

HARVEST SPECIFICATION PROJECTIONS FOR SELECT WEST COAST GROUND FISH STOCKS IN 2027 AND BEYOND

The following harvest specification projections are provided in response to requests from the September 2025 Council meeting. They are provided here to support harvest specification decision-making by the Council.

In addition, Agenda Item F.3 Attachment 3 contains the requested harvest specification projections for shortspine thornyhead from the September 2025 Council meeting.

See also Agenda Item F.2 for additional tables provided in new assessments or catch-only projections in the current stock assessment cycle.

List of Tables

Table 1. Scientific uncertainty buffers recommended by the SSC in 2019 and implemented in 2020 (PFMC adopted per Agenda Item G.3.a Supplemental SSC Report 1, March 2019).....2

Table 2. Aurora rockfish harvest specification projections, 2025-2028. Projections based on the 2013 assessment using the extended time-varying sigma calculations; $P^* = 0.45$, ABC = ACL. The portion of the coastwide stock north (19%) and south (81%) of 40° 10' N lat. is based on average survey biomass. 3

Table 3. Rougheye/blackspotted rockfish harvest specification projections, per Alternatives adopted by the Council September 2025. Table values are provided coastwide; note the ACL is split N (98%) and S (2%) of 40°10' N. Lat. based on avg landings during 1985-2012 for management within the slope rockfish complexes. 2025-2026 are assumed values provided by the GMT. Spawning Output = trillions of eggs 3

Table 1. Scientific uncertainty buffers recommended by the SSC in 2019 and implemented in 2020 (PFMC adopted per Agenda Item G.3.a Supplemental SSC Report 1, March 2019).

Year since assessment	Category 1 (baseline $\sigma = 0.5$)				
	P*				
	0.45	0.4	0.35	0.3	0.25
1	6.1%	11.9%	17.5%	23.1%	28.6%
2	6.5%	12.7%	18.7%	24.6%	30.4%
3	7.0%	13.6%	19.9%	26.0%	32.1%
4	7.4%	14.4%	21.0%	27.5%	33.8%
5	7.8%	15.2%	22.2%	28.9%	35.5%
6	8.3%	16.0%	23.3%	30.3%	37.1%
7	8.7%	16.8%	24.4%	31.6%	38.7%
8	9.1%	17.6%	25.5%	33.0%	40.2%
9	9.6%	18.3%	26.5%	34.3%	41.7%
10	10.0%	19.1%	27.6%	35.5%	43.2%
11	10.4%	19.9%	28.6%	36.8%	44.6%
12	10.8%	20.6%	29.6%	38.0%	46.0%
13	11.3%	21.4%	30.7%	39.2%	47.3%
14	11.7%	22.1%	31.6%	40.4%	48.6%
15	12.1%	22.9%	32.6%	41.6%	49.9%
Year since assessment	Category 2 (baseline $\sigma = 1.0$)				
	P*				
	0.45	0.4	0.35	0.3	0.25
1	11.8%	22.4%	32.0%	40.8%	49.1%
2	12.6%	23.8%	33.9%	43.1%	51.6%
3	13.5%	25.3%	35.8%	45.3%	54.0%
4	14.3%	26.7%	37.6%	47.4%	56.2%
5	15.1%	28.1%	39.4%	49.4%	58.4%
6	15.9%	29.4%	41.1%	51.4%	60.4%
7	16.7%	30.7%	42.8%	53.3%	62.4%
8	17.4%	32.0%	44.4%	55.1%	64.2%
9	18.2%	33.3%	46.0%	56.8%	66.0%
10	19.0%	34.6%	47.6%	58.5%	67.7%
11	19.7%	35.8%	49.0%	60.1%	69.3%
12	20.5%	37.0%	50.5%	61.6%	70.8%
13	21.2%	38.2%	51.9%	63.1%	72.2%
14	22.0%	39.4%	53.3%	64.5%	73.6%
15	22.7%	40.5%	54.6%	65.9%	74.9%
	Category 3 (constant $\sigma = 2.0$)				
	P*				
	0.45	0.4	0.35	0.3	0.25
	22.2%	39.8%	53.7%	65.0%	74.0%

Table 2. Aurora rockfish harvest specification projections, 2025-2028. Projections based on the 2013 assessment using the extended time-varying sigma calculations; $P^* = 0.45$, ABC = ACL. The portion of the coastwide stock north (19%) and south (81%) of 40° 10' N lat. is based on average survey biomass.

Year	Buffer	OFL (mt)	ABC (mt)	North OFL	North ABC	South OFL	South ABC	Depletion
2025	0.892	91.00	81.17	17.29	15.42	73.71	65.75	64.0%
2026	0.887	90.62	80.38	17.22	15.27	73.40	65.11	63.9%
2027	0.883	90.19	79.64	17.14	15.13	73.05	64.51	63.7%
2028	0.879	89.73	78.87	17.05	14.98	72.68	63.89	63.5%

Table 3. Rougheye/blackspotted rockfish harvest specification projections, per Alternatives adopted by the Council September 2025. Table values are provided coastwide; note the ACL is split N (98%) and S (2%) of 40°10' N. Lat. based on avg landings during 1985-2012 for management within the slope rockfish complexes. 2025-2026 are assumed values provided by the GMT. Spawning Output = trillions of eggs.

A. Alternative 2: Ad-hoc phase in; constant ACL = 519 mt for 2027-28 then revert to Default ($P^* = 0.45$, ABC = ACL).

Year	OFL (mt)	ABC (mt)	ACL (mt)	Depletion	Spawning Output
2025			155.1	0.87	4.86
2026			186.7	0.87	4.87
2027	966	844	519	0.88	4.89
2028	962	832	519	0.87	4.86
2029	959	821	821	0.87	4.84
2030	947	804	804	0.86	4.78
2031	937	788	788	0.85	4.72
2032	926	771	771	0.84	4.66
2033	915	756	756	0.83	4.6
2034	904	740	740	0.82	4.55
2035	893	723	723	0.81	4.49
2036	882	708	708	0.8	4.44

B. Alternative 3: Ad-hoc phase in; constant ACL = 300 mt for 2027-28 then revert to Default ($P^* = 0.45$, ABC = ACL).

Year	OFL (mt)	ABC (mt)	ACL (mt)	Depletion	Spawning Output
2025			155.1	0.87	4.86
2026			186.7	0.87	4.87
2027	966	844	300	0.88	4.89

2028	967	836	300	0.88	4.89
2029	969	830	830	0.88	4.89
2030	958	813	813	0.87	4.83
2031	946	796	796	0.86	4.77
2032	935	779	779	0.84	4.71
2033	924	763	763	0.83	4.65
2034	913	747	747	0.82	4.6
2035	902	730	730	0.81	4.54
2036	890	715	715	0.8	4.49

PFMC
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