California MLPA Master Plan Science Advisory Team Draft Levels of Protection for the MLPA North Coast Study Region Revised August 29, 2010

The table below identifies potential fishing activities and corresponding levels of protection (LOPs) as assigned by the MLPA Master Plan Science Advisory Team (SAT) for the MLPA North Coast Study Region.

Underlined text in the table indicates proposed LOP assignments as recommended by the SAT LOP Work Group but that have not yet been approved by the full SAT; the proposed LOP assignments will be presented to and discussed by the SAT at its October 13-14, 2010 meeting. 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 (underlined species and gear types are proposed)
Very high	SMR	No take
High	SMCA SMP	Salmon (H&L or troll in waters >50m depth); coastal pelagic finfish ¹ (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 (troll in water <50m depth); surf and night smelt (dip net, a-frame net, cast net); sharks, skates, and rays (H&L, 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, turbots, and sanddabs (H&L); coonstripe shrimp and spot prawn (trap); clams (intertidal hand harvest); turf algae² (intertidal hand harvest); salmon (H&L in waters <50m depth); white sturgeon (H&L); turban snails (hand harvest)
Mod-low	SMCA SMP	Pacific halibut (H&L); lingcod, cabezon, rockfishes, and greenlings (H&L, spearfishing, trap); red abalone (free-diving); urchin (diving), surfperch (H&L), shiner surfperch (H&L, dip net, cast net); finfish (H&L, spearfishing); sharks, skates, and rays (H&L, spear, harpoon, bow and arrow in estuarine waters); wolf eel and monkeyface prickleback (H&L, hand, spearfishing, bow and arrow); limpets (hand harvest); octopus (H&L, hand); crabs (trap, hoop net, hand); sea cucumbers (hand harvest)
Low	SMCA SMP	Rock scallop (diving); mussels (hand harvest); bull kelp (hand harvest); ghost shrimp (hand harvest); sea palm (intertidal hand harvest); canopy-forming algae ³ (intertidal hand harvest); native oysters (hand harvest); shrimps (hand harvest)

SMR = state marine reserve H&L = hook and line

SMCA = state marine conservation area

SMP = state marine park

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