

Yelloweye Rockfish Catch Report for 2011-12

This catch report updates the status of the yelloweye rockfish (*Sebastes ruberrimus*) resource off the coast of the United States from Southern California to the U.S.-Canadian border using data through 2012. The last full assessment was performed in 2009 (Stewart, 2009), and an update for yelloweye rockfish was done in 2011 (Taylor and Wetzel, 2011). The resource is modeled as a single stock, but with three explicit spatial areas: Washington, Oregon and California. The modeling was done with the most up-to-date version of Stock Synthesis available at the time.

Fishing mortality for 2010 and 2011 was estimated in West Coast Groundfish Observer Program (WCGOP) total mortality reports for 2010 (NWFSC, 2011) and 2011 (NWFSC, 2012). Observed discard rates for each species were directly expanded to a fleet-wide level of discard mortality through a deterministic approach. This discard mortality is added to landings data to give an estimate of total mortality. (Note that the most current yelloweye rockfish assessment only had the Groundfish Management Team's (GMT's) scorecard available for an estimate of 2010 fishing mortality.)

The GMT's scorecard for 2012 was used for the fishing mortality in 2012 (GMT, 2012). The GMT's scorecard aggregates research, state, and tribal in-season catch estimates to track overfished species totals against current harvest specifications.

The fishing mortalities for 2010-2012 (Table 1) are all estimated to be under the annual catch limits (ACLs) as set by the Pacific Fishery Management Council and approved by the National Marine Fishery Service (PFMC, 2010; PFMC, 2011; PFMC, 2012). The ACLs for 2013 and 2014 are both 18 mt (PFMC, 2012).

The current target rebuilding year (T_{TARGET}) for yelloweye rockfish is 2074 and the SPR harvest rate is $F_{76.0\%}$ (PFMC, 2012).

Table 1. Estimated fishing mortality and management reference points for yelloweye rockfish in 2010-12.

Year	Estimated fishing mortality (mt)	Management reference points (harvest specifications)					
		ACL (2010 OY) (mt)	Estimated mortality (% of ACL)	ABC (mt)	Estimated mortality (% of ABC)	OFL (2010 ABC) (mt)	Estimated mortality (% of OFL)
2010	8	17	47%	-	-	32	25%
2011	9	17	52%	46	19%	48	18%
2012	16	17	94%	46	35%	48	33%

References

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