

California MLPA North Coast Study Region
Description of Marine Protected Areas in the Revised Round 3 NCRSG MPA Proposal
November 16, 2010

Name of Proposal: Revised Round 3 NCRSG MPA Proposal (RNCP)
Author: MLPA North Coast Regional Stakeholder Group (NCRSG)
Proposal Revised: October 26, 2010

Total number of MPAs*: 17
 Number of SMRs: 6
 Number of SMCAs: 7
 Number of SMPs: 1
 Number of SMRMAs: 3

Northern Bioregion: California/Oregon border to Mattole River
 Southern Bioregion: Mattole River to Alder Creek near Point Arena

To create the “Revised Round 3 NCRSG MPA Proposal,” the MPA proposal developed by the MLPA North Coast Regional Stakeholder Group in Round 3 was revised in two ways:

- The names of two MPAs and a SMRMA (Ten Mile State SMR, Ten Mile Beach SMCA, and Ten Mile Estuary SMRMA) were modified to include, “Skip Wollenberg/...” per the NCRSG recommendation to the MLPA Blue Ribbon Task Force.
- The proposed allowed uses intended to accommodate tribal uses were updated based on a staff review to ensure that legally appropriate species and gear types were included; the findings from this review were presented at the October BRTF meeting (<http://nrm.dfg.ca.gov/FileHandler.ashx?DocumentVersionID=42651>).

For more information about this MPA proposal, please visit: http://www.dfg.ca.gov/mlpa/mpaproposals_nc.asp or <http://northcoast.marinemap.org/>.

MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Pyramid Point SMCA	1005225	Northern	North Boundary: 42° 00.00' lat South Boundary: 41° 57.50' lat East Boundary: Mean high tide line West Boundary: The state waters boundary	SMCA	Low	The take of all living marine resources is prohibited except: 1. The recreational take of surf and night smelt (CAST NET OR DIP NET). 2. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • finfish (HOOK AND LINE FROM SHORE ONLY); • shiner surfperch, surf smelt, top smelt, herring, anchovy and sculpin (DIP NET OR CAST NET); • surf smelt (BEACH NET); • marine invertebrates (includes clams, mussels, other bivalves, sea urchins) (HAND); and • marine aquatic plants (except for sea palm) (HAND). 	Recommend that Department of Fish and Game explore co-management opportunities with the Tolowa.	G1: (O-1.1,O-1.2) G2: (O-2.2,O-2.3,O-2.4) G3: (O-3.1,O-3.3) G4: (O-4.1) G5: (O-5.1,O-5.2,O-5.3,O-5.4) G6: (O-6.1,O-6.2)

MPA= marine protected area SMCA = state marine conservation area SMP = state marine park SMR = state marine reserve SMRMA = state marine recreational management area

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Pyramid Point SMCA	SMCA designed to maintain a mod-high LOP and capture beach, rocky shore and offshore rocks, and 0-30m soft replicates. Large offshore rocks support Aleutian Canada geese and breeding seabirds, including some of California's only breeding Fork-tailed Storm-Petrels and Tufted Puffin, a large rookery of Great Blue Heron, Snowy Egret (farthest north in the western U.S.) and Black-crowned Night-Heron. Contains shallow rocky reef important for nearshore rockfish and provides 14 mi ² protected forage habitat for pinnipeds and cetaceans. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	Provides clear and enforceable boundaries with abundant coastal access and vantage points. Allows nearby vessel access (Port of Brookings, OR) for study/enforcement. Located on Oregon Border outside of 10-mile safety zone. Remote location substantially reduces socioeconomic impacts to sport and commercial fisheries in California's highest poverty level area. No wave energy projects or oil exploration/leases.

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Point St. George Reef Offshore SMCA	1005226	Northern	North Boundary: 41 52'00 West Boundary: The state waters boundary South Boundary: 41 49'00 East Boundary: 124 23' 11.335" - in line with navigational buoy	SMCA	Moderate High	The take of all living marine resources is prohibited except: 1. The commercial take of salmon (TROLL); and Dungeness crab (TRAP). 2. The recreational take of salmon (TROLL); and Dungeness crab (TRAP).	None specified	G1: (O-1.1,O-1.2) G2: (O-2.1,O-2.2,O-2.4) G3: (O-3.2,O-3.3) G4: (O-4.1) G5: (O-5.1,O-5.2,O-5.3,O-5.4) G6: (O-6.1)
Reading Rock SMR	1005227	Northern	North Boundary: 41°20.1' N West Boundary: The state waters boundary South Boundary: 41°17.6' N East Boundary: 124° 10.0' W	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with the Yurok Tribe.	G1: (O-1.1,O-1.2,O-1.3,O-1.4)

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Point St. George Reef Offshore SMCA	This SMCA designed to capture Northern Bioregion replicates for 30-100m hard, 30-100m soft, and extremely rare 100-3000m soft habitats. The area contains the only offshore banks north of Point Reyes in state waters. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	Design overlaps with Rockfish Conservation Area and minimizes socioeconomic impacts to Crescent City Harbor and area sport and commercial fishers. Offshore MPA boundaries are delineated by whole minutes of latitude and longitude. Southeast corner anchored by a whistle buoy for improved public understanding and enforcement. No wave energy projects or oil exploration/leases.
Reading Rock SMR	Backbone MPA captures soft 30-100 m habitat and hard 30-100 m habitats at the very high level of protection. Clustered with Reading Rock SMCA with beaches, rocky shores and soft 0-30 m and is adjacent to Redwood National and State Park lands. Habitat captured here protects both fish species as well as marine mammals.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	This MPA is located within Yurok ancestral territory. Co-management with the Yurok tribe is recommended. Locating an MPA at Reading Rock instead of Patrick's Point or Trinidad Head greatly reduces immediate potential socioeconomic impact and ensures greater safety for the area fishing fleet. Humboldt Bay Harbor, Recreational and Conservation District has data available showing abundance of a range rockfish species in this area, suggesting a high amount of productivity, making it ideal for protection. No wave energy projects or oil exploration/leases.

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Reading Rock SMCA	1005228	Northern	North Boundary: 41°20.1' N West Boundary: 124° 10.0' W South Boundary: 41°17.6' N - north side of Redwood Creek East Boundary: Eastern study region boundary	SMCA	Low	The take of all living marine resources is prohibited except: 1. The commercial take of salmon (TROLL); and Dungeness crab (TRAP); and surf and night smelt (DIP NET OR CAST NET). 2. The recreational take of salmon (TROLL); and Dungeness crab (TRAP, HOOP NET OR DIVING); surf and night smelt (DIP NET OR CAST NET). 3. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, sculpin, lingcod, greenling (2 species), California halibut, other flatfish (7 species), sharks (7 species), ray, and skates (2 species), eels (2 species), pelagic finfish (including anchovy), sardine, mackerel (2 species), salmon, and billfishes (6 species), white sturgeon, suckerfish, stickleback, trout (except steelhead rainbow trout) and Pacific lamprey (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); 	Recommend that Department of Fish and Game explore co-management opportunities with the Yurok tribe.	G2: (O-2.4) G3: (O-3.2,O-3.3)

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Reading Rock SMCA	This MPA captures beaches, rocky shores and soft 0-30 m habitats and is clustered with the Reading Rock SMR, which captures soft 30-100 m habitat and hard 30-100. This MPA is adjacent to Redwood National and State Park lands. Habitat captured here protects both fish species as well as marine mammals. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	<p>The Humboldt Bay Harbor, Recreation and Conservation District currently conducts studies in this area in partnership with Humboldt State University. This MPA is located within Yurok ancestral territory. Co-management with the Yurok tribe is recommended. Locating an MPA at Reading Rock instead of Patrick's Point or Trinidad Head greatly reduces immediate potential socioeconomic impact and ensures greater safety for the area fishing fleet. Humboldt Bay Harbor, Recreational and Conservation District has data available showing abundance of a range rockfish species in this area, suggesting a high amount of productivity, making it ideal for protection.</p> <p>No wave energy projects or oil exploration/leases.</p>

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Reading Rock SMCA (continued)	1005228					<ul style="list-style-type: none"> • rockfish (including bocaccio), cabezon, lingcod, greenling (2 species), California halibut, other flatfish (7 species), eels (2 species), billfishes (6 species) and Pacific lamprey (SPEARFISHING); • anchovy, sardine, mackerel (2 species), eels (2 species) and Pacific lamprey (HAND); • Pacific lamprey and eels (2 species) (BOW AND ARROW); • sharks (7 species), ray, and skates (2 species) (SPEAR, HARPOON OR BOW AND ARROW); • shiner surfperch, surf smelt, top smelt, herring, sculpin and anchovy (DIP NET OR CAST NET); • surf smelt (BEACH NET); • eulachon (DIP NET); • red abalone, black and brown turban snails, limpets (4 species), clams (15 species), mussels, scallops, oysters, purple shore crab, shrimp (4 species) and urchin (2 species) (HAND); • Dungeness crab and other crabs (yellow, rock, red, slender and purple shore) (TRAP OR HOOP NET); 		

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Reading Rock SMCA (continued)			

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Reading Rock SMCA (continued)	1005228					<ul style="list-style-type: none"> • coonstripe shrimp, bay shrimp, ghost shrimp and spot prawn (TRAP); • market squid (HOOK AND LINE, DIP NET OR CAST NET); • octopus (3 species) (HAND); and • marine aquatic plants including giant kelp, bull kelp, canopy-forming algae, and turf-forming and foliose algae (except for sea palm) (HAND). 		

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Reading Rock SMCA (continued)			

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Samoa SMCA	1005229	Northern	North Boundary: North latitude 40 55.000 to the extent of state waters West Boundary: The state waters boundary South Boundary: North latitude 40 52.000 to the extent of state waters East Boundary: Mean high tide line	SMCA	Moderate low	The take of all living marine resources is prohibited except: 1. The commercial take of salmon (TROLL); Dungeness crab (TRAP); and surf and night smelt (DIP NET OR CAST NET). 2. The recreational take of salmon (TROLL); Dungeness crab (TRAP, HOOP NET OR DIVING); surf and night smelt (DIP NET OR CAST NET). 3. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, lingcod, greenling (2 species), California halibut, flatfishes (5 species), white sturgeon, sharks (2 species), ray and skates (2 species), pelagic finfish, and Pacific lamprey (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); • rockfish, cabezon, lingcod, greenling (2 species), pelagic finfish (except salmon) and Pacific lamprey (SPEARFISHING); • sharks (2 species), ray and skates (2 species) (SPEAR OR HARPOON); 	Recommend that Department of Fish and Game explore co-management opportunities with the Wiyot Tribe.	G2: (O-2.4) G4: (O-4.1) G6: (O-6.1,O-6.2)
Samoa SMCA (continued)	1005229					<ul style="list-style-type: none"> • shiner surfperch, surf smelt, and anchovy (DIP NET OR CAST NET); • eulachon (DIP NET); • clams (3 species) and cockles (2 species) (HAND); and • Dungeness crab (TRAP OR HOOP NET). 		

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Samoa SMCA	Necessary to meet beach habitat spacing and replication guidelines. MPA captures Beaches, Soft 0-30m and Soft 30-100m habitat. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	Potential overlap with PG&E's preliminary wave-energy project lease area. Not designed to impede on wastewater outfalls. Captures Beaches, Soft 0-30m and Soft 30-100m. No wave energy projects or oil exploration/leases.
Samoa SMCA (continued)			

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South Humboldt Bay SMRMA	1005230	Northern	North Boundary: north latitude 40 43.0 West Boundary: Mean high high tide South Boundary: north latitude 40 42.0 East Boundary: west longitude 124 15.00	SMRMA	Moderate low	1. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> sharks (2 species) (HOOK AND LINE, SPEAR OR HARPOON); and clams (4 species) (HAND). 	Waterfowl hunting allowed. Recommend that Department of Fish and Game explore co-management opportunities with the Wiyot Tribe.	G1: (O-1.4,O-1.5) G2: (O-2.3) G3: (O-3.1,O-3.3) G4: (O-4.1)
South Humboldt Bay SMRMA (continued)	1005230							
South Cape Mendocino SMR	1005231	Northern	North Boundary: 40 26.1 N West Boundary: The state waters boundary South Boundary: 40 24.9 N East Boundary: Mean high tide line	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with local tribes, specifically the Bear River Rancheria.	G1: (O-1.1,O-1.2,O-1.5) G2: (O-2.2) G3: (O-3.2) G4: (O-4.1) G5: (O-5.4) G6: (O-6.1,O-6.2)

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South Humboldt Bay SMRMA	MPA is close to population centers, with numerous coastal access points making research, long-term monitoring, recreation and enforcement possible. This MPA protects sensitive eelgrass habitat as well as coastal marsh, mudflats and channels within that bay that provide habitat for rays and leopard sharks. The boundaries of this MPA are on graticules and were created with much input from the California Dept. of Fish & Game for best feasibility.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	After Tribal Gathering Rights are adequately recognized and allowed in the MLPA, and real government to government consultation occurs with Tribal governments, and Tribal co-management of MPAs is defined, the Wiyot Tribe will be open to negotiating expansion of the South Humboldt Bay SMRMA into a larger, Wiyot Tribe co-managed SMRMA. Restoration projects, including invasive species removal, should not be precluded by this MPA. The Humboldt Bay Harbor, Recreation and Conservation District has long-term transects in Humboldt Bay and will potentially add another in this MPA. Humboldt Bay provides critical habitat for seabirds, migratory waterfowl, plants, Harbor Seals and other marine mammals. Important nursery for marine and estuary fishes, including halibut, leopard sharks and rays.
South Humboldt Bay SMRMA (continued)			Key points for the millions of migratory birds that rely on the Pacific Flyway. 200+ bird species, including 80 water birds and four endangered species, feed, rest or nest on the refuge or other areas around the bay. Provides habitat for 100 fish species, many contribute to sport/com fisheries and provides habitat for salmon.
South Cape Mendocino SMR	Intent of this MPA is to capture a wide range of biodiversity habitats, protect seabird & pinniped colonies, and provide research opportunities. It captures Rocky Shores, Hard 30-100m and Soft 0-30m habitat replicates.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within California legal authority. One of three MPAs in the bioregion divide area that strive for balance of meeting habitat guidelines for 'backbone', community input, cross interest support, and reductions of socioeconomic impacts. While neither the Mattole Canyon SMR or the Sea Lion Gulch SMR are preferred size, the proximity of the two MPAs to each other should function effectively as a complex. Has a northern boundary the Eureka community 'can live with' and has a southern boundary 'can live with' from Mattole/Petrolia community. Captures off shore rocks, rocky shores, soft bottom habits, beaches, 0-30 hard proxy, 30-100 hard/soft. No wave energy projects or oil exploration/leases.

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Mattole Canyon SMR	1005232	Northern and Southern (MPA crosses bioregion boundary)	North Boundary: North latitude 40 20.00 N to the extent of state waters West Boundary: The state waters boundary South Boundary: North latitude 40 17.00 N to the extent of state waters East Boundary: 124 22.50 N	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with the Bear River Rancheria.	G1: (O-1.1,O-1.2,O-1.3) G3: (O-3.1) G4: (O-4.1) G5: (O-5.1,O-5.2,O-5.3) G6: (O-6.1)
Sea Lion Gulch SMR	1005233	Southern	North Boundary: 40 14.4 N West Boundary: The state waters boundary South Boundary: 40 12.8 N East Boundary: Mean high tide line	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.1,O-1.2,O-1.5) G3: (O-3.2) G4: (O-4.1,O-4.2) G5: (O-5.3,O-5.4)

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Mattole Canyon SMR	It has a variety of diverse habitats including upwelling zones, submarine canyons, offshore reef structures, and improves study opportunities provided by marine ecosystems that are subject to minimal human impacts.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	<p>The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within California legal authority.</p> <p>This offshore MPA design allows safe shore access to remote communities for variety of shore uses as well as kayak and small craft shore launching where no other port access within two hours between Eureka and Shelter Cove exists. Captures offshore marine canyons on both sides of the bioregional split. Meets minimum size guidelines. One of three MPAs in the bioregion divide area that strive for balance of meeting habitat guidelines for 'backbone', community input, cross interest RSG member support, and reductions of socioeconomic impacts. While neither the South Cape Mendocino SMR or the Sea Lion Gulch SMR are preferred size, the proximity of the two MPAs to each other should function effectively as a complex.</p> <p>No wave energy projects or oil exploration/leases.</p>
Sea Lion Gulch SMR	Intent of this MPA is to capture a wide range of biodiversity habitats, protect seabird colonies, and provide research opportunities. Very remote area with limited human usage.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	<p>The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within California legal authority.</p> <p>One of three MPAs in the bioregion divide area that strive for balance of meeting habitat guidelines, community input, cross interest RSG member support, and reductions of socioeconomic impacts. While neither the South Cape Mendocino SMR nor the Mattole Canyon SMR are preferred size, the proximity of the two MPAs to each other should function as a complex. The MPA is in an area of significant biological significance. Southern boundary placed north of Rogers Break ~40° 12.6 N which minimizes socioeconomic impacts to Shelter Cove harbor, a "Can live with from Shelter Cove community." Rogers Break not included in Sea Lion SMR due to habitat captured in Big Flat SMCA. Captures rocky shores, hard 30-100m and soft 0-30m proxy habitat.</p> <p>No wave energy projects or oil exploration/lease</p>

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California MLPA North Coast Study Region
Description of Marine Protected Areas in the Revised Round 3 NCRSG MPA Proposal
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MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Big Flat SMCA	1005234	Southern	North Boundary: 40 09.4 N (landmark = Big Creek) West Boundary: State waters boundary South Boundary: 40 07.5 N East Boundary: Mean high high tide	SMCA	Low	The take of all living marine resources is prohibited except: 1. The commercial take of salmon (TROLL); Dungeness crab (TRAP). 2. The recreational take of salmon (TROLL); Dungeness crab (TRAP, HOOP NET OR DIVING). 3. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, lingcod, sculpin, salmon and stickleback (HOOK AND LINE); • Pacific lamprey (SPEARFISHING OR BOW AND ARROW); • surf smelt, shiner surfperch, herring (DIP NET OR CAST NET); • eulachon (DIP NET); • octopus (3 species), purple shore crab and bay and ghost shrimp (HAND); • red abalone, black and brown turban snails, limpets (3 species), clams and cockles, mussels, oysters, scallops, and sea urchins (2 species) (HAND); and <ul style="list-style-type: none"> • giant kelp, bull kelp and other marine aquatic plants (except for sea palm) (HAND). 	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.3,O-1.5) G2: (O-2.1,O-2.2) G4: (O-4.1) G5: (O-5.2) G6: (O-6.1,O-6.2)

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Big Flat SMCA	This SMCA is designed to enhance and preserve rock fish habitat while at the same time posing, due to its remote location, minimal socioeconomic impacts to commercial or recreational fishermen. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	<p>The Big Flat SMCA captures existing Essential Fish Habitat Conservation Area from shoreline to state waters. Contains some of Spanish Canyon, rising from a depth near 500 fathoms and is the potential source of a significant upwelling; bringing rich nutrients to the stocks. The northern boundary at the mouth of Big Creek provides recognized landmark and a buffer south of 40 10.00N used in current DFG regulations; it also provides access to Rogers Break ~40.12.60 minimizing socioeconomic impacts for Shelter Cove harbor. The southern boundary is approximately 10 miles from of the Shelter Cove harbor. Shelter Cove community indicated it "can live with" this MPA design. The Big Flat SMCA strives to balance meeting science guidelines, community input, cross interest NCRSG member support and reductions of socioeconomic impacts. This area is within an area of significant biological significance.</p> <p>No wave energy projects or oil exploration/lease.</p>

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MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Vizcaino SMCA	1005235	Southern	North Boundary: 39 48.5 South Boundary: 39 44.3 West Boundary: State waters boundary East Boundary: Mean high tide line	SMCA	Low	The take of all living marine resources is prohibited except: 1. The commercial take of salmon (TROLL); Dungeness crab (TRAP). 2. The recreational take of salmon (TROLL); Dungeness crab (TRAP, HOOP NET OR DIVING). 3. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, greenling (2 species), lingcod, sculpin, California halibut, Pacific halibut, stickleback, trout (except steelhead rainbow trout) and Pacific lamprey (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); • shiner surfperch, surf smelt, herring and anchovy (DIP NET OR CAST NET); • eulachon (DIP NET); • anchovy, sardine and mackerel (2 species) (HAND); • Pacific lamprey (SPEARFISHING OR BOW AND ARROW); 	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.2,O-1.4) G2: (O-2.4) G4: (O-4.1,O-4.2) G5: (O-5.3,O-5.4) G6: (O-6.1,O-6.2)

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Vizcaino SMCA	This SMCA is designed to protect rocky shore habitat. Its high diversity of benthic species, and both hard bottom and soft bottom communities, will help sustain, conserve, and protect marine life populations. It is a rarely visited remote area. Socioeconomic impacts were considered when placing it here. An important crab and salmon area (see allowed uses), it is the only preferred sized MPA in the southern bioregion. Designed to maintain mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	Socioeconomic impacts were considered when developing the level of protection to allow commercial crabbing and salmon trolling. The placement is above Rockport Beach and below Usal Beach, both public access points, so to avoid conflicts with public use. Intended to function with Ten Mile cluster to the south. Designed to maintain a mod-high LOP. No wave energy projects or oil exploration/leases.

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California MLPA North Coast Study Region
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MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Vizcaino SMCA (continued)	1005235					<ul style="list-style-type: none"> • red abalone, black and brown turban snails, limpets (2 species), clams (11 species) and cockles (2 species), mussels, oysters, scallops, urchin (2 species) (HAND); • market squid (DIP NET OR CAST NET); • Dungeness crab and other crabs (yellow, rock, red, slender and purple shore) (TRAP OR HOOP NET); • coonstripe shrimp and spot prawn (TRAP); • octopus (3 species) and bay and ghost shrimp (HAND); and • giant kelp, bull kelp, turf-forming and foliose algae (except for sea palm) (HAND). 		
Skip Wollenberg/Ten Mile SMR	1005236	Southern	North boundary: 39 35.9 South Boundary: 39 33.3 East Boundary: Mean high tide line West Boundary: State waters boundary	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.1,O-1.2,O-1.3) G2: (O-2.2,O-2.3) G3: (O-3.2) G4: (O-4.2) G5: (O-5.4) G6: (O-6.2)

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Vizcaino SMCA (continued)			
Skip Wollenberg/Ten Mile SMR	<p>The intention of this MPA is to protect and maintain biodiversity through capturing the following marine habitats: rocky shoreline, beaches, offshore islets, surf grass, kelp beds, hard and soft substrates, and is designed to interface with proximate estuarine communities. The reserve also includes pinniped haul-outs, critical nesting and breeding marine bird habitat. This MPA is close to Fort Bragg, with numerous coastal access points making research, long-term monitoring, recreation and enforcement possible.</p>	<p>The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."</p>	<p>The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within California legal authority. The northern boundary is south of a public access fishing area. The southern boundary allows traditional tribal activities on Seaside Beach. Designed to function as a cluster with adjacent SMCA and estuary MPA. This SMR is 41 miles north of the Pt. Arena SMR to minimize the cumulative effects of effort shift for all fishing and seaweed harvesting, that would otherwise take place if an MPA was sited within the preferred spacing guidelines. These compromises were made to get as close to science guidelines as possible. Located at the north end of this MPA is an established marine monitoring site, that along with numerous coastal access points makes it easy for research, recreation and enforcement. We encourage DFG to explore research of ecosystem interaction, i.e., sea urchin/kelp in support of adaptive management.</p>

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MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Skip Wollenberg/Ten Mile Beach SMCA	1005237	Southern	North Boundary: 39 33.3 South Boundary: 39 32.5 East Boundary: Mean high tide line West Boundary: State waters boundary	SMCA	Low	The take of all living marine resources is prohibited except: 1. The commercial take of Dungeness crab (TRAP). 2. The recreational take of Dungeness crab by (TRAP, HOOP NET OR DIVING). 3. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, greenling (2 species), lingcod, sculpin, California halibut, Pacific halibut, salmon, stickleback, trout (except steelhead rainbow trout) and Pacific lamprey (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); • shiner surfperch, surf smelt, herring and anchovy (DIP NET OR CAST NET); • eulachon (DIP NET); • anchovy, sardine and mackerel (2 species) (HAND); • Pacific lamprey (SPEARFISHING OR BOW AND ARROW); 	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities. No wave energy projects or oil exploration/leases.	G2: (O-2.4) G4: (O-4.1) G6: (O-6.2)
Skip Wollenberg/Ten Mile Beach SMCA (continued)	1005237					<ul style="list-style-type: none"> • octopus (3 species) and bay and ghost shrimp (HAND); • red abalone, black and brown turban snails, limpets (2 species), clams (11 species) and cockles (2 species), mussels, oysters, scallops and urchin (2 species) (HAND); • market squid (DIP NET OR CAST NET); • Dungeness crab and other crabs (yellow, rock, red, slender and purple shore) (TRAP OR HOOP NET); • coonstripe shrimp and spot prawn (TRAP); and • giant kelp, bull kelp, turf-forming and foliose algae (except for sea palm) (HAND). 		

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Skip Wollenberg/Ten Mile Beach SMCA	Adds protection for soft bottom habitat to the adjacent SMR proposed to the north. Connects the estuarine MPA to the offshore SMR. Socioeconomic impacts considered: Important crab fishing area just within the 10 Mile Safety Zone from Noyo Harbor. Designed to maintain a mod-high LOP.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	Extremely important crabbing area for the private recreational and commercial passenger fishing vessel fleet out of Fort Bragg; closing the area to crabbing would have a significant negative economic impact.
Skip Wollenberg/Ten Mile Beach SMCA (continued)			

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MPA Name	MPA ID	Bio-region	MPA Boundaries (Exact or Approximate)	Designation	Preliminary Level of Protection**	Proposed Allowed Uses (Take Regulations)	Other Proposed Regulations	Regional Goals/ Objectives
Skip Wollenberg/Ten Mile Estuary SMRMA	1005238	Southern	From the mouth of Ten Mile River (abuts Ten Mile SMCA) inland to the west bank of the south fork of the Ten Mile.	SMRMA	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities. Waterfowl hunting (if determined that waterfowl hunting is not allowed then should change designation to SMR)	G1: (O-1.1,O-1.2,O-1.4,O-1.5) G2: (O-2.1,O-2.3) G3: (O-3.1) G4: (O-4.1) G5: (O-5.4) G6: (O-6.1,O-6.2)
Point Cabrillo SMR	1005239	Southern	South boundary = 39° 20.600' North boundary = 39° 21.400' West boundary = 123° 50' East boundary = Mean high tide line	SMR	Very High	Take of all living marine resources is prohibited.	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G3: (O-3.1,O-3.3)
Point Cabrillo SMR (continued)	1005239							

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Skip Wollenberg/Ten Mile Estuary SMRMA	MPA protects fish and bird communities associated with areas of diverse estuarine habitat, larval source, and enhances reproductive capacity of numerous invertebrate species. Protects spawning and nursery grounds for populations that are found offshore. Also protects prime shorebirds and waterfowl habitat, feeding areas for pinnipeds, as well as habitat and transportation corridor for river otters.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within California legal authority. This MPA expands on long-term protections for complex estuarine habitats, including eelgrass beds, marshlands and mudflat ecosystems. Supports current DFG coho and steelhead salmon habitat conservation projects while protecting essential nursery for federal and state listed threatened anadromous fish.
Point Cabrillo SMR	Protects biodiversity and provides a continuation of goal 3 opportunities. The rapid depth drop-off close to shore, and the presence of urchin, abalone, kelp and other marine species, presents unique underwater features that have been studied by DFG for over 20 years. Expands existing MPA slightly and adjusts to simplify boundaries to meet DFG feasibility guidelines.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	The intent is to accommodate traditional, non-commercial, tribal activities when it becomes possible within CA legal authority. SMR replaces existing SMCA w/modified boundaries for feasibility. Contains high-quality invertebrate habitat closed to comm and rec take of invertebrates since 1975. Area was also closed to rec take of finfish. Local biologists say area is large enough to conduct studies on urchin and abalone. Adjacent to a State Park for recreational non-extractive activities. Accessible for research. Maintains long time series of data. Area is perfect for adaptive mgt study and collaborative research with local fishing community, biologists and tribes. Commercial nearshore fleet voluntarily do not fish and seaweed harvesters do not gather here so do not anticipate a negative socioeconomic impact.
Point Cabrillo SMR (continued)			We encourage DFG to explore research of ecosystem interaction, i.e., urchin/kelp in support of adaptive mgt. Recognize MPA falls in 10 Mi Safety Zone but feel due to its small size acceptable to community.

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Big River Estuary SMP	1005240	Southern	Seaward boundary is east side of the highway 1 bridge and MPA extends inland to the State Parks boundary.	SMP	Low	The take of all living marine resources is prohibited except: 1. The recreational take of surfperch (HOOK AND LINE FROM SHORE); Dungeness crab by (HOOP NET OR DIVING). 2. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, sculpin, lingcod, greenling (2 species), California halibut, Pacific halibut, salmon, stickleback (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); • Pacific lamprey (SPEARFISHING OR BOW AND ARROW); • shiner surfperch, surf smelt, anchovy and herring (DIP NET OR CAST NET); • eulachon (DIP NET); • octopus (3 species) and bay and ghost shrimp (HAND); • anchovy, sardine and mackerel (2 species) (HAND); 	Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.1,O-1.2,O-1.4,O-1.5) G2: (O-2.1,O-2.3) G3: (O-3.1,O-3.2,O-3.3) G4: (O-4.1) G5: (O-5.4) G6: (O-6.1,O-6.2)
Big River Estuary SMP (continued)	1005240					<ul style="list-style-type: none"> • red abalone, black and brown turban snails, limpets (2 species), clams (10 species) and cockles (2 species), mussels, oysters, scallops and urchin (2 species) (HAND); • Dungeness crab and other crabs (yellow, rock, red, slender and purple shore) (HOOP NET OR TRAP); • coonstripe shrimp and spot prawn (TRAP); • market squid (DIP NET OR CAST NET); and • giant kelp, bull kelp, canopy-forming algae, turf-forming and foliose algae (except for sea palm) (HAND). 		

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Big River Estuary SMP	MPA is close to population centers, with numerous coastal access points making research, long-term monitoring, recreation and enforcement possible. MPA protects fish and bird communities associated with areas of diverse estuarine habitat, larval source, and enhances reproductive capacity of numerous invertebrate species. Protects spawning and nursery grounds for populations that are found offshore. Also protects prime shorebirds and waterfowl habitat, feeding areas for pinnipeds, as well as habitat and transportation corridor for river otters.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	This MPA expands on long-term protections for complex estuarine habitats, including eelgrass beds, marshlands and mudflat ecosystems. Supports current DFG coho and steelhead salmon habitat conservation projects while protecting essential nursery for federal and state listed threatened anadromous fish. Because of popularity of the area, surf perch fishing allowed. (Note: the NCRSG intends to accommodate tribal uses here, which includes salmon for this MPA. Current regulations do not allow harvest of salmon in the Big River (Section 7.50, Title 14, CCR), and thus the NCRSG intentions cannot be accommodated at this time. If Section 7.50 is amended in the future to allow salmon harvest, the addition of salmon to the take regulations for this MPA would be consistent with the NCRSG intent to accommodate tribal uses.)
Big River Estuary SMP (continued)			

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Navarro River Estuary SMRMA	1005241	Southern	Mouth of the estuary to the west side of the Hwy 1 bridge	SMRMA	Low	The take of all living marine resources is prohibited except: 1. The recreational take of salmon (HOOK AND LINE); and salmonids (HOOK AND LINE). 2. The recreational take, intended to accommodate tribal uses, of: <ul style="list-style-type: none"> • rockfish, cabezon, sculpin, lingcod, greenling (2 species), California halibut, Pacific halibut, salmon, stickleback (HOOK AND LINE); • Redtail surfperch and other surfperch (HOOK AND LINE FROM SHORE); • Pacific lamprey (SPEARFISHING OR BOW AND ARROW); • shiner surfperch, surf smelt, anchovy and herring (DIP NET OR CAST NET); • eulachon (DIP NET); • octopus (3 species) and bay and ghost shrimp (HAND); • anchovy, sardine and mackerel (2 species) (HAND); 	Waterfowl hunting allowed. Recommend that Department of Fish and Game explore co-management opportunities with local tribes and tribal communities.	G1: (O-1.1,O-1.2,O-1.4,O-1.5) G2: (O-2.1,O-2.3) G3: (O-3.1,O-3.2,O-3.3) G4: (O-4.1) G5: (O-5.4) G6: (O-6.1,O-6.2)
Navarro River Estuary SMRMA (continued)	1005241					<ul style="list-style-type: none"> • red abalone, black and brown turban snails, limpets (2 species), clams (10 species) and cockles (2 species), mussels, oysters, scallops and urchin (2 species) (HAND); • Dungeness crab and other crabs (yellow, rock, red, slender and purple shore) (HOOP NET OR TRAP); • coonstripe shrimp and spot prawn (TRAP); • market squid (DIP NET OR CAST NET); and • giant kelp, bull kelp, canopy-forming algae, turf-forming and foliose algae (except for sea palm) (HAND). 		

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** Preliminary levels of protection (LOPs) are considered draft and may change based on the MLPA Master Plan Science Advisory Team's review of proposed allowed uses.

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MPA Name	Site-specific Rationale	NCRSG Motion	Other Design Considerations
Navarro River Estuary SMRMA	MPA is close to population centers, with numerous coastal access points making research, long-term monitoring, recreation and enforcement possible. MPA protects fish and bird communities associated with areas of diverse estuarine habitat, larval source, and enhances reproductive capacity of numerous invertebrate species. Protects spawning and nursery grounds for populations that are found offshore. Also protects prime shorebirds and waterfowl habitat, feeding areas for pinnipeds, as well as habitat and transportation corridor for river otters.	The NCRSG proposes that the following language be included in the MPA regulations: "All California Indian Tribal traditional, non-commercial fishing, gathering, and harvesting for subsistence, ceremonial or stewardship purposes shall be uses that are exercised by the members of California Indian tribes and tribal communities."	This MPA expands on long-term protections for complex estuarine habitats, including eelgrass beds, marshlands and mudflat ecosystems. Supports current DFG coho and steelhead salmon habitat conservation projects while protecting essential nursery for federal and state listed threatened anadromous fish. Request moving eastern boundary further east to 123.44.6 W (first major 90 degree elbow east of the Highway 1 bridge) to capture estuarine habitat guidelines. (Note: the NCRSG intends to accommodate tribal uses here, which includes salmon for this MPA. Current regulations do not allow harvest of salmon in the Navarro River (Section 7.50, Title 14, CCR), and thus the NCRSG intentions cannot be accommodated at this time. If Section 7.50 is amended in the future to allow salmon harvest, the addition of salmon to the take regulations for this MPA would be consistent with the NCRSG intent to accommodate tribal uses.)
Navarro River Estuary SMRMA (continued)			

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Appendix 1: Species and Gear Types Not Included in the Proposed Allowed Uses to Accommodate Tribes and Tribal Communities

At the August 30-31, 2010 meeting of the MLPA North Coast Regional Stakeholder Group (NCRSG), the California Department of Fish and Game (DFG) explained it would review the species and gear types proposed by north coast tribes and tribal communities in order to advance only those that are legal and regulated by the California Fish and Game Commission in the marine environment. DFG and other MLPA Initiative staff conducted the review and removed any species or gear types that were not legally appropriate. In addition, DFG applied some assumptions about species groupings and proposed gear types that are sub-categories of a single species group or gear type defined in regulation, and thus did not need to be repeated.

This appendix identifies the proposed species and gear types that were removed from the list of proposed uses in the Revised Round 3 NCRSG MPA Proposal; this appendix also includes those species and gear types that were previously removed from the Round 3 NCRSG MPA Proposal.

1. DFG staff identified the following species and gear types as ILLEGAL for recreational (any non-commercial) take and therefore are not included in the proposed allowed uses to accommodate tribes and tribal communities:

- Sea turtles by any method
- rockfish, cabezon, lingcod, and greenling by toggle harpoon or net
- California halibut, Pacific halibut, starry flounder, sand sole, turbot, and Pacific sanddab by net
- redbait perch by dip net or throw net
- Northern anchovy by round-haul net
- pelagic finfish by harpoon
- Pacific sardine, Pacific mackerel and jack mackerel by dip net, throw net, or round-haul net
- eulachon by beach net
- salmon by gill net, gig, gaff, net, weir, or toggle harpoon in ocean
- salmon by hook and line or trolling in the following estuaries/estuarine rivers: Navarro River, Big River
- salmon by spear
- steelhead rainbow trout in the ocean by any method
- white sturgeon by troll, trap, spear, toggle harpoon, or net
- white sturgeon in rivers/estuaries in Del Norte and Humboldt counties by any method
- green sturgeon by any method
- Pacific lamprey by hoop net
- squid by spear or bow and arrow
- black abalone by any method
- all barnacles, including acorn barnacle, giant barnacle and gooseneck barnacle, by any method
- Nucella, periwinkle, checkered periwinkle, and Olivella snails by hand
- all chitons, including gumboot chiton, by any method
- all sea anemones, including giant green sea anemone, by any method
- all sea cucumbers, including California sea cucumber, by any method
- sea apple by any method
- Dentalium (tusk shell) by any method
- Eelgrass and surfgrass by any method

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- sea palm by any method

Note: DFG enforcement will continue to review and bring any additional issues to the attention of the MLPA Blue Ribbon Task Force or California Fish and Game Commission.

2. The following items were not included in the proposed uses intended to accommodate tribes and tribal communities:

- Commercial harvest methods (some methods only apply to commercial harvest and are not legal for recreational take)
- Geological resources such as shells, pebbles, sea salt and driftwood (the California Fish and Game Commission does not prohibit the take of geological resources in state marine conservation areas unless specifically called out)
- Marine mammals (managed and protected under federal statute)
- Birds and their eggs and feathers (some are regulated under other state or federal laws, or the commission generally manages them through separate regulatory processes)
- Fresh water species of plants, reptiles and fish (MLPA does not apply to fresh water species)
- Terrestrial species (MLPA does not apply to terrestrial species)

3. Assumptions made about gear types:

- The definition of "hook and line" gear encompasses: hand line, throw line, trolling (when hook and line AND trolling are included).
- "Dip nets" include A-frame nets.
- "Hawaiian-type throw nets" include cast nets, throw nets, but do not include beach nets (i.e., seine gear).
- "Purple shore crab by bait/line and cloth bag" was included in proposed uses as "purple shore crab (hand)." If bait/line is intended to be hook and line, it is not legal for take of crab.
- "Bay and ghost shrimp by cloth bag" was included in proposed uses as "bay and ghost shrimp (hand)."
- The phrase, "string of throw lines and hooks" suggests the use of multiple lines attached together creating a string similar to the long-

line fishing method. This non-commercial fishing method is not legal as described. California non-commercial fishing regulations allow anglers "to take fish by hook and line with the line held in the hand, or with the line attached to a pole or rod held in the hand or closely attended in such a manner that the fish voluntarily takes the bait or lure in its mouth." The legal method of take allows for one line with the legal number of hooks.

4. Assumptions made about species:

- "Surf smelt" also includes night smelt, day fish and whitebait smelt.
- For take of steelhead rainbow trout in rivers/estuaries, refer to freshwater fishing regulations for current salmon restrictions.