

## Pacific Ocean Perch Catch Report for 2011-12

This catch report updates the status of the Pacific ocean perch (POP; *Sebastes alutus*) resource off the coast of the United States from Northern California to the U.S.-Canadian border using data through 2012. Composition data indicate that good recruitment years coincide in Oregon and Washington and no significant genetic differences have been found off the U.S. coast. The last full assessment was performed in 2011 (Hamel and Ono, 2011). The resource was modeled as a single stock using 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 POP assessment only had the Groundfish Management Team's (GMT) 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 150 and 153mt, respectively (PFMC, 2012).

The target rebuilding year ( $T_{TARGET}$ ) for POP is 2051 and the SPR harvest rate is  $F_{86.4\%}$  (PFMC, 2012).

Table 1. Estimated annual fishing mortality and management reference points for Pacific ocean perch north of 40°10' N lat. 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	159	200	80%	-	-	1,173	14%
2011	62	180	34%	981	6%	1,026	6%
2012	150	183	82%	962	16%	1,007	15%

## References

- Groundfish Management Team (GMT): Pacific Fishery Management Council (PFMC). 2012. Scorecard for November of 2012. Allocations and projected mortality impacts (mt) of overfished groundfish species for 2012. Lynn Mattes (personal communication).
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