

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE REPORT ON
INSEASON ADJUSTMENTS – FINAL ACTION

Summary of 2017 and 2018 Groundfish Mortality in California

The California Department of Fish and Wildlife (CDFW) provides the following informational report on mortality of select groundfish species for 2017 and 2018. The 2017 estimated mortality of select species by month are provided for the recreational sector (Table 1) and the commercial sector (Table 2), as well as estimated harvest compared to federally designated harvest specifications (Table 3). Preliminary 2018 estimated mortality for select species by month through March are provided for the recreational sector (Table 4) and through May for the commercial sector (Table 5), as well as estimated harvest compared to federally designated harvest specifications (Table 6). Mortality is reported in metric tons and includes landings plus discards for the recreational fishery and landings for the commercial fishery without discard mortality estimates. Preliminary recreational estimates are provided by the California Recreational Fisheries Survey (CRFS). Preliminary commercial landings were extracted from the California Commercial Fisheries Information System (CFIS). CDFW offers this information to assist stakeholders in evaluating future inseason actions, and those under consideration in the biennial specifications process. These data are preliminary. CDFW will provide updates on the status of the 2018 fishing season as it progresses.

Table 1. Estimated mortality (mt) of select groundfish species in the California recreational sector by month, 2017.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
BOCACCIO	-	0.0	13.8	11.6	18.2	16.1	5.9	19.2	12.4	16.0	5.3	7.1	125.6
COWCOD	-	0.0	0.3	0.0	0.1	0.0	0.1	0.1	0.0	0.1	-	0.1	0.8
YELLOWEYE ROCKFISH	-	-	0.0	0.0	0.3	0.5	0.8	1.1	0.8	0.3	0.1	0.4	4.5
Black Rockfish	-	0.1	0.3	1.3	10.1	15.2	23.6	20.1	11.7	4.8	5.7	4.6	97.5
Blackgill Rockfish S 40°10'N lat.	-	-	-	-	-	-	-	-	-	-	-	-	-
Blue Rockfish	0.0	0.3	2.1	12.2	10.0	15.2	32.0	24.2	24.3	13.4	35.1	23.3	192.2
Cabezon	0.1	0.3	0.9	0.6	3.8	2.4	5.9	5.3	3.5	2.4	2.2	3.8	31.2
CA Scorpionfish ^a	3.9	4.8	5.5	3.1	15.7	20.0	19.4	8.3	0.3	0.2	0.2	0.7	82.1
Canary Rockfish	-	0.0	0.1	4.5	10.9	7.8	10.4	15.9	9.7	7.0	7.1	9.0	82.4
Greenlings	0.0	0.4	1.0	0.2	2.2	1.2	1.3	0.9	0.6	1.7	0.9	1.4	12.0
Lingcod S 40°10' N lat.	0.4	0.3	7.9	26.5	57.7	44.9	51.3	64.6	47.4	39.0	51.1	53.7	444.8
Nearshore RF N 40°10' N lat. ^b	0.0	-	0.0	-	1.0	1.5	5.2	5.5	3.3	0.8	0.1	1.2	18.5
Nearshore RF S 40°10' N lat. ^b	0.5	1.4	16.2	37.6	57.8	59.0	86.3	95.0	75.4	46.7	74.9	70.8	621.7

Note: 0.0 indicates trace mortality; a dash (-) indicates no mortality

Data are preliminary

a\ The recreational fishery for California scorpionfish closed on September 1.

b\ Does not include black rockfish mortality estimates.

Table 2. Estimated mortality (mt) of select groundfish species in the California commercial sectors by month, 2017.

Species	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
BOCACCIO	0.4	0.5	0.0	-	0.5	1.1	1.3	0.8	0.8	0.8	0.4	0.5	7.1
COWCOD	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWEYE ROCKFISH	-	-	-	-	-	-	-	0.0	0.1	-	-	0.0	0.1
Black Rockfish	0.5	0.3	2.4	3.4	8.6	10.3	7.4	7.5	7.1	4.1	0.7	3.8	56.1
Blackgill Rockfish S 40°10' N lat. ^a	1.2	0.5	1.8	1.8	2.2	2.8	4.2	12.1	9.2	4.8	6.9	4.3	51.8
Blue Rockfish	0.6	0.5	0.8	0.2	0.5	1.0	1.2	1.1	0.9	1.1	1.1	1.8	10.8
Cabazon	1.3	0.8	0.0	0.0	3.2	2.5	3.5	2.9	3.8	1.6	1.8	2.0	23.4
CA Scorpionfish	0.0	0.0	-	-	0.1	0.3	0.2	0.3	0.0	0.1	0.1	0.1	1.2
Canary Rockfish	-	0.1	0.1	0.1	0.5	0.4	0.6	1.0	1.2	0.6	0.5	0.6	5.7
Greenlings	0.2	0.1	-	-	0.5	0.5	0.6	0.5	0.6	0.4	0.2	0.4	4.0
Lingcod S 40°10' N lat.	1.5	1.3	0.0	-	6.7	5.3	7.0	8.7	11.8	8.2	8.9	5.2	64.6
Nearshore RF N 40°10' N lat. ^{b,c}	0.3	0.0	0.8	0.2	0.5	0.3	0.3	1.1	1.3	0.6	0.1	1.2	6.7
Nearshore RF S 40°10' N lat. ^b	4.8	4.5	-	-	9.0	8.5	13.2	12.1	13.3	8.0	9.4	9.9	92.7

Note: Landings include non-trawl, non-IFQ fixed-gears for limited entry and open access sectors.

Data are preliminary and mortality estimates do not include discard mortality.

0.0 indicates trace mortality; a dash (-) indicates no mortality.

a)Blackgill rockfish landings include both IFQ and non-IFQ sectors.

b)Does not include black rockfish mortality estimates.

c) Applies only between 40°10' N lat. and 42° N lat.

Table 3. Estimated mortality (mt) of select groundfish species in California during 2017 compared to corresponding 2017 harvest specifications.

	Reference point description	Estimated mortality (mt)	Management reference points	
			ACL/HG (mt)	% of ACL/HG
Overfished Stocks				
Bocaccio	HG (rec)	125.6	326.1	39%
Cowcod	Non-Trawl Alloc.	0.8	2.6	31%
Yelloweye rockfish	HG (rec)	4.5	3.9	115%
Non-Overfished Stocks				
Black rockfish	ACL	153.6	332	46%
Blackgill rockfish S 40°10' N lat. ^a	HG	51.8	120.2	43%
Blue rockfish	HG (statewide)	203	304.6	67%
Cabazon	ACL	54.6	149	37%
California scorpionfish ^b	ACL	83.3	111	75%
Canary rockfish	HG (rec)	88.1	135	65%
Greenlings	c	16	55.3	29%
Lingcod S 40° 10' N lat.	Non-Trawl Alloc.	509.4	683.1	75%
Nearshore rockfish N 40°10' N lat. ^{d, e}	HG	25.2	40.2	63%
Nearshore rockfish S 40°10' N lat. ^e	ACL	714.4	1,159	62%

a) Includes IFQ landings.

b) The recreational fishery for California scorpionfish closed on September 1.

c) Reference point denotes ACL contribution to Other Fish complex.

d) Applies only between 40°10' N lat. and 42° N lat.

e) Does not include black rockfish mortality estimates.

Table 4. Estimated mortality (mt) of select groundfish species in the California recreational sector by month, 2018.

Species	Jan	Feb	Mar	Total^a
BOCACCIO	-	0.0	7.6	7.6
COWCOD	0.0	-	-	0.0
YELLOWEYE ROCKFISH	-	-	0.0	0.0
Black Rockfish	0.1	-	0.2	0.3
Blackgill Rockfish S 40°10'N lat.	-	-	-	-
Blue Rockfish	0.0	0.0	4.7	4.7
Cabazon	0.2	0.0	0.2	0.4
CA Scorpionfish	4.7	5.4	2.7	12.9
Canary Rockfish	-	-	0.0	0.0
Greenlings	0.1	0.0	0.3	0.4
Lingcod S 40°10' N lat.	0.4	0.3	1.4	2.1
Nearshore RF N 40°10' N lat. ^b	0.0	-	0.0	0.0
Nearshore RF S 40°10' N lat. ^b	0.5	0.3	19.3	20.0

Note: 0.0 indicates trace mortality; a dash (-) indicates no mortality

Data are preliminary

a\ Discrepancies in the total are due to rounding

b\ Does not include black rockfish mortality estimates.

Table 5. Estimated mortality (mt) of select groundfish species in the California commercial sectors by month, 2018.

Species	Jan	Feb	Mar	Apr	May	Total ^a
BOCACCIO	0.9	0.8	0.2	-	-	1.9
COWCOD	-	-	-	-	-	0.0
YELLOWEYE ROCKFISH	-	-	-	-	-	0.0
Black Rockfish	1.5	0.4	0.6	0.6	-	3.1
Blackgill Rockfish S 40°10' N lat. ^b	3.5	0.6	1.8	0.4	-	6.3
Blue Rockfish	0.5	1.0	0.6	-	0.0	2.1
Cabezon	1.8	1.7	-	-	0.1	3.6
CA Scorpionfish	0.1	0.1	-	-	-	0.2
Canary Rockfish	0.3	0.3	0.1	0.0	-	0.7
Greenlings	0.3	0.2	-	-	0.0	0.5
Lingcod S 40°10' N lat.	1.7	2.1	0.0	0.0	0.0	3.8
Nearshore RF N 40°10' N lat. ^{c,d}	0.2	0.3	0.6	0.0	-	1.1
Nearshore RF S 40°10' N lat. ^c	4.4	8.5	-	-	0.2	13.1

Note: Landings include non-trawl, non-IFQ fixed-gears for limited entry and open access sectors. Data are preliminary and mortality estimates do not include discard mortality. 0.0 indicates trace mortality; a dash (-) indicates no mortality.
a) Discrepancies in the total are due to rounding
b) Blackgill rockfish landings include both IFQ and non-IFQ sectors.
c) Does not include black rockfish mortality estimates.
d) Applies only between 40°10' N lat. and 42° N lat.

Table 6. Estimated mortality (mt) of select groundfish species in California during 2018 compared to corresponding 2018 harvest specifications.

	Reference point description	Estimated mortality (mt)	Management reference points	
			ACL/HG (mt)	% of ACL/HG
Overfished Stocks				
Bocaccio	HG (rec)	7.6	305.5	2%
Cowcod	Non-Trawl Alloc.	0	2.6	0%
Yelloweye rockfish	HG (rec)	0	3.9	0%
Non-Overfished Stocks				
Black rockfish	ACL	3.4	331	1%
Blackgill rockfish S 40°10' N lat. ^a	HG	6.3	120.2	5%
Blue rockfish	HG (statewide)	6.8	311.1	2%
Cabazon	ACL	4.0	150	3%
California scorpionfish ^b	ACL	13.1	150	9%
Canary rockfish	HG (rec)	0	135	0%
Greenlings	c	0.9	55.3	2%
Lingcod S 40° 10' N lat.	Non-Trawl Alloc.	5.9	624.3	1%
Nearshore rockfish N 40°10' N lat. ^{d, e}	HG	1.1	40.2	3%
Nearshore rockfish S 40°10' N lat. ^e	ACL	33.10	1,179	3%

a) Includes IFQ landings.

b) The recreational fishery for California scorpionfish closes on September 1.

c) Reference point denotes ACL contribution to Other Fish complex

d) Applies only between 40°10' N lat. and 42° N lat.

e) Does not include black rockfish mortality estimates.