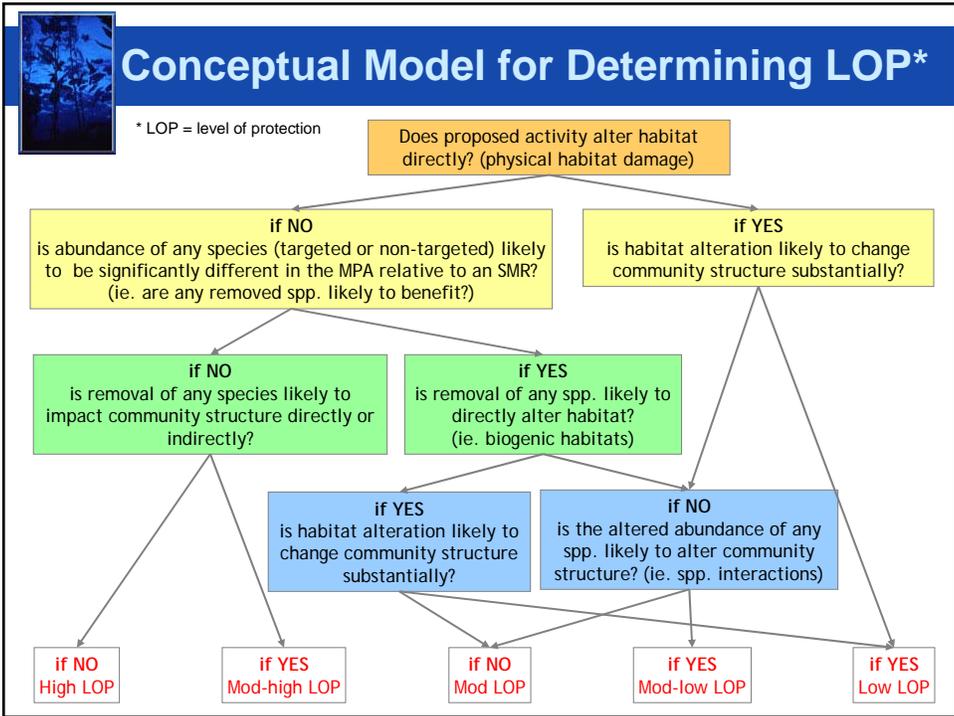


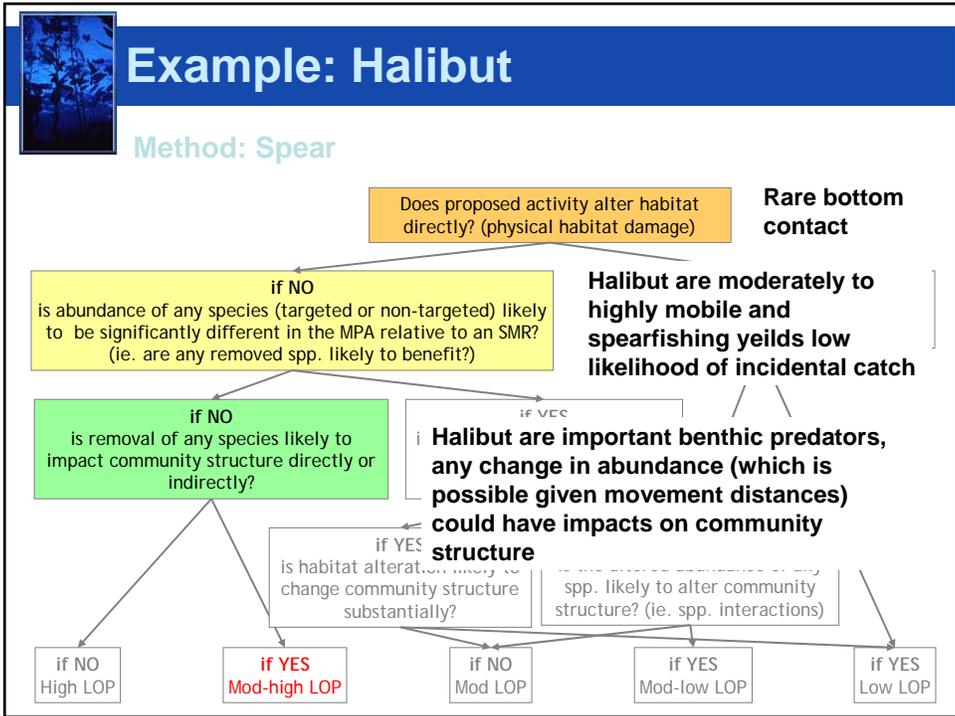
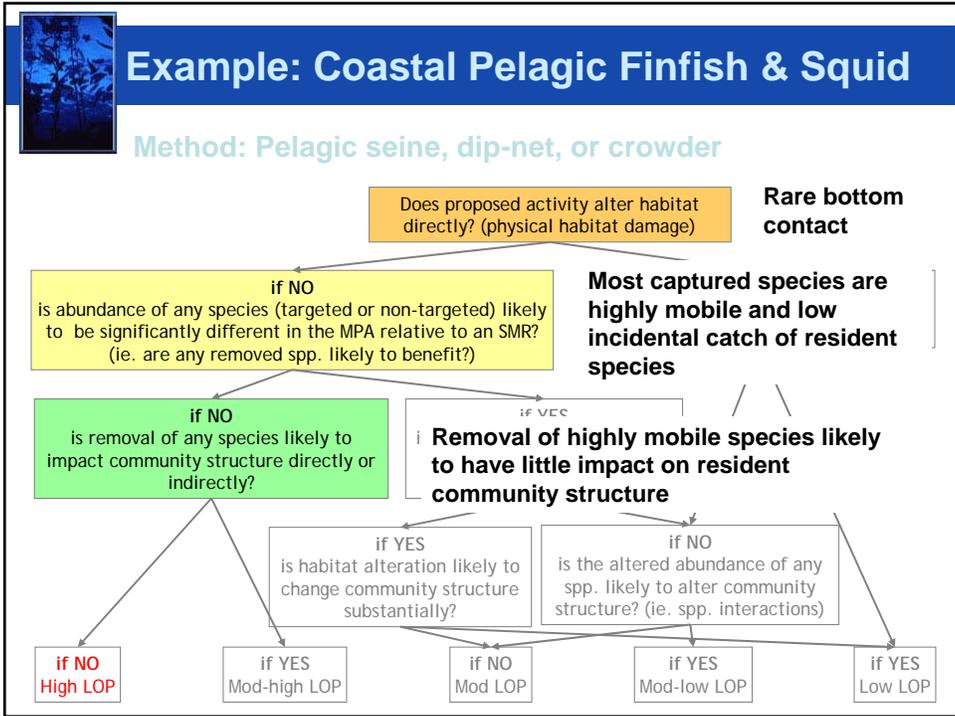
Marine Life Protection Act Initiative

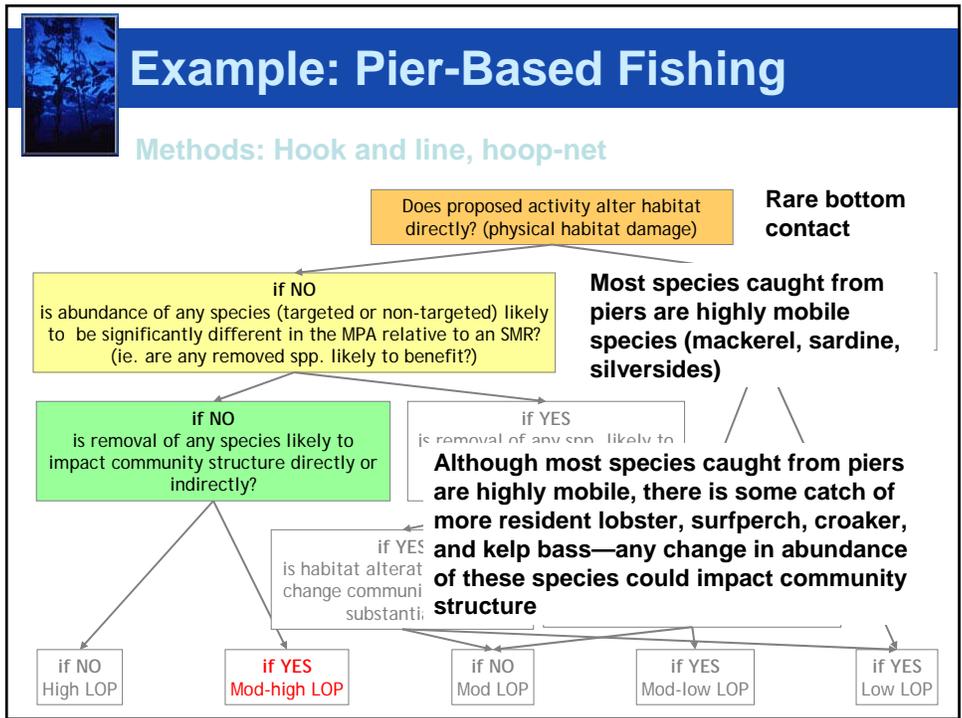
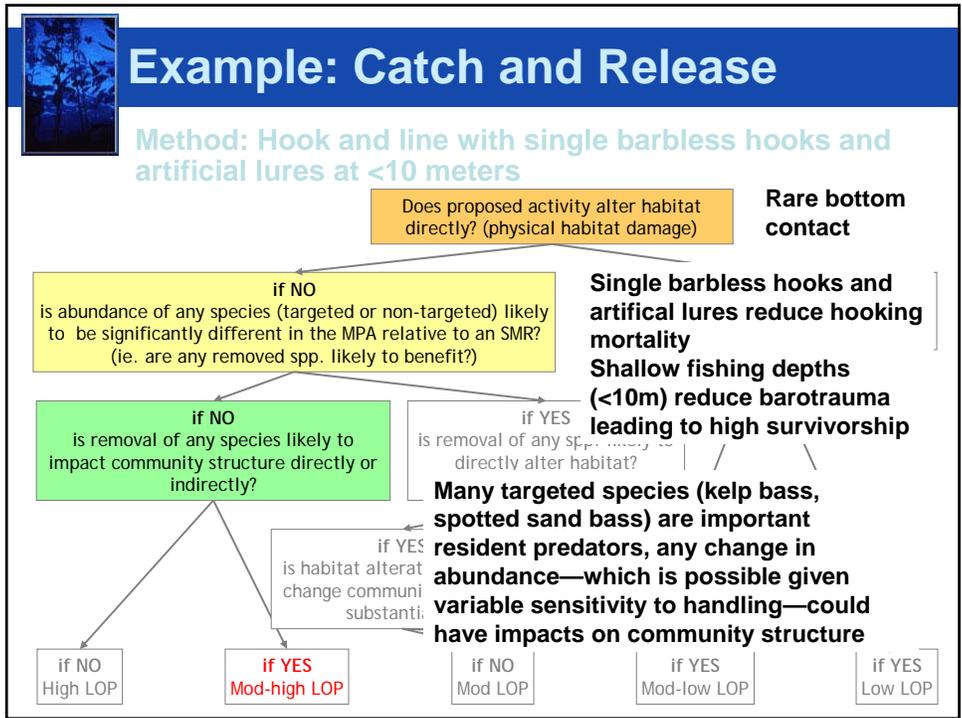
Additional Level of Protection Designations for the MLPA South Coast Study Region

Presentation to the MLPA Master Plan Science Advisory Team
April 1, 2009 • Los Angeles, CA

Presented by Dr. Ray Hilborn









LOP Designations

Level of Protection	MPA Type	Activities Associated with this Level of Protection
Very high	SMR	No take
High	SMCA	Coastal pelagic finfish and bonito (pelagic seine, dip-net, crowder), market squid (pelagic seine, dip-net, crowder); jumbo squid (squid jigs); swordfish (harpoon); In water depth > 50m: pelagic finfish, bonito and white seabass (H&L)
Mod-high	SMCA	Catch and release in <10m water or using surface gear (H&L single barbless hooks and artificial lures only); pier-based fishing (H&L, hoop-net); halibut (spear); In water depth 30-50m on mainland: pelagic finfish, bonito and white seabass (H&L)
Moderate	SMCA SMP	Spot prawn (traps/pots); sea cucumber (scuba/hookah); grunion (hand harvest); giant kelp (hand harvest); clams (hand harvest)
Mod-low	SMCA SMP	Catch and release in >10m (H&L); shore-based finfish (H&L); kelp bass, barred sand bass, lingcod, cabezon, and rockfish (H&L, spear); sheephead (H&L, spear, trap); spotted sand bass and halibut (H&L); lobster (trap, hoop net, scuba); urchin (scuba/hookah); rock crab and Kelle's whelk (trap); In water depth <50m at islands and <30m on mainland: pelagic finfish, bonito and white seabass (H&L)
Low	SMCA SMP	Rock scallop (scuba); mussels (hand harvest); giant kelp (mechanical harvest); marine algae other than giant and bull kelp (hand harvest)