

Catch only projection for bocaccio in 2025

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This document details a catch-only projection for bocaccio. The most recent (update) assessment for bocaccio was conducted in 2017, which included the stock south of 43° N to the U.S./Mexico border. No updates or catch-only projections have been done since that time. This analysis updates catches between 2017 - 2024 to the best information about observed removals as provided by the Groundfish Management Team (GMT). The removals for 2025 and 2026 were set equal to mortality projections provided by the GMT for each fleet in the model. For years 2027 and beyond, removals were set equal to the projected Annual Catch Limit (ACL) based on a category 1 time-varying σ of 0.5 and a P^* value of 0.45. These buffers are the same as in the previous projection, with an extension to the year 2036. Projected catches were divided among fleets using the same relative-F as in the 2017 model.

Table 1: 2017 assessment projection and new catch-only projection for OFLs (mt), buffer, ABCs (mt), actual & assumed catch (mt), ACLs (mt), spawning output (billions of eggs), and stock status (fraction of unfished spawning output). The gray shading indicates values from the 2017 assessment projection. The removals for years beyond the values in the 'Actual & Assumed Removals' columns are the ACL values estimated from that model.

Table 3: Productivity Values - Columns are the FCE values estimated from that model.												
						Actual & Assumed Removals	Actual & Assumed Removals			Spawning Output	Stock Status	Stock
Year	OFL (2017)	OFL	Buffer	ABC (2017)	ABC	(2017)	Removals	ACL (2017)	ACL	(billions)	(2017)	Status
2017	2233	-	-	-	-	790	247	790	-	3,602	48.6%	48.6%
2018	2201	-	-	-	-	741	335	741	-	4,015	53.1%	54.2%
2019	2194	-	-	2097	-	2097	528	2097	-	4,263	55.3%	57.5%
2020	2104	-	-	2011	-	2011	445	2011	-	4,427	54.3%	59.7%
2021	2069	-	-	1978	-	1978	431	1978	-	4,604	53.1%	62.1%
2022	2047	-	-	1957	-	1957	593	1957	-	4,784	51.8%	64.6%
2023	2028	-	-	1939	-	1939	636	1939	-	4,932	50.4%	66.6%
2024	2011	-	-	1923	-	1923	872	1923	-	5,066	49.0%	68.4%
2025	1997	-	-	1909	-	1909	712	1909	-	5,149	47.7%	69.5%
2026	1984	-	-	1897	-	1897	711	1897	-	5,250	46.4%	70.9%
2027	1974	2745	0.900	1887	2471	1887	-	1887	2471	5,342	45.3%	72.1%
2028	1964	2633	0.896	1878	2360	1878	-	1878	2360	5,153	44.2%	69.5%
2029	-	2536	0.892	-	2262	-	-	-	2262	4,964	-	67.0%
2030	-	2454	0.887	-	2177	-	-	-	2177	4,788	-	64.6%
2031	-	2386	0.883	-	2107	-	-	-	2107	4,629	-	62.5%
2032	-	2329	0.879	-	2048	-	-	-	2048	4,490	-	60.6%
2033	-	2282	0.875	-	1997	-	-	-	1997	4,369	-	59.0%
2034	-	2242	0.871	-	1953	-	-	-	1953	4,266	-	57.6%
2035	-	2210	0.867	-	1916	-	-	-	1916	4,179	-	56.4%
2036	-	2183	0.863	-	1884	-	-	-	1884	4,106	-	55.4%