offshore limits of state jurisdiction. The northern boundary of the MPA stretches along the coast approximately 8.25 miles, abutting Rincon Beach County Park and Rincon Point. From its southernmost coastal point, the MPA extends due west to the offshore limits of state jurisdiction (where it meets the western boundary). Depths within the MPA would range from 0 to 140 feet. Boundaries of this proposed SMCA are depicted graphically on Figures 10-18 and 10-19.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited, with allowances added for the commercial take of coastal pelagic finfish by pelagic round haul nets.

Proposed Modification of Other Regulated Activities: None.

10.4.1.7 Mugu Lagoon SMRMA

Classification: Proposed Addition.

Proposed Modification of Boundaries: As stated previously, SMRMAs are not among the designations considered to be MPAs under the MLPA. However, the Mugu Lagoon SMRMA is proposed under Alternative 3 because SMRMA designations may provide additional benefits to the protection already provided by the proposed MPA network. The proposed SMRMA would be located just west of Point Mugu State Park in Mugu Lagoon. The lagoon is within a Naval Air Weapons Station under Navy Control. The proposed SMRMA would have an area of 1.85 square miles. Boundaries of the proposed Mugu Lagoon SMRMA are depicted graphically on Figure 10-19.

Proposed Modification of Take Regulations: Under Alternative 3, all commercial and recreational take would be prohibited, except for currently allowed waterfowl hunting.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Other Regulated Activities: Alternative 3, as intended by the work group, would not impede activities pertaining to protection, restoration, maintenance management, scientific research, or operations of the U.S. military.

10.4.1.8 Big Sycamore Canyon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 3 this existing SMR would be removed. For a description of this existing MPA including boundaries and take regulations, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.3 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting take of all living marine resources (14 CCR 632(b)(90)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Under Alternative 3, existing regulations restricting swimming, boating, firearms, public entry, pesticides, litter, use of aircraft, and pets (14 CCR 632(b)(90)(C-L)) would be lifted.

10.4.1.9 Lachusa SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMCA has been proposed in an area of the SCSR with no existing MPA. The proposed Lachusa SMCA is located just south of the Los Angeles County line, southeast of Mugu Lagoon and near Point Dume. Bounded on the north by the Malibu coast, the western boundary originates just east of El Pescador State Beach and extends east 2.67 miles to the boundary of the proposed Point Dume SMR. The southern boundary of the SMCA stretches to the offshore limits of state jurisdiction, encompassing a total area of 14.06 square miles. The resulting SMCA would be adjacent to 2 state beaches – La Piedra and El Matador – and encompasses a depth range of 0 to 2,018 feet. Boundaries of this proposed SMCA are depicted graphically on Figures 10-19 and 10-20 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited, except for the recreational take of pelagic finfish by spearfishing; Pacific bonito by spearfishing; white sea bass by spearfishing; coastal pelagic finfish by dip net; market squid by dip net; or the commercial take of sword fish by harpoon.

Proposed Modification of Other Regulated Activities: None.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.4.1.10 Point Dume SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the coast with no existing MPA. Under Alternative 3, the Point Dume SMR would share the eastern boundary of the proposed Lachusa SMCA, extending eastward 5.41 miles to Paradise Cove. The offshore boundary would extend to the limits of state jurisdiction, encompassing a total of 11.28 square miles. Depths within the MPA would range from 0 to 2,023 feet. Boundaries of this proposed SMR are depicted graphically on Figure 10-19 and 10-20 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.4.1.11 Palos Verdes SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located adjacent to the Palos Verdes Peninsula: the northern boundary of the proposed SMR originates from Palos Verdes Point and travels diagonally (northwest) to the offshore limits of state jurisdiction; the southern boundary stretches due east from the offshore limits of state jurisdiction to Abalone Cove Shoreline Park. The area encompassed by this proposed SMR is 16.33 square miles, and depths within the MPA would range from 0 to 2,239 feet. Portions of the SMR overlay an EPA Superfund site. Boundaries of this proposed SMR are depicted graphically on Figure 10-20 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.4.1.12 Abalone Cove SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMP that has been proposed for elimination under Alternative 3. For a description of this existing MPA, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.4 of this Draft EIR.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources and the exception allowing recreational take of finfish by hook and line or spear (14 CCR 632(b)(92)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.4.1.13 Point Fermin SMP

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMP that has been proposed for elimination under Alternative 3. For a description of this existing MPA, refer to the description of the No Project alternative (existing MPAs) in Section 10.1.1.5 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting the take of all living marine resources would be lifted under Alternative 3. The existing allowances for limited recreational take of lobster and finfish by select methods (14 CCR 632(b)(93)(B)) would also be lifted.

Proposed Modification of Other Regulated Activities: None.

10.4.1.14 Bolsa Chica SMP and Bolsa Chica SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: This SMR would eliminate and replace the existing Bolsa Chica SMP located in the Bolsa Chica Ecological Reserve. The proposed Bolsa Chica SMR would greatly increase the area encompassed by the existing SMP, expanding it from 0.25 square mile to 0.72 square mile. Boundaries of the proposed SMR are depicted graphically on Figure 10-20 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting take except for recreational hook and line fishing for species other than marine aquatic plants, would be retained.

Proposed Modification of Other Regulated Activities: Under Alternative 3, activities pertaining to protection, restoration, maintenance or management, and scientific research would be allowed as needed. Boating, swimming, wading and diving not related to the above activities would be prohibited as well as restrictions regarding time of entry and accessible areas.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.4.1.15 Arrow Point to Lion Head Point Invertebrate Area (Special Closure)

Classification: Proposed Removal.

Proposed Modification of Boundaries: This existing SCA is proposed for removal under Alternative 3. For a description of this existing SCA refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.7 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting the recreational take of invertebrates would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.4.1.16 North Catalina SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located on the north coast of Santa Catalina Island. Originating from the northwest tip of the island at Land's End, the nearshore boundary travels east approximately 3.92 miles to the western boundary of the existing Arrow Point to Lion Head Special Closure; the offshore boundary extends to the offshore limits of state jurisdiction. The resulting SMR would encompass an area of 14.05 square miles, with depths ranging from 0 to 2,035 feet. Boundaries of this proposed SMR are depicted graphically on Figure 10-21 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.4.1.17 Catalina Marine Science Center (Catalina Island) SMR and Blue Cavern SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, the existing Catalina Marine Science Center SMR would be subsumed and replaced by the proposed Blue Cavern SMR. The area encompassed by the MPA would increase significantly, from 0.06 square mile to 1.85 square miles. The alongshore span would also increase from 0.8 miles to 2.26 miles, and the maximum depth would change from 111 feet to 854 feet. Boundaries of this proposed SMR are depicted graphically on Figure 10-21 and on detailed figures provided in Appendix A.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

Proposed Modification of Take Regulations: Take regulations would not be modified under Alternative 3. Existing regulations prohibiting take of all living marine resources would be retained and applied to the expanded area encompassed by the proposed MPA.

Proposed Modification of Other Regulated Activities: None.

10.4.1.18 Long Point (Catalina Island) SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: This SMR has been proposed in an area of the SCSR with no existing MPA. The proposed SMR is located on the eastern side of Santa Catalina Island, southeast of the proposed Blue Cavern SMCA. Under Alternative 3, the proposed SMR would have an area of 1.67 square miles and an alongshore span of 1.98 miles. Depths within the SMR would range from 0 to 749 feet. The boundaries of the proposed SMR are depicted graphically on Figure 10-21 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: None.

10.4.1.19 Lover's Cove SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This existing SMCA is proposed for removal under Alternative 3. For a description of this existing MPA, refer to the discussion of the No Project alternative (existing MPAs) in Section 10.1.1.10 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting take of all living marine resources with allowances for commercial take of finfish and kelp (14 CCR 632(b)(97)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: None.

10.4.1.20 Farnsworth Bank SMCA and Farnsworth SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, the boundaries of the existing Farnsworth Bank SMCA would be eliminated and replaced by the significantly larger proposed Farnsworth SMR. The proposed SMR would extend the boundaries of the existing

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

SMCA west to the offshore limits of state jurisdiction, and east to the coast of Santa Catalina Island. The southern boundary would also extend further – nearly 1.70 miles south – increasing the protected area from 1.68 square miles to 14.45 square miles. The alongshore span would also increase from 1.2 miles to 7.51 miles, and the maximum depth changes from 403 feet to 2,496 feet. Boundaries of this proposed SMR are depicted graphically on Figure 10-21 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources is prohibited.

Proposed Modification of Other Regulated Activities: Under Alternative 3, it would be recommended that permanent moorings be installed at Farnsworth Bank to facilitate safe non-consumptive visitation of this special pinnacle area while protecting the colonies of purple hydrocoral from anchor damage.

10.4.1.21 Upper Newport Bay SMP and Upper Newport Bay SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: No boundary modifications are proposed; the existing 1.10 square mile Upper Newport Bay SMP would be redesignated as an SMR with the same name. The boundaries of the existing SMP and the proposed SMCA are depicted graphically on Figures 10-20 and 10-22 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Under Alternative 3, existing restrictions on swimming areas, boat speed, shoreline access, and access fees (14 CCR 632(b)(99)(C-F)) would be retained, with allowances made for the continuance of activities related to protection, restoration, maintenance management, and scientific research.

10.4.1.22 Newport Coast SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: Boundaries would be expanded; the proposed Newport Coast SMCA would subsume the existing Robert E. Badham, Irvine Coast, and Crystal Cove SMCAs, expanding the area encompassed by MPAs from 2.17 square miles, to 2.37 square miles. The boundary of the proposed SMCA would originate from Corona Del Mar State Beach, and travel 2.37 miles south to Abalone Point. Depths with the MPA would range from 0 to 136 feet. Boundaries of this proposed SMR are depicted graphically on Figure 10-22 and on detailed figures provided in Appendix A.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Take Regulations: For a description of the existing take regulations for the MPAs to be replaced, please refer to the discussion of the No Project alternative in Section 10.1.1.12 through Section 10.1.1.14 of this Draft EIR. Under Alternative 3, commercial and recreational take of sheephead, rockfish, rays, sharks, marine plants and invertebrates, would be prohibited, except for the following allowances: recreational take of lobster and urchin; commercial take of lobster, including incidental catch taken under the authority of a lobster permit (Current allowed incidental catch includes crab other than Dungeness [FGC 8250.5], Kelleys' whelk, and octopus) and urchin. Also allowed under general regulations are the take of species not mentioned above and the take of all species when fishing from the Newport Jetty.

Proposed Modification of Other Regulated Activities: None.

10.4.1.23 Robert E. Badham SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Under Alternative 3, the existing Robert E. Badham SMCA would be subsumed by the proposed Newport Coast SMCA. For a description of the existing Robert E. Badham SMCA, refer to the No Project alternative (existing conditions) in Section 10.1.1.12 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become less restrictive, lifting existing regulations prohibiting take of all living marine resources and allowances for limited and recreational commercial take (14 CCR 632(b)(100)(B)). Refer to Section 10.4.1.22 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: None.

10.4.1.24 Irvine Coast SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Boundaries would be eliminated as the existing SMCA is subsumed by the proposed Newport Coast SMCA. For a description of this MPA refer Section 10.1.1.14 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become less restrictive, lifting existing regulations prohibiting take of all living marine resources and allowances for limited recreational and commercial take (14 CCR 632(b)(102)(B)). Refer to Section 10.4.1.22 above for changes in take regulations under Alternative 3.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Other Regulated Activities: None.

10.4.1.25 Crystal Cove SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: Boundaries would be eliminated as the existing SMCA is subsumed by the proposed Newport Coast SMCA. For a description of the existing Crystal Cove SMCA, refer to the discussion of the No Project alternative in Section 10.1.1.13 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become less restrictive, lifting existing regulations prohibiting take of all living marine resources and allowances for limited recreational and commercial take (14 CCR 632(b)(101)(B)). Refer to Section 10.4.1.22 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: None.

10.4.1.26 Laguna Beach SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: Boundaries would be expanded; the proposed Laguna Beach SMR would subsume the existing Heisler Park SMP, Laguna Beach SMCA and South Laguna Beach SMCA, significantly expanding the area encompassed by the existing MPAs. The proposed SMR would be located between the proposed Newport Coast SMCA and the proposed Dana Point SMCA, stretching 4.12 miles from Abalone Point through Mussel Cove. The most significant boundary change under Alternative 3 would be the extension of the offshore boundary, which would increase the maximum depth encompassed within the MPA from 41 feet to 1,635 feet. The existing area would increase from 0.86 square mile, to 15.16 square miles. Boundaries of the proposed Laguna Beach SMR under Alternative 3 are depicted graphically on Figure 10-22 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: The Alternative 3 designation is not meant to impede ongoing Clean Water Act mandated monitoring, maintenance and marine life sampling for pollutant effects associated with the Aliso Creek sewer outfall. Designation is not meant to impede Aliso Creek outlet maintenance and other public safety operations necessary to comply with public health and safety issues for the community.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Implementation Notes: Due to the incompatibility of SMR designation maintenance and operations of the Aliso Creek outfall, the SCRSG workgroup recommends that the Aliso sewer line and outfall be covered by a Department-approved shape SMCA with the same fishing regulations as the surrounding SMR designation.

10.4.1.27 Heisler Park SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries would be eliminated as the existing Heisler Park SMCA is subsumed by the proposed Laguna Beach SMR. For a description of this existing SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.15 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take modifications would remain unmodified as existing regulations prohibiting the take of all living marine resources would be retained under the proposed Laguna Beach SMR. Refer to Section 10.4.1.26 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: None.

10.4.1.28 Laguna Beach SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries of the existing Laguna Beach SMCA would be eliminated and the area formerly protected within the MPA would be subsumed by the proposed Laguna Beach SMR. For a description of the existing SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.16 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become more restrictive as existing regulations prohibiting take of all living marine resources would be retained, while allowances for recreational take of lobster and selected species of pelagic finfish and finfish (14 CCR 632(b)(103)(B)) would be lifted. Refer to Section 10.4.1.26 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: Under Alternative 3, allowances would be made for the continuation of activities related to water quality monitoring and maintenance of the Aliso Creek sewer outfall.

Implementation Notes: Due to the incompatibility of SMR designation maintenance and operations of the Aliso Creek outfall, the SCRSG workgroup recommends that the Aliso sewer line and outfall be covered by a Department-approved shape SMCA with the same fishing regulations as the surrounding SMR designation.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.4.1.29 South Laguna Beach SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries of the existing South Laguna Beach SMCA would be eliminated and the area formerly protected within the MPA would be subsumed by the proposed Laguna Beach SMR. For a description of this existing SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.17 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become more restrictive as existing regulations prohibiting take of all living marine resources would be retained, while allowances for recreational take of lobster, select species of finfish, and commercial take of spiny lobster (14 CCR 632(b)(103)(B)) would be lifted. Refer to Section 10.4.1.26 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: Under Alternative 3, allowances would be made for the continuation of activities related to water quality monitoring and maintenance of the Aliso Creek sewer outfall.

Implementation Notes: Due to the incompatibility of SMR designation maintenance and operations of the Aliso Creek outfall, the SCRSG workgroup recommends that the Aliso sewer line and outfall be covered by a Department-approved shape SMCA with the same fishing regulations as the surrounding SMR designation.

10.4.1.30 Dana Point SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries would be expanded; the proposed Dana Point SMCA would subsume the existing Dana Point SMCA and Niguel SMCA, expanding the area encompassed by the existing MPAs from 0.69 square mile to 2.35 square miles. The most significant boundary modification would occur with an extension of the offshore boundary, which would increase the maximum depth encompassed by the MPA from 53 feet to 125 feet. Boundaries of the proposed SMCA under Alternative 3 are depicted graphically on Figure 10-22 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become more restrictive: existing regulations prohibiting take of all living marine resources would be lifted, as well as allowances under the existing MPAs (refer to Section 10.1.1.18 and 10.1.1.19 for detailed descriptions of take regulations in the subsumed SMCAs). Alternative 3 prohibits commercial and recreational take of sheephead, rockfish, rays, sharks, marine plants and invertebrates. Allowable take would include recreational take of lobster and urchins, commercial take of lobster, including incidental catch taken under the authority

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

of a lobster permit (crab other than Dungeness [FGC 8250.5], Kellet's whelk, and octopus), urchin, and the take of species not mentioned above but allowed under general take regulations.

Proposed Modification of Other Regulated Activities: None.

10.4.1.31 Niguel SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries would be eliminated as the existing SMCA is replaced and the area formerly protected within the MPA is subsumed by the proposed Dana Point SMCA. For a description of this existing SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.18 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become less restrictive: existing regulations prohibiting take of all living marine resources would be lifted, as well as allowances for recreational take of lobster and select species of finfish, and commercial take of spiny lobster (14 CCR 632(b)(106)(B)). Refer to Section 10.4.1.30 above for changes in take regulations under Alternative 3.

Proposed Modification of Other Regulated Activities: None.

10.4.1.32 Doheny SMCA

Proposed Modification of Boundaries: This existing SMCA has been proposed for removal under Alternative 3. For a description of this SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.20 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting take of all living marine resources would be lifted, as well as existing allowances for recreational take of select species of invertebrates and finfish and commercial take (14 CCR 632(b)(109)(B)).

Proposed Modification of Other Regulated Activities: None.

10.4.1.33 Doheny Beach SMCA

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMCA that has been proposed for removal under Alternative 3. For a description of this SMCA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.21 of this Draft EIR.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting take of all living marine resources would be lifted, as well as existing allowances for recreational take of lobster and selected species of finfish, and commercial take of spiny lobster (14 CCR 632(b)(108)(B)).

Proposed Modification of Other Regulated Activities: None.

10.4.1.34 Agua Hedionda Lagoon SMR

Classification: Proposed Removal.

Proposed Modification of Boundaries: This is an existing SMR that is proposed for removal under Alternative 3. For a description of this existing MPA, refer to the No Project alternative (existing MPAs) in Section 10.1.1.22 of this Draft EIR.

Proposed Modification of Take Regulations: Existing regulations prohibiting the take of all living marine resources (14 CCR 632(b)(111)(B)) would be lifted.

Proposed Modification of Other Regulated Activities: Under Alternative 3, existing regulations pertaining to management activities for fish and wildlife, flood and vector control, and authorized operation and maintenance activities (14 CCR 632(b)(111)(C)) would be lifted.

10.4.1.35 Batiquitos Lagoon SMP and Batiquitos Lagoon SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, the existing Batiquitos Lagoon SMP is proposed for removal, and would be replaced by the larger Batiquitos Lagoon SMR. The proposed SMR would extend the area of the existing MPA from 0.28 square mile, to 0.67 square mile. Boundaries of the existing SMP and the proposed SMR are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: Designation is not intended to impede protection, restoration, maintenance or management activities including estuary mouth opening, scientific research, dune restoration, deposition of sediment and related activities as needed. However, boating, swimming, wading, and diving not related to the activities described above would be prohibited.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.4.1.36 Swami's SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries would be expanded; the proposed Swami's SMCA would subsume the existing Encinitas SMCA and Cardiff-San Elijo SMCA, expanding the offshore boundary to the offshore limits of state jurisdiction. The resulting area protected within the MPA would increase from 1.32 square miles to 9.67 square miles. The alongshore span of the proposed SMCA would be 2.68 miles, and depths within the MPA would range from 0 to 979 feet. Boundaries of the existing SMCA and the proposed SMCA are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources is prohibited except the recreational take of pelagic finfish by spearfishing. Refer to Section 10.4.1.37 and Section 10.4.1.38 for descriptions of regulations that would be lifted with the elimination of the subsumed MPAs.

Proposed Modification of Other Regulated Activities: Under Alternative 3, activities pertaining to beach nourishment, monitoring, maintenance, and marine life sampling for pollutant effects associated with the San Elijo sewer outfall would be allowed to continue.

10.4.1.37 Encinitas SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, the existing Encinitas SMCA would be eliminated and subsumed into the proposed Swami's SMCA. For a description of this existing MPA refer to the No Project alternative (existing conditions) in Section 10.1.1.24 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become more restrictive: current allowances for commercial and recreational take of finfish (14 CCR 632(b)(114)(B)) would be changed to allow only the recreational take of pelagic finfish by spearfishing. Refer to Section 10.4.1.36 above for details on new proposed take regulations.

Proposed Modification of Other Regulated Activities: None.

10.4.1.38 Cardiff-San Elijo SMCA

Classification: Proposed Removal.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: The existing Cardiff-San Elijo SMCA would be eliminated and subsumed into the proposed Swami's SMCA under Alternative 3. For a description of this existing MPA refer to the No Project alternative (existing conditions) in Section 10.1.1.25 of this Draft EIR.

Proposed Modification of Take Regulations: Under Alternative 3, take regulations would become more restrictive: existing regulations prohibiting take of all living marine resources would be retained, while allowances for recreational take of select species of invertebrates and finfish and commercial take (14 CCR 632(b)(114)(B)) changes to an allowance only for the recreational take of pelagic finfish by spearfishing. Refer to Section 10.4.1.36 above for details on new proposed take regulations.

Proposed Modification of Other Regulated Activities: None.

10.4.1.39 San Elijo Lagoon SMP and San Elijo SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Boundaries remain unmodified; this SMR would eliminate and replace the existing 0.44 square mile San Elijo Lagoon SMP. Boundaries of this SMR are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting take of all living marine resources is prohibited. However, the exception allowing recreational take of select species of invertebrates and finfish, and commercial take (14 CCR 632(b)(114)(B)), would be lifted.

Proposed Modification of Other Regulated Activities: The Alternative 3 designation is not intended to impede protection, restoration, maintenance or management activities including estuary mouth opening, scientific research, dune restoration, deposition of sediment and related activities as needed. Boating, swimming, wading, and diving not related to the activities described above are prohibited.

10.4.1.40 San Dieguito Lagoon SMP and San Dieguito Lagoon SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, the existing San Dieguito Lagoon SMP would be eliminated and replaced by the San Dieguito Lagoon SMR. Boundaries would expand, increasing the area encompassed by the MPA from 0.19 square mile, to 0.52 square mile. Boundaries of this SMR are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources is prohibited.

Proposed Modification of Other Regulated Activities: This designation will not impede protection, restoration, maintenance or management activities including estuary mouth opening, scientific research, dune restoration, deposition of sediment or related activities as needed. Boating, swimming, wading, and diving not related to the activities described above are prohibited. Other restrictions exist regarding access to the California Least Tern nesting island, hours of entry, and allowed management activities.

10.4.1.41 San Diego-Scripps SMCA and San Diego-Scripps Coastal SMCA

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, boundaries of the existing San Diego-Scripps SMCA would be eliminated and replaced by the proposed San Diego-Scripps Coastal SMCA. The northern boundary of the proposed SMCA would extend further north along the coast, beyond San Diego-La Jolla Underwater Park; the offshore boundary would extend further, increasing the maximum depth from 10 feet to 366 feet. The resulting SMCA would increase the existing protected area from 0.11 square mile to 1.41 square miles. The alongshore span would also lengthen from 0.5 mile to 1.14 miles. Boundaries of this SMCA are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources is prohibited except the recreational take of Coastal pelagic finfish by dip net.

Proposed Modification of Other Regulated Activities: The Alternative 3 designation is not intended to impede pier maintenance or research activities, scientific collection by Scripps Institute of Oceanography/UC San Diego, the Southwest Fisheries Science Center and Birch Aquarium or laboratory tank ocean water intake and discharge activities by these entities.

10.4.1.42 Matlahuayl SMR

Classification: Proposed Replacement.

Proposed Modification of Boundaries: Under Alternative 3, boundaries of the existing La Jolla SMCA would be eliminated and replaced by the proposed Matlahuayl SMR. The proposed SMR would be adjacent to the San Diego-Scripps Coastal SMCA also proposed under Alternative 3. The resulting SMR would increase the area encompassed by the existing SMCA from 0.53 square mile to 1.10 square miles. The alongshore span would run 1.21 miles, and depths within the proposed SMR would range from 0 to 331 feet. Boundaries of

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

this SMR are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations allowing only commercial take of squid for bait by use of hand-held scoop net in designated areas (14 CCR 632(b)(118)(B)) would be removed and all take of living marine resources would become prohibited.

Proposed Modification of Other Regulated Activities: Intentions of the SCRSG Work Group 3 are to maintain existing restrictions regarding boat launching areas and anchoring times. The designation is not intended to impede pier maintenance or research activities, scientific collection by SIO/UCSD, the Southwest Fisheries Science Center and Birch Aquarium or laboratory tank ocean water intake and discharge activities by these entities.

Implementation Notes: Due to the incompatibility of a SMR designation with structure maintenance, water discharges, and other activities identified, the Commission may redesignate this MPA as a “no-take” SMCA.

10.4.1.43 South La Jolla Reefs SMR

Classification: Proposed Addition.

Proposed Modification of Boundaries: The South La Jolla Reefs SMR is proposed in an area of the SCSR with no existing MPA. This SMR is located approximately 1.40 miles south of the Matlahuayl SMR proposed under Alternative 3. With the offshore boundary reaching the limits of state jurisdiction, the total area encompassed by this MPA would be 9.99 square miles. The alongshore span would run 2.68 miles, and depths within the MPA would range from 0 to 290 feet. Boundaries of this SMR are depicted graphically on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, take of all living marine resources would be prohibited.

Proposed Modification of Other Regulated Activities: This SMR is not intended to regulate, and would not regulate, activities and operations of the U.S. military.

Implementation Notes: Due to the incompatibility of SMR designation with the military use area located in the northwestern corner of the proposed SMR, part of this MPA may need to be instead designated as a “no-take SMCA” if this alternative is adopted.

10.4.1.44 Mia J. Tegner SMCA and Cabrillo SMR

Classification: Proposed Replacement.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

Proposed Modification of Boundaries: Under Alternative 3, boundaries of the existing Mia J. Tegner SMCA would be eliminated and replaced by the proposed Cabrillo SMR. The Cabrillo SMR would double the protected area encompassed by the MPA from 0.02 square mile to 0.43 square mile. The alongshore span would increase from 0.6 miles to 1.75 miles, and maximum depth within the MPA would grow from 10 feet to 30 feet. Boundaries of the proposed Cabrillo SMR, as well as the SMCA proposed for replacement, are depicted on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, existing regulations prohibiting the take of all living marine resources would be retained, removing, exceptions allowing the recreational take of finfish and commercial take of finfish and marine aquatic plants (14 CCR 632(b)(119)(B)).

Proposed Modification of Other Regulated Activities: None.

10.4.1.45 Tijuana River Mouth SMCA

Classification: Proposed Addition.

Proposed Modification of Boundaries: The Tijuana River Mouth SMCA is proposed in an area of the SCSR with no existing MPA. Located adjacent to the Tijuana River National Estuarine Research Reserve, the SMCA would abut the United States-Mexico border and extend north 3.43 miles, just past the city of Imperial Beach. Extending approximately 1.60 miles offshore, the depths within the MPA would range from 0 to 55 feet. The total area encompassed by the MPA would be 4.04 square miles. Boundaries of the proposed Tijuana River Mouth SMCA are depicted on Figure 10-23 and on detailed figures provided in Appendix A.

Proposed Modification of Take Regulations: Under Alternative 3, the take of all living marine resources is prohibited except the recreational take of Pier fishing (any target) by Hook and line; Pier fishing (any target) by Hoop net; and Pier fishing (any target) by Dip net.

Proposed Modification of Other Regulated Activities: The Alternative 3 designation is not intended to impede restoration, deposition of sediment, sand borrowing or dredging activities in the near shore zone adjacent to the Tijuana River National Estuarine Research Reserve for any research, beach or dune nourishment projects, opening the mouth of the Tijuana River if it is blocked, or implementation of the City of Imperial Beach's beach replenishment and maintenance programs.

10.4.2 Environmental Impacts of Alternative 3

As described above, under Alternative 3 existing MPA regulations would be modified, altering the boundaries, designations, and conditions governing the MPA network within the

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

SCSR. This alternative would increase the area of MPAs and designate more protective regulations for those MPAs than currently exist in the Project area. Alternative 3 would expand the extent of marine areas protected from approximately 182 square miles under existing conditions (Alternative 0) to approximately 349 square miles. This alternative would protect 1.7 fewer square miles than the proposed Project IPA.

10.4.2.1 Consumable Living Marine Resource Products

Adoption of regulatory changes as proposed by Alternative 3 would result in substantial expansion of the areas designated as MPAs within the SCSR. In locations where new or expanded MPAs would overlap existing fishing grounds or areas used for aquaculture, the take and use restrictions of the newly-imposed MPAs would apply. If the existing consumptive uses are not consistent with these restrictions, then the uses would be displaced into other areas where the uses would remain legal. Displacement of consumptive uses would not affect all fisheries equally, due to variation in the abundance and spatial distribution of marine resources. According to a report published by EcoTrust (Scholz et al. 2010), the nearshore trap fishery near Dana Point and the hook and line California halibut fishery near Santa Barbara would be disproportionately affected under Alternative 3, with effects on the stated value of total fishing grounds estimated at 29.5 percent and 16.2 percent, respectively. This level of displacement would be greater than that which would occur under the proposed Project IPA; the proposed Project IPA would disproportionately affect the nearshore trap fishery in Dana Point (28.0 percent of stated value), but would not disproportionately affect Santa Barbara's hook and line California halibut fishery.

10.4.2.2 Air Quality

Like the proposed Project IPA, the primary source of operational emissions from this alternative would be from a change in marine vessel transit distances above the current practices due to displacement from MPAs. The regulatory changes proposed under this alternative would result in an MPA network of approximately the same size as that proposed under the IPA (less than two square miles difference throughout the SCSR). Based on this fact alone, it is not clear that the air quality impacts of Alternative 3 would be substantively different from those of the proposed Project IPA. However, as discussed in Section 10.4.2.1 above, Alternative 3 would result in greater displacement of existing fishing effort than the IPA. Therefore, it is reasonable to conclude that despite the similar sizes of the MPA networks proposed, Alternative 3 would result in greater vessel transit distances, and therefore greater air pollutant emissions, than the proposed Project IPA.

10.4.2.3 Global Climate Change and Greenhouse Gas Emissions

Because GHG emissions associated with Alternative 3 would pertain solely to mobile source emissions associated with vessel traffic patterns, GHG emissions under this alternative would be closely correlated with emissions of other air pollutants, discussed in Section 10.3.2.2

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

above. Effects of Alternative 3 on GHG emissions would be slightly greater than those of the proposed Project.

10.4.2.4 Water Quality

Similar to the project IPA, under Alternative 3 existing facilities, and ongoing research and monitoring in the proposed MPAs would be allowed to continue pursuant to any required federal, state and local permits. Although not a primary criterion for MPA designation, guidance during the SCRSG MPA design process included consideration of areas with more potential water contaminant influence. However, based on a review of the Marine Map Decision Support Tool (Marine Map 2010), several of the MPAs proposed under Alternative 3 would encompass existing offshore wastewater and stormwater discharge locations. These include the Naples SMR, Blue Cavern SMR, and Matlahuayl SMR (minor wastewater discharges), the Laguna Beach SMR (intermediate wastewater discharge), and the Swami's SMCA, San Elijo Lagoon SMR, San Dieguito Lagoon SMR, and Tijuana River Mouth SMCA (stormwater discharges). Should the Commission elect to adopt this alternative, the proposed regulations would be fine-tuned to ensure compatibility with these existing uses permitted by other agencies. In some cases, this could require designating an MPA as an SMCA rather than an SMR. Expansion of the existing MPA network would be consistent with the RWQCB basin plans for the study area, and would not conflict with existing water quality standards or regulatory requirements.

Alternative 3 could increase the potential for accidental release of pollutants such as oils and fuels and other hazardous materials into the water due to increased transit time or risk of accidents from overcrowding, as well as opening new areas where MPA designations have been removed. Similar to the proposed Project, potential shifts in non-consumptive uses with the implementation of Alternative 3 could have a minor localized effect on water quality but would be expected to be minimal. Potential water quality-related effects of implementing Alternative 3 would be comparable to those of the proposed Project IPA.

10.4.2.5 Mineral Resources

The new and expanded MPAs proposed under Alternative 3 are not located over existing oil and gas production facilities, salt producing facilities, beach nourishment areas, or geothermal resource areas, with the exception of oil and gas pipelines located within the proposed Mishopsno SMCA for (between Ventura and Santa Barbara). In addition, existing oil and natural gas pipelines are located adjacent to the Bolsa Chica SMR near Huntington Beach (CDC 2000). If Alternative 3 were to be adopted, the proposed regulations would be revisited to ensure that the language allows for continuation of these existing uses permitted by other agencies. Because the proposed regulations would not regulate existing mineral resource exploration and extraction activities, there would be no impact to the availability of

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

known resources under this alternative. Potential effects on mineral resources of implementing Alternative 3 would be comparable to those of the proposed Project IPA.

10.4.2.6 Biological Resources

Like the proposed Project IPA, Alternative 3 was developed in an effort to meet the goals of the MLPA and improve the state's existing system of MPAs. Because the protection and enhancement of marine ecosystems and habitats is a central objective of the MLPA, this alternative would be expected to benefit biological resources in the long term. Removal of a human predator is not anticipated to impact species and habitats inside MPAs created or expanded by Alternative 3; instead, it is expected that the proposed MPAs will result in the return of naturally balanced ecosystems. However, in the short-term, Alternative 3 could potentially result in adverse localized impacts on biological resources located at edges of MPAs, or within existing MPAs that would be removed under this alternative. Generally, these impacts would also occur under the proposed Project IPA. The existing Big Sycamore Canyon SMR, which contains the marine receiving waters of Big Sycamore Creek, a known historical steelhead creek, would be removed under this alternative, but would also be removed under the IPA. Long-term benefits to biological resources resulting from Alternative 3 would be substantially similar to those provided by the proposed Project IPA, as this alternative would preserve approximately the same total habitat area as the proposed Project IPA.

10.4.2.7 Cultural Resources

Neither Alternative 3 nor the proposed Project IPA would result in direct physical alteration of the ocean floor or the bottom of relevant bays or estuaries, and therefore would not directly disturb any resources present, whether they be recorded, known but unrecorded, or yet unknown. Alternative 3 and the proposed Project IPA would delete many of the same MPAs. Potential impacts from this removal would be minimal because many of the MPAs that would be deleted currently allow boating, diving, and associated anchoring, so removing the MPAs would not result in a substantial change in conditions. Potential adverse impacts of Alternative 3, if any, would be equivalent to those of the proposed Project IPA.

10.4.2.8 Public Services and Utilities

Alternative 3 would not increase the need for public utilities or services significantly. The minor adjustments to the size and location of the proposed MPAs would not create a substantial difference in impact to law enforcement resources beyond what is described for the proposed Project IPA, and would not impact the existing utilities. All of the proposed MPAs are outside of the intake and discharge locations for power generation facilities utilizing once-through ocean cooling systems and existing desalination facilities with ocean intake and discharge systems. Further, if this alternative were to be adopted by the Commission, the regulatory language would be revisited to ensure that existing activities

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

under the permitting authority of other federal or state agencies, such as operations of intake and outfall pipes, would continue to be allowed under Alternative 3. The effects of Alternative 3 on public services and utilities, including law enforcement resources, would be similar to those of the proposed Project IPA.

10.4.2.9 Land Use and Recreational Resources

Like the proposed Project IPA, Alternative 3 would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative would not be expected to increase the use of existing parks or recreational facilities within the SCSR, or require the construction or expansion of recreational facilities. However, it is possible that adoption of this alternative could result in angling or fishing activity becoming concentrated at certain access points where parking or other facilities may be limited. The likelihood of this situation occurring would be based on a number of factors, including the existing use/capacity ratio for the facility and the net change in user density caused by revision of the MPA network. It is foreseeable that although consumptive users of the marine environment would be displaced from MPAs into open fishing grounds, certain non-consumptive users, such as divers, kayakers, and wildlife viewers, would partly offset this trend by preferentially using protected areas. Because the individual MPAs proposed under Alternative 3 are larger than those proposed under the IPA, and span greater alongshore distances, this alternative would have a greater potential to displace shore fishing. With regard to land use and recreation, potential effects of implementing Alternative 3 would be generally similar to those of the proposed Project IPA.

10.4.2.10 Vessel Traffic

Like the proposed Project IPA, Alternative 3 would increase the number and geographic extent of MPAs within the SCSR. On a large scale, this alternative is not expected to add vessel traffic to the SCSR. On a smaller scale, however, it is possible that changing use patterns in response to the proposed regulatory changes would result in elevated vessel traffic levels at some locations; increased vessel traffic concentrations from this alternative would be approximately similar to those expected from the proposed Project IPA, and would be minor. The proposed MPAs would not regulate or preclude vessel traffic; and existing traffic separation schemes, vessel traffic system monitoring, safety reviews and recommendations by Harbor Safety Committees, USCG enforcement, and other systems to ensure safe navigation and vessel operations would remain in place. The Palos Verdes SMR proposed under this alternative would allow some separation between the MPA and the northbound coastwise shipping lane; the MPA proposed at this location under the IPA does not feature this separation and abuts the shipping lane directly. Because of the increased separation between the MPAs and designated shipping lanes, which would reduce the risk of fishing vessels being displaced into a hazardous area, potential impacts of Alternative 3 relative to vessel traffic would be slightly less than those of the proposed Project IPA.

SOUTH COAST MARINE PROTECTED AREAS PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT

10.4.2.11 Hazards and Hazardous Materials

Like the proposed Project IPA, Alternative 3 would not require the transport, use or disposal of hazardous materials, and there would be no reasonably foreseeable upset or accident condition involving the release of hazardous materials into the environment. While the MPA network proposed under Alternative 1 would be larger than that proposed under the IPA, the proposed regulatory changes would not prohibit vessel transit through MPAs, and any emergency-related plans calling for sea evacuations or other marine components could be implemented without interference.

There are areas within the Southern California Bight that have been identified as having contaminated sediments (on lists compiled pursuant to Government Code Section 65962.5); however, because it would not involve any construction activities at these (or other) locations, Alternative 1 would not create a significant hazard, or result in substantial adverse effects, to the public or the environment. With respect to hazards and hazardous materials, potential effects of implementing Alternative 3 would be similar to those of the proposed Project IPA.

10.4.2.12 Environmental Justice

Like the proposed Project IPA, Alternative 3 would have the potential to affect commercial and recreational fishing patterns, and to displace existing fishing effort to locations outside the proposed MPAs. However, because the alongshore span of the MPAs proposed under Alternative 3 is generally greater than that of the MPAs under the proposed Project, shore-based fishing could be displaced a greater distance under this alternative. Nonetheless, the MPAs proposed under Alternative 3 would be scattered throughout the SCSR, and substantial stretches of coastline would remain open to fishing. Because coastal areas adjacent to the SCSR are heavily urbanized and provide excellent mass transit and coastal access opportunities, it is not likely that the MPA network proposed under this alternative would result in disproportionate impacts on minority or low-income populations. Any effects of this nature would be similar to those of the proposed Project.

10.4.2.13 Alternative 3 Summary

Alternative 3 would meet the Project objectives identified in Section 3.2 of this Draft EIR. Compared to the proposed project, Alternative 3 would result in slightly less impact relative to vessel traffic because it does not propose MPAs immediately abutting the coastwise shipping lanes., Impacts of this alternative related to air quality and GHG emissions would be slightly greater than those of the proposed project, because this alternative would displace a greater proportion of existing fishing effort. Other environmental impacts of this alternative would generally be similar to those of the proposed Project.

**SOUTH COAST MARINE PROTECTED AREAS PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT**

10.5 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

Based on the information presented above, the No Project alternative would not be environmentally superior to the other alternatives evaluated in this Draft EIR. The No Project alternative would not remedy the deficiencies in the existing MPA network in the SCSR and would not be compliant with the mandates of the MLPA. Foreseeable significant impacts on marine biological resources would occur under the No Project alternative. Because the No Project alternative is not the environmentally superior alternative, identification of an environmentally superior alternative among the other alternatives is not required (State CEQA Guidelines section 126.6(b)(2)).