

**1. Management performance:**

Overfishing did not occur during 2014/15; the estimated total catch did not exceed the Tier 5 OFL of 0.12-million lb (56 t). The total catch did not exceed the ABC established for 2014/15 (0.7-million lb, or 34 t). The OFL and ABC values for 2015/16 in the tables below are the values recommended by the SSC in June 2015.

Year	MSST	Biomass (MMB)	TAC	Retained Catch <sup>a</sup>	Total Catch <sup>a,b</sup>	OFL <sup>a</sup>	ABC <sup>a</sup>
2011/12	N/A	N/A	Closed	0	0.002	0.12	0.03
2012/13	N/A	N/A	Closed	0	<0.001	0.12	0.07
2013/14	N/A	N/A	Closed	0	<0.001	0.12	0.07
2014/15	N/A	N/A	Closed	0	<0.001	0.12	0.07
2015/16	N/A	N/A	Closed			0.12	0.07

a. Millions of lb.

b. Includes bycatch mortality of discarded bycatch.

Year	MSST	Biomass (MMB)	TAC	Retained Catch <sup>a</sup>	Total Catch <sup>a,b</sup>	OFL <sup>a</sup>	ABC <sup>a</sup>
2011/12	N/A	N/A	Closed	0	1	56	12
2012/13	N/A	N/A	Closed	0	<1	56	34
2013/14	N/A	N/A	Closed	0	<1	56	34
2014/15	N/A	N/A	Closed	0	<1	56	34
2015/16	N/A	N/A	Closed			54	32

a. t.

b. Includes bycatch mortality of discarded bycatch.

Table 1. Aleutian Islands, Area O, red king crab commercial fishery data, 1960/61–2014/15, partitioned into the Adak Area (west of 172° W longitude prior to 1984/85 and west of 171° W longitude since 1984/85) and the Dutch Harbor Area (from 2014 Crab SAFE, updated for the 2014/15 season).

Season	Location	Number of				GHL/TAC <sup>b</sup>	Harvest <sup>a,c</sup>	Deadloss <sup>c</sup>	Average		
		Vessels	Landings	Crab <sup>d</sup>	Pots lifted				Weight <sup>e</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>
1960/61	East of 172° W	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	West of 172° W	4	41	NA	NA	2,074,000	NA	NA	NA	NA	
	<b>TOTAL</b>										
1961/62	East of 172° W	4	69	NA	NA	533,000	NA	NA	NA	NA	
	West of 172° W	8	218	NA	NA	6,114,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>287</b>			<b>6,647,000</b>					
1962/63	East of 172° W	6	102	NA	NA	1,536,000	NA	NA	NA	NA	
	West of 172° W	9	248	NA	NA	8,006,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>350</b>			<b>9,542,000</b>					
1963/64	East of 172° W	4	242	NA	NA	3,893,000	NA	NA	NA	NA	
	West of 172° W	11	527	NA	NA	17,904,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>769</b>			<b>21,797,000</b>					
1964/65	East of 172° W	12	336	NA	NA	13,761,000	NA	NA	NA	NA	
	West of 172° W	18	442	NA	NA	21,193,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>778</b>			<b>34,954,000</b>					
1965/66	East of 172° W	21	555	NA	NA	19,196,000	NA	NA	NA	NA	
	West of 172° W	10	431	NA	NA	12,915,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>986</b>			<b>32,111,000</b>					
1966/67	East of 172° W	27	893	NA	NA	32,852,000	NA	NA	NA	NA	
	West of 172° W	10	90	NA	NA	5,883,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>983</b>			<b>38,735,000</b>					
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Season	Location	Number of				GHL/TAC <sup>b</sup>	Harvest <sup>a,c</sup>	Deadloss <sup>c</sup>	Average		
		Vessels	Landings	Crab <sup>d</sup>	Pots lifted				Weight <sup>e</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>
1967/68	East of 172° W	34	747	NA	NA	22,709,000	NA	NA	NA	NA	
	West of 172° W	22	505	NA	NA	14,131,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>1,252</b>			<b>36,840,000</b>					
1968/69	East of 172° W	NA	NA	NA	NA	11,300,000	NA	NA	NA	NA	
	West of 172° W	30	NA	NA	NA	16,100,000	NA	NA	NA	NA	
	<b>TOTAL</b>					<b>27,400,000</b>					
1969/70	East of 172° W	41	375	NA	72,683	8,950,000	NA	NA	NA	NA	
	West of 172° W	33	435	NA	115,929	18,016,000	NA	6.5	NA	NA	
	<b>TOTAL</b>		<b>810</b>		<b>188,612</b>	<b>26,966,000</b>					
1970/71	East of 172° W	32	268	NA	56,198	9,652,000	NA	NA	NA	NA	
	West of 172° W	35	378	NA	124,235	16,057,000	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>646</b>		<b>180,433</b>	<b>25,709,000</b>					
1971/72	East of 172° W	32	210	1,447,692	31,531	9,391,615	NA	7	46	NA	
	West of 172° W	40	166	NA	46,011	15,475,940	NA	NA	NA	NA	
	<b>TOTAL</b>		<b>376</b>		<b>77,542</b>	<b>24,867,555</b>					
1972/73	East of 172° W	51	291	1,500,904	34,037	10,450,380		7	44		
	West of 172° W	43	313	3,461,025	81,133	18,724,140	NA	5.4	43	NA	
	<b>TOTAL</b>		<b>604</b>	<b>4,961,929</b>	<b>115,170</b>	<b>29,174,520</b>		<b>5.9</b>	<b>43</b>		
1973/74	East of 172° W	56	290	1,780,673	41,840	10.0 <sup>f</sup> 12,722,660	NA	7.1	43	NA	
	West of 172° W	41	239	1,844,974	70,059	20.0 <sup>f</sup> 9,741,464	NA	5.3	26	148.6	
	<b>TOTAL</b>		<b>529</b>	<b>3,625,647</b>	<b>111,899</b>	<b>22,464,124</b>		<b>6.2</b>	<b>32</b>		

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Season	Locale	Number of				Harvest <sup>b,c</sup>	Average			Deadloss <sup>c</sup>
		Vessels <sup>a</sup>	Landings	Crabs <sup>b</sup>	Pots Lifted		Weight <sup>c</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>	
1974/75	East of 172° W	87	372	1,812,647	71,821	13,991,190	7.7	25		
	West of 172° W	36	97	532,298	32,620	2,774,963	5.2	16	148.6	NA
	<b>TOTAL</b>		<b>469</b>	<b>2,344,945</b>	<b>104,441</b>	<b>16,766,153</b>	<b>7.1</b>	<b>22</b>		
1975/76	East of 172° W	79	369	2,147,350	86,874	15,906,660	7.4	25		
	West of 172° W	20	25	79,977	8,331	411,583	5.2	10	147.2	NA
	<b>TOTAL</b>		<b>394</b>	<b>2,227,327</b>	<b>95,205</b>	<b>16,318,243</b>	<b>7.3</b>	<b>23</b>		
1976/77	East of 172° W	72	226	1,273,298	65,796	9,367,965 <sup>f</sup>	7.4	19		
	East of 172° W	38	61	86,619	17,298	830,458 <sup>g</sup>	9.6	5	NA	NA
	West of 172° W	F I S H E R Y C L O S E D								
	<b>TOTAL</b>		<b>287</b>	<b>1,359,917</b>	<b>83,094</b>	<b>10,198,423</b>	<b>7.5</b>	<b>16</b>		
1977/78	East of 172° W	33	227	539,656	46,617	3,658,860 <sup>f</sup>	6.8	12		
	East of 172° W	6	7	3,096	812	25,557 <sup>h</sup>	8.3	4	NA	NA
	West of 172° W	12	18	160,343	7,269	905,527	5.7	22	152.2	NA
	<b>TOTAL</b>		<b>252</b>	<b>703,095</b>	<b>54,698</b>	<b>4,589,944</b>	<b>6.5</b>	<b>13</b>		
1978/79	East of 172° W	60	300	1,233,758	51,783	6,824,793	5.5	24	NA	NA
	West of 172° W	13	27	149,491	13,948	807,195	5.4	11	NA	1,170
	<b>TOTAL</b>		<b>327</b>	<b>1,383,249</b>	<b>65,731</b>	<b>7,631,988</b>	<b>5.5</b>	<b>21</b>		
1979/80	East of 172° W	104	542	2,551,116	120,554	15,010,840	5.9	21	NA	NA
	West of 172° W	18	23	82,250	9,757	467,229	5.7	8	152	24,850
	<b>TOTAL</b>		<b>565</b>	<b>2,633,366</b>	<b>130,311</b>	<b>15,478,069</b>	<b>5.9</b>	<b>20</b>		

Season	Location	Number of				GHL/TAC <sup>b</sup>	Harvest <sup>a,c</sup>	Deadloss <sup>c</sup>	Average		
		Vessels	Landings	Crab <sup>a</sup>	Pots lifted				Weight <sup>c</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>
1980/81	East of 172° W <sup>h</sup>	114	830	2,772,287	231,607		17,660,620	NA	6.4	12	NA
	East of 172° W <sup>i</sup>	54	120	182,349	30,000	7.0 - 17.0 <sup>f</sup>	1,392,923		7.6	6	
	West of 172° W	17	52	254,390	20,914	0.5 - 3.0	1,419,513	54,360	5.6	12	149
	<b>TOTAL</b>		<b>1,002</b>	<b>3,209,026</b>	<b>282,521</b>		<b>20,473,056</b>		<b>6.4</b>	<b>11</b>	
1981/82	East of 172° W	92	683	741,966	220,087	7.0 - 17.0 <sup>f</sup>	5,155,345	NA	6.9	3	NA
	West of 172° W	46	106	291,311	40,697	0.5 - 3.0	1,648,926	8,759	5.7	7	148.3
	<b>TOTAL</b>		<b>789</b>	<b>1,033,277</b>	<b>260,784</b>		<b>6,804,271</b>		<b>6.6</b>	<b>4</b>	
1982/83	East of 172° W	81	278	64,380	72,924	2.0 - 3.0 <sup>j</sup>	431,179		6.7	1	
	West of 172° W	72	191	284,787	66,893	0.5 - 3.0	1,701,818	7,855	6.0	4	150.8
	<b>TOTAL</b>		<b>469</b>	<b>349,167</b>	<b>139,817</b>		<b>2,132,997</b>		<b>6.1</b>	<b>3</b>	
1983/84	East of 172° W	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
	West of 172° W	106	248	298,958	60,840	0.5 - 3.0	1,981,579	3,833	6.6	5	157.3
1984/85	East of 171° W	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
	West of 171° W	64	106	196,276	48,642	1.5 - 3.0	1,296,385	0	6.6	4	155.1
1985/86	East of 171° W	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
	West of 171° W	35	82	156,097	29,095	0.5 - 2.0	868,828	0	5.6	5	152.2
1986/87	East of 171° W	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
	West of 171° W	33	69	126,204	29,189	0.5 - 1.5	712,543	800	5.7	4	NA
1987/88	East of 171° W	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
	West of 171° W	71	103	211,692	43,433	0.5 - 1.5	1,213,892	6,900	5.7	5	148.5

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Season	Locale	Number of				Harvest <sup>b,c</sup>	Average			Deadloss <sup>c</sup>	
		Vessels <sup>a</sup>	Landings	Crabs <sup>b</sup>	Pots Lifted		Weight <sup>c</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>		
1988/89	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		73	156	266,053	64,334	1,567,314	5.9	4	153.1	557	
1989/90	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		56	123	193,177	54,213	1,105,971	5.7	4	151.5	759	
1990/91	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		7	34	146,903	10,674	828,105	5.6	14	148.1	0	
1991/92	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		10	35	165,356	16,636	951,278	5.8	10	149.8	0	
1992/93	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		12	30	218,049	16,129	1,286,424	6.0	14	151.5	5,000	
1993/94	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		12	21	119,330	13,575	698,077	5.9	9	154.6	7,402	
1994/95	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		20	31	30,337	18,146	196,967	6.5	2	157.5	1,430	
1995/96	East of 171° W West of 171° W	F I S H E R Y C L O S E D									
		4	12	6,880	1,986	38,941	5.7	3	153.6	235	
1996/97		F I S H E R Y C L O S E D									
1997/98		F I S H E R Y C L O S E D									

  

Season	Location	Number of				GHL/TAC <sup>b</sup>	Harvest <sup>a,c</sup>	Deadloss <sup>c</sup>	Average		
		Vessels	Landings	Crab <sup>a</sup>	Pots lifted				Weight <sup>c</sup>	CPUE <sup>d</sup>	Length <sup>e</sup>
1998/99	West of 174° W	1	CF	CF	CF	0.015	CF	CF	CF	CF	CF
1999/00		FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
2000/01 <sup>k</sup>	Petrel Bank <sup>l</sup>	1	3	11,299	496	FC	76,562	0	6.8	23	161.0
2001/02 <sup>m</sup>	Petrel Bank <sup>l</sup>	4	5	22,080	564	FC	153,961	82	7.0	39	159.5
2002/03	Petrel Bank <sup>l</sup>	33	35	68,300	3,786	0.5	505,642	1,311	7.4	18	162.4
2003/04	Petrel Bank <sup>l</sup>	30	31	59,828	5,774	0.5	479,113	2,617	8.0	10	167.9
2004/05 - 2010/11		FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
2011/12–2014/15		FC	FC	FC	FC	FC	FC	FC	FC	FC	FC

Note: NA = Not available.

<sup>a</sup> Many vessels fished both east and west of 171° W long., thus total number of vessels reflects registrations for entire Aleutian Islands.

<sup>b</sup> Deadloss included.

<sup>c</sup> In lb.

<sup>d</sup> Number of legal crab per pot lift.

<sup>e</sup> Carapace length in millimeters.

<sup>f</sup> Split season based on 6.5 inch minimum legal size.

<sup>g</sup> Split season based on 8 inch minimum legal size.

<sup>h</sup> Split season based on 7.5 inch minimum legal size.

<sup>i</sup> January/February 2001 Petrel Bank survey (fish ticket harvest code 15, exploratory shellfish harvest).

<sup>j</sup> Those waters of king crab Registration Area O between 179° E long., 179° W long., and north of 51° 45' N lat.

<sup>k</sup> November 2001 Petrel Bank survey (fish ticket harvest code 15, exploratory shellfish harvest).

<sup>m</sup> November Petrel Bank survey (fish ticket harvest code 15, exploratory shellfish harvest).

Table 3. Retained catch (lb) of Western Aleutian Islands red king crab, with the estimated non-retained catch (lb; not discounted for an assumed bycatch mortality rate) and components of non-retained catch (legal males, non-retained sublegal males, and females during commercial crab fisheries by season, 1995/96–2014/15; updated for 2014/15 from 2014 SAFE).

Season	WAI red king crab fishery				AI golden king crab fishery			Total non-retained
	Retained	Non-retained			Legal male	Sublegal male	Female	
	legal male	Legal male	Sublegal male	Female				
1995/96	38,941	0	20,669	27,624	0	2,047	314	50,654
1996/97	0	0	0	0	3,292	2,024	666	5,982
1997/98	0	0	0	0	178	579	179	936
1998/99 <sup>a</sup>	5,900	-	-	-	747	138	186	-
1999/00	0	0	0	0	161	756	93	1,010
2000/01	76,562	0	771	374	365	274	35	1,819
2001/02	153,961	174	6,574	8,369	19,995	0	364	35,476
2002/03	505,642	1,658	6,027	17,432	21,738	355	512	47,722
2003/04	479,113	631	6,597	7,962	9,425	6,352	6,686	37,653
2004/05	0	0	0	0	2,143	210	0	2,353
2005/06	0	0	0	0	189	0	49	239
2006/07	0	0	0	0	323	117	50	491
2007/08	0	0	0	0	615	1,819	561	2,995
2008/09	0	0	0	0	220	20	97	337
2009/10	0	0	0	0	574	249	43	866
2010/11	0	0	0	0	4,312	167	82	4,561
2011/12	0	0	0	0	958	29	92	1,079
2012/13	0	0	0	0	871	75	35	980
2013/14	0	0	0	0	2,945	102	172	3,219
2014/15	0	0	0	0	528	27	62	617
Average	63,006	130	2,139	3,251	3,479	767	514	10,473

<sup>a</sup> Data on non-retained bycatch of red king crab during the red king crab fishery not available (see Moore et al. 2000).

Table 4. Estimated annual weight (lb) of discarded bycatch of red king crab (all sizes, males and females) and of bycatch mortality (lb) during federal groundfish fisheries by gear type (fixed or trawl), 1993/94–2014/15 (assumes bycatch mortality rate of 0.5 for fixed-gear fisheries and 0.8 for trawl fisheries; updated for 2014/15 from 2014 SAFE).

Season	Bycatch		Bycatch Mortality		Total
	Fixed Gear	Trawl Gear	Fixed Gear	Trawl Gear	
1993/94	1,312	88,384	656	70,707	71,363
1994/95	2,993	22,792	1,497	18,234	19,730
1995/96	5,804	15,289	2,902	12,231	15,133
1996/97	2,874	44,662	1,437	35,730	37,167
1997/98	3,819	11,717	1,910	9,374	11,283
1998/99	10,143	45,532	5,072	36,426	41,497
1999/00	37,765	27,973	18,883	22,378	41,261
2000/01	2,697	13,879	1,349	11,103	12,452
2001/02	5,340	59,552	2,670	47,642	50,312
2002/03	11,295	73,027	5,648	58,422	64,069
2003/04	3,577	9,151	1,789	7,321	9,109
2004/05	791	12,930	396	10,344	10,740
2005/06	3,546	2,359	1,773	1,887	3,660
2006/07	6,781	617	3,391	494	3,884
2007/08	16,971	2,630	8,486	2,104	10,590
2008/09	10,778	10,290	5,389	8,232	13,621
2009/10	315	14,104	158	11,283	11,441
2010/11	92	4,381	46	3,504	3,551
2011/12	2,632	1,801	1,316	901	2,216
2012/13	20	523	10	418	428
2013/14	29	93	14	75	89
2014/15	4	250	2	200	202
Average	6,170	21,985	3,085	17,562	20,647

Table 5. Estimated lb of bycatch (not discounted by an assumed bycatch mortality) of red king crab during federal groundfish fisheries (all gear types combined) by NMFS Reporting Area, 1993/94–2014/15; updated for 2014/15 from 2014 SAFE.

Season	Reporting Area			Total
	541	542	543	
1993/94	83,752	5,862	82	89,696
1994/95	23,637	1,922	226	25,785
1995/96	13,122	4,056	3,916	21,094
1996/97	4,294	6,810	36,433	47,537
1997/98	2,218	8,739	4,579	15,536
1998/99	14,892	15,798	24,986	55,676
1999/00	36,027	17,755	11,955	65,738
2000/01	3,899	8,056	4,621	16,577
2001/02	7,661	52,986	4,244	64,891
2002/03	24,250	46,980	13,092	84,323
2003/04	4,915	7,778	36	12,728
2004/05	1,164	12,523	34	13,721
2005/06	3,540	87	2,278	5,905
2006/07	6,545	853	0	7,398
2007/08	11,295	6,708	1,598	19,601
2008/09	2,522	16,635	1,911	21,068
2009/10	3,686	8,278	2,455	14,419
2010/11	468	4,004	1	4,473
2011/12	1,933	2,499	0	4,433
2012/13	344	199	0	543
2013/14	0	96	26	122
2014/15	0	253	1	254
Average	11,371	10,404	5,112	26,887

Table 6. Estimated annual weight (lb) of total fishery mortality to Western Aleutian Islands red king crab, 1995/96–2014/15, partitioned by source of mortality: retained catch, bycatch mortality during crab fisheries, and bycatch mortality during groundfish fisheries; updated for 2014/15 from 2014 SAFE.

Season	Retained Catch	Bycatch Mortality by Fishery Type		Total Estimated Fishery mortality
		Crab	Groundfish	
1995/96	38,941	10,131	15,133	64,205
1996/97	0	1,196	37,167	38,363
1997/98	0	187	11,283	11,470
1998/99 <sup>a</sup>	5,900	1,535	41,497	48,931
1999/00	0	202	41,261	41,463
2000/01	76,562	364	12,452	89,378
2001/02	153,961	7,095	50,312	211,368
2002/03	505,642	9,544	64,069	579,256
2003/04	479,113	7,531	9,109	495,753
2004/05	0	471	10,740	11,210
2005/06	0	48	3,660	3,708
2006/07	0	98	3,884	3,982
2007/08	0	599	10,590	11,189
2008/09	0	67	13,621	13,688
2009/10	0	173	11,441	11,614
2010/11	0	912	3,551	4,463
2011/12	0	216	2,216	2,432
2012/13	0	196	428	624
2013/14	0	643	89	732
2014/15	0	272	202	474
Mean, 1995/96–2007/08	96,932	3,000	23,935	123,867
CV of mean	52%	37%	23%	43%
Mean, 1995/96–2014/15	63,006	2,074	17,135	82,215
CV of mean	54%	37%	24%	44%

a. No bycatch data was available from the 1998/99 directed fishery for red king crab (see Table 2); bycatch mortality due to the 1998/99 crab fisheries was estimated by multiplying the retained catch for the 1998/99 directed red king crab fishery by the ratio of the 1995/96 bycatch mortality in crab fisheries to the 1995/96 retained catch.