

Total Mortality for Cowcod and Related Harvest Specifications, 2013-2016

Best available estimates of total mortality for cowcod (*Sebastes levis*) have not exceeded the Annual Catch Limit (ACL) over the period 2013-2016 (Table 1).

Table 1. Annual estimates (2013-2016) of total mortality, overfishing limit (OFL), acceptable biological catch (ABC), and annual catch limit (ACL) for cowcod. Units are metric tons for total mortality and harvest specifications.

Year	OFL	ABC	ACL	Total Mortality	Source of Total Mortality Estimate
2016	68	62	10	1.4	Assumed equal to 2015 estimate
2015	67	60	10	1.4	Somers et al. 2016
2014	12	9	3	1.16	Somers et al. 2015
2013	11	9	3	1.89	Somers et al. 2014

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References

Somers, K.A., Y.-W. Lee, J. Jannot, V. Tuttle, N.B. Riley, and J. McVeigh. 2016. Estimated discard and catch of groundfish species in the 2015 U.S. west coast fisheries. NOAA Fisheries, NWFS Observer Program, 2725 Montlake Blvd E., Seattle, WA 98112.

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