

Table 4. Estimated time to rebuild and spawning potential ratio (SPR) harvest rate relative to alternative 2013-2014 ACLs for overfished west coast groundfish stocks.

Stock	Current Ttarget	Current SPR or Harvest Control Rule	Current Tmax	ACL Alt.	ACLs (mt)		SPR or Harvest Control Rule	Median Time to Rebuild	Rebuilding Duration Beyond T@F=0 (yrs.)	Prob. of Rebuilding by Ttarget	Prob. of Rebuilding by Tmax	Re-est. Tmax
					2013	2014						
Bocaccio S of 40°10' N lat. a/	2022	77.7%	2031	1	0	0	100%	2019	0	88.0%	99.0%	2031
				2	133	143	90.0%	2019	0	77.0%	97.0%	
				3	248	263	82.3%	2020	1	NA	NA	
				4	320	337	77.7%	2021	2	60.0%	90.0%	
				5	453	471	70.0%	2023	4	49.0%	70.0%	
				6	691	705	60.0%	2027	8	33.0%	63.0%	
				7	837	843	53.9%	2031	12	23.0%	51.0%	
Canary	2027	88.7%	2046	1	0	0	100%	2028	0	48.2%	75.0%	2050
				2	48	49	95.1%	2028	0	41.2%	75.0%	
				3	101	104	90.0%	2029	1	36.4%	75.0%	
				4	116	119	88.7%	2030	2	34.4%	75.0%	
				5	147	151	85.9%	2030	2	31.7%	75.0%	
				6	184	187	82.9%	2031	3	29.9%	75.0%	
				7	216	220	80.3%	2032	4	27.9%	74.9%	
				8	302	306	74.0%	2035	7	26.1%	73.6%	
				9	394	397	67.9%	2040	12	25.1%	66.3%	
				10	449	451	64.7%	2045	17	25.0%	59.4%	
				11	752	753	62.2%	2050	22	25.0%	50.0%	
Cowcod b/	2068	82.7%	2098	1	0	0	100%	2060	0	NA	78.4%	2097
				2	2	2	90.0%	2064	4	NA	72.4%	
				3	3	3	82.7%	2068	8	50.0%	66.2%	
				4	4	4	79.0%	2071	11	NA	66.2%	
				5	5	5	74.2%	2074	14	NA	66.2%	
				6	9	9	59.7%	2097	37	NA	53.3%	

Stock	Current Ttarget	Current SPR or Harvest Control Rule	Current Tmax	ACL Alt.	ACLs (mt)		SPR or Harvest Control Rule	Median Time to Rebuild	Rebuilding Duration Beyond T@F=0 (yrs.)	Prob. of Rebuilding by Ttarget	Prob. of Rebuilding by Tmax	Re-est. Tmax
					2013	2014						
Darkblotched	2025	64.9%	2037	1	0	0	100%	2016	0	100.0%	100.0%	2037
				2	317	330	64.9%	2017	1	100.0%	100.0%	
				3	347	360	62.6%	2017	1	100.0%	100.0%	
				4	353	366	62.1%	2018	2	100.0%	100.0%	
				5	372	385	60.7%	2018	2	100.0%	100.0%	
				6	423	437	57.1%	2018	2	100.0%	100.0%	
				7	488	501	53.0%	2020	4	72.8%	91.0%	
				8	553	565	49.0%	2025	9	NA	NA	
				9	676	685	43.0%	2037	21	NA	50.0%	
POP	2020	86.4%	2045	1	0	0	100%	2043	0	25.0%	85.5%	2071
				2	16	17	98.4%	2043	0	25.0%	84.0%	
				3	35	36	96.5%	2044	1	25.0%	83.0%	
				4	58	60	94.3%	2045	2	25.0%	81.0%	
				5	74	76	92.9%	2046	3	25.0%	79.0%	
				6	89	91	91.6%	2047	4	25.0%	78.0%	
				7	106	108	90.1%	2048	5	25.0%	77.0%	
				8	122	124	88.8%	2049	6	25.0%	76.0%	
				9	131	134	88.0%	2050	7	25.0%	75.0%	
				10	136	139	87.6%	2050	7	25.0%	75.0%	
				11	150	153	86.4%	2051	8	25.0%	73.0%	
				12	158	161	85.8%	2052	9	25.0%	72.6%	
				13	163	167	85.4%	2052	9	25.0%	72.0%	
				14	175	178	84.5%	2053	10	25.0%	71.0%	
				15	182	186	83.9%	2054	11	25.0%	70.1%	
				16	199	203	82.6%	2055	12	25.0%	68.0%	
				17	209	213	81.9%	2056	13	25.0%	NA	
				18	222	226	80.9%	2057	14	25.0%	NA	
				19	247	251	79.2%	2060	17	25.0%	62.0%	
				20	291	295	76.2%	2065	22	25.0%	55.8%	
				21	328	333	73.8%	2071	28	25.0%	50.0%	

Stock	Current Ttarget	Current SPR or Harvest Control Rule	Current Tmax	ACL Alt.	ACLs (mt)		SPR or Harvest Control Rule	Median Time to Rebuild	Rebuilding Duration Beyond T@F=0 (yrs.)	Prob. of Rebuilding by Ttarget	Prob. of Rebuilding by Tmax	Re-est. Tmax
					2013	2014						
Petrale	2016	25-5 Rule	2021	1	0	0	100%	2013	0	100.0%	100.0%	2021
				2	867	1,008	60%	2013	0	100.0%	100.0%	
				3	1,265	1,432	50%	2013	0	100.0%	100.0%	
				4	1,831	1,994	40%	2013	0	100.0%	100.0%	
				5	2,592	2,652	25-5 Rule (=ABC @ 28% depletion in 2013)	2013	0	100.0%	100.0%	
Yelloweye	2074	76.0%	2089	1	0	0	100%	2045	0	99.2%	99.9%	2083
				2	9	9	86.4%	2053	8	85.3%	93.7%	
				3	14	14	80.5%	2060	15	75.1%	82.8%	
				4	15	15	79.5%	2061	16	73.2%	81.0%	
				5	17	18	76.5%	2066	21	64.1%	73.9%	
				6	18	18	76.0%	2067	22	62.1%	72.9%	
				7	21	21	72.7%	2074	29	50.0%	61.3%	
				8	24	25	69.7%	2083	38	37.2%	50.0%	

a/ All bocaccio alternatives have been reduced from the rebuilding analysis results by 6% to represent the portion of the stock south of 40°10' N lat.
b/ All cowcod alternatives have been doubled from the rebuilding analysis to account for the Monterey contribution.