

California MLPA Master Plan Science Advisory Team
Levels of Protection for the MLPA North Coast Study Region
Approved October 14, 2010; document revised October 22, 2010

The table below identifies potential activities and corresponding levels of protection as assigned by the MLPA Master Plan Science Advisory Team for marine protected areas in the MLPA North Coast Study Region. All species and gear types in this table are subject to review by the California Department of Fish and Game to ensure legality of take.

| | Level of Protection | MPA Types | Activities Associated with this Protection Level |
|--|---------------------|-------------|---|
| | Very high | SMR | No take |
| | High | SMCA SMP | Salmon and other pelagic finfish ¹ (H&L or troll in waters >50m depth); pelagic finfish ¹ (spearfishing); coastal pelagic finfish ² (H&L, round-haul net, dip net); Pacific lamprey (H&L, hand, spear, bow and arrow, dip net); eulachon (dip net); non-living shells (hand) |
| | Mod-high | SMCA SMP | Dungeness crab (trap, hoop-net, diving); salmon and other pelagic finfish ¹ (troll in water <50m depth); surf and night smelt (dip net, a-frame net, cast net); sharks, skates, and rays (spear, harpoon, bow and arrow in non-estuarine waters); trout except steelhead rainbow trout (H&L); |
| | Moderate | SMCA SMP | Redtail surfperch (H&L from shore); surfperch (H&L from shore) California halibut, flounders, soles, turbot, and sanddabs (H&L); coonstripe shrimp and spot prawn (trap); clams (intertidal hand); nori/laver and sea lettuce ³ (intertidal hand); salmon and other pelagic finfish ¹ (H&L in waters <50m depth); white sturgeon (H&L); sharks skates and rays (H&L); |
| | Mod-low | SMCA SMP | Pacific halibut (H&L); rockfishes, lingcod and other greenlings, cabezon and other sculpins, California moray eels, wolf eels, and monkeyface and rock prickleback (H&L, spearfishing, trap, hand, bow and arrow); red abalone (free-diving); urchin (diving), surfperch (H&L), shiner surfperch (H&L, dip net, cast net); unspecified finfish (H&L, spearfishing); sharks, skates, and rays (H&L, spear, harpoon, bow and arrow in estuarine waters); limpets and turban snails (hand); octopus (H&L, hand); crabs (trap, hoop net, hand); Turkish towel and Mendocino grapestone ⁴ (intertidal hand) |
| | Low | SMCA SMP | Rock scallop (diving); mussels (hand); bull kelp (hand); ghost shrimp (hand); sea palm (intertidal hand); canopy-forming algae ⁵ (intertidal hand); native oysters (hand); unspecified shrimps (hand); unspecified marine invertebrates (hand); unspecified marine algae (hand) |

SMR = state marine reserve

SMCA = state marine conservation area

SMP = state marine park

H&L = hook and line

m = meters

1 The grouping "pelagic finfish" includes: northern anchovy (*Engraulis mordax*), barracudas (*Sphyraena* spp.), billfishes* (family *Istiophoridae*), dolphinfish (*Coryphaena hippurus*), Pacific herring (*Clupea pallasii*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), salmon (*Oncorhynchus* spp.), Pacific sardine (*Sardinops sagax*), blue shark (*Prionace glauca*), salmon shark (*Lamna ditropis*), shortfin mako shark (*Isurus oxyrinchus*), thresher sharks (*Alopias* spp.), swordfish (*Xiphias gladius*), tunas (family *Scombridae*), and yellowtail (*Seriola lalandi*). *Marlin is not allowed for commercial take.

- 2 The grouping "coastal pelagic finfish" includes: Northern anchovy (*Engraulis mordax*), Pacific herring (*Clupea pallasii*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), and Pacific sardine (*Sardinops sagax*).
- 3 *Porphyra* spp. (Nori, Laver) and *Ulva* spp. (Sea Lettuce).
- 4 *Chondrocanthus/Gigartina exasperata* (Turkish Towel) and *Mastocarpus* spp. (Mendocino Grapestone).
- 5 The grouping "canopy-forming algae" includes the following harvested groups: *Alaria* spp. (Wakame), *Lessoniopsis littoralis* (Ocean Ribbons), *Laminaria* spp. (Kombu), *Saccharina/Hedophyllum sessile* ('Sweet' Kombu), *Egregia menzeisii* (Feather Boa), and *Fucus* spp. (Bladder wrack or Rockweed).