

reduction from the OFL ( $\sigma=0.36/P^*=0.45$ ) as it's a category 1 stock. Because the stock is above  $B_{25\%}$ , the ACL was set equal to the ABC. 103 mt is deducted from the ACL for the Tribal fishery (91 mt), the incidental open access fishery (7 mt) and research catch (5 mt), resulting in a fishery HG of 6,712 mt.

p/ Lingcod north. A lingcod stock assessment was prepared in 2009. The lingcod biomass off Washington and Oregon was estimated to be at 62 percent of its unfished biomass in 2009. The OFL of 3,334 mt was calculated using an  $F_{MSY}$  proxy of  $F_{45\%}$ . The ABC of 3,036 mt was based on a 4 percent reduction from the OFL ( $\sigma=0.36/P^*=0.45$ ) for the area north of  $42^\circ$  N. lat. as it's a category 1 stock, and a 17 percent reduction from the OFL ( $\sigma=0.72/P^*=0.40$ ) for the area between  $42^\circ$  N. lat. and  $40^\circ 10' N$ . lat. as it's a category 2 stock. The ACL was set equal to the ABC. 277.67 mt is deducted from the ACL for the Tribal fishery (250 mt), the incidental open access fishery (16 mt) and research catch (11.67 mt), resulting in a fishery HG of 2,758 mt.

q/ Lingcod south . A lingcod stock assessment was prepared in 2009. The lingcod biomass off California was estimated to be at 74 percent of its unfished biomass in 2009. The OFL of 1,334 mt was calculated using an  $F_{MSY}$  proxy of  $F_{45\%}$ . The ABC of 1,111 mt was based on a 17 percent reduction from the OFL ( $\sigma=0.72/P^*=0.40$ ) as it's a category 2 stock. The ACL was set equal to the ABC. 9 mt is deducted from the ACL for the incidental open access fishery (7 mt) and EFP fishing (2 mt), resulting in a fishery HG of 1,102 mt.

r/ Longnose skate. A stock assessment was prepared in 2007 and the stock was estimated to be at 66 percent of its unfished biomass. The OFL of 2,902 mt is based on the 2007 stock assessment with an  $F_{MSY}$  proxy of  $F_{45\%}$ . The ABC of 2,774 mt is a 4 percent reduction from the OFL ( $\sigma=0.36/P^*=0.45$ ) as it's a category 1 stock. The ACL of 2,000 mt is a fixed harvest level that provides greater access to the stock. 72.18 mt is deducted from the ACL for the Tribal fishery