Economic Status Report Summary:
BSAI Crab Fisheries, 2015

This report provides a brief summary of key indicators of economic status and performance of BSAI crab fisheries for the 2010 through 2014 calendar year operations.[1] The Bering Sea/Aleutian Islands (BSAI) crab fisheries managed under the North Pacific Fishery Management Council's Fishery Management Plan (FMP) were prosecuted by an active fleet of 106 catcher vessels and two catcher processors during calendar year 2014, and landed and processed at 17 processing facilities throughout the region. Of the 11 crab fisheries managed under the FMP[2], nine were open to targeted fishing during 2014. The Bering Sea Tanner (BST) crab fisheries were closed for the 2010/11 and 2011/12 seasons, and reopened for targeted fishing for the 2013/14 and subsequent seasons[3], and the Saint Matthew blue king (SMB) crab fishery was closed for the 2013/14 season under the State of Alaska's management strategy and reopened for 2014/15. Pribilof Islands red and blue king, and Western Aleutian red king crab stocks are currently designated overfished and are closed, as detailed in the assessments for these stocks.

Fishery production and economic value

Harvest- and processing sector production statistics by crab fishery, including ex-vessel and first wholesale output, estimated revenue, and average prices are shown in Table 1 for calendar years 2010-2014 and summarized in Figure 1. Across all fisheries managed under the BSAI Crab FMP during 2014, the total volume of ex-vessel landings commercially sold to processors was 72.8 million pounds, and processing sector total finished production volume was 47.9 million pounds, declining by 14 and 10 percent respectively from the previous year. Average prices as reported in both sectors for most BSAI crab produced in 2014 declined for the third year from recent peak 2011 levels, with the result of total gross revenues aggregated over all fisheries declining in 2014: $225[4] million ex-vessel and $303 million first wholesale revenues, both declining 13% from the previous year.

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[1] A comprehensive presentation of statistical information and analysis regarding economic dimensions of the fishery evaluation is provided in the Economic Status Report for BSAI Crab, prepared annually as an appendix the Crab SAFE Report, and currently being updated for distribution in January, 2016 to incorporate data collected for the 2014 calendar year (the most recent period for which data is available). Note that results for the 2014 year are preliminary pending completion of data validation and additional analyses, and may be revised in the final update of the full Economic Status Report.

[2] For fisheries characterized by a small number of participating entities, individual statistics where indicated in Tables 1-2 are suppressed in this report due to confidentiality restrictions; this includes most values for the Pribilof Island golden king (PIG) crab fishery and the Norton Sound red king (NSR) crab fisheries, and summarized statistics for both Aleutian Islands golden king crab fisheries and both Bering Sea Tanner crab fisheries are reported in aggregate, respectively. Values that are indicated as suppressed in Tables 1-2 are also excluded from values reported in aggregate over all crab fisheries. Except where noted, the suppressed values are sufficiently small that they have minimal effect on the accuracy of information reported over all crab fisheries at the level of precision reported here.

[3] Although opened as of October, 2013, most activity in the reopened BST fisheries occurred during Spring of 2014.

[4] All monetary values are inflation-adjusted to 2014-equivalent dollar value.

As of 2014, allowable catch quantities in the six largest BSAI crab fisheries currently open to targeted fishing are fully exploited (> 98% of total allocation landed), with the smaller crab fisheries exceeding 80% of total allocation landed; recent inter-annual variation in commercial landings largely reflects the results of stock assessments and the State of Alaska's specified catch limits rather than changes in fishing capacity or exploitation rate. The decrease in aggregate production during 2014 noted above was driven largely by the 26 percent decrease in commercial landings in the Bering Sea snow crab (BSS) fishery compared to 2013, with 48.6 million pounds sold to processors. Ex-vessel sales of 9.87 million pounds in Bristol Bay red king (BBR) in 2014 increased 16% over 2013, and the BST fishery returned to full production in 2014 after reopening for the 2013/14 season, producing 8 million pounds of ex-vessel sales. Norton Sound red king crab (NSR) landings were 420 thousand pounds, and landings of 5.7 million pounds in Aleutian Islands golden king (AIG) crab fisheries declined from 5.8 million pounds the previous year (-2.6%).

Similar to ex-vessel production, the proportional decrease in processing sector output aggregated over all active crab fisheries was driven by the 32 million pounds of BSS finished production, declining by 26 percent in volume over the previous year. Finished volume in the BBR fishery of 6.7 million pounds reflects an increase of 16% in 2014, and AIG and NSR fisheries produced 3.6 million and 0.32 million pounds of finished volume, respectively, both slightly reduced from 2013 levels. Total 2014 finished volume in the BST fishery was 5.5 million pounds.

Ex-vessel and wholesale Alaska crab prices declined in all 2014 crab fisheries shown in Table 1. Average prices declined most sharply in red king crab fisheries; BBR ex-vessel price dropped 14 percent to $6.64 per landed pound, and first wholesale price dropped 16 percent to $11.94 per finished pound, with NSR ex-vessel and first wholesale prices decreasing to $5.27 (-15%) and $9.20 (-10%) per pound, respectively. Prices in the BST fishery declined to $2.39 ex-vessel (-10%) and $5.82 (-15%) first wholesale. More moderate declines occurred in snow crab prices, with $2.38 average ex-vessel (-4.8%) and $5.03 average first wholesale (-4%) per-pound. Golden king crab ex-vessel price decreased to $4.06 (-7%), and first wholesale to $7.96 (-11%) per-pound.

The third year of decline in both market price and production volume in the BSS fishery reduced gross revenue by 29 percent compared to 2013, to $116 million in the harvest sector and $160 million in the processing sector. Earnings were more stable in the BBR fishery, with ex-vessel revenue of $65 million and wholesale revenue of $80 million only slightly less than 2013. Estimated revenues in the AIG fisheries declined to $23 million ex-vessel (-9%) and $29 million wholesale (-13%). The reopened BST fishery produced gross revenue of $19 million ex-vessel and $32 million wholesale, and the NSR fishery produced gross ex-vessel revenue of $2.2 million (-20%), and $3 million at first wholesale (-16%). The proportional inter-annual variation in gross revenue from 2013 to 2014 was somewhat less than the average degree of variation over the last 15 years in the historically volatile crab fisheries; longer time series for these and other measures of crab fishery performance are available in the full BSAI Crab Economic Status Report

Employment and Income

A summary of selected indicators from the most recent employment data available for Crab Rationalization (CR) program fisheries (including CDQ and ADAK allocation components of these fisheries) is provided in Table 2[5]. The number of distinct vessels operating in one or more of the CR fisheries in 2014 declined from 81 to 74. The AIG fisheries together had one fewer vessel active during 2014 and the BSS fishery had two fewer vessels active during 2014, while 106 additional vessels fished in the BST fishery during 2014 than in the pervious year. Based on the average (mean) number of crew onboard (as reported in eLandings catch accounting records for crab vessels), there were an estimated 1191 crew positions across all 74 vessels and CR fisheries in 2014[6].

Revenue-share payments to crab vessel crew members as a group totaled approximately $31 million in 2014, with an additional $14 million paid to vessel captains[7]. Over both groups, incomes declined by 14 percent in 2014, reflecting the overall decrease in ex-vessel revenue described above. Aggregate crew and captain earnings in the BSS fishery declined by 28 percent to $17.1 million and $7.8 million, respectively. On a median vessel basis, crew and captain pay in the BSS fishery were $236 thousand and $107 thousand respectively, with pay to captains decreasing from 2013 by 29 percent on average compared to 23 percent for crew. While aggregate crew and captain earnings in the AIG and BBR fisheries declined for 2014 (to $3.3. million and $1.4 million in AIG, respectively, and $7.6 million and $3.6 million in BBR), crew payments by the median vessel increased in both fisheries, to $702 million in AIG (+21%) and $104 million in BBR (+3%), while captain pay by the median vessel declined moderately in both fisheries.

Crab processing labor input at processing plants that received IFQ and CDQ crab landings in 2014 is estimated at nearly 843 thousand labor hours, 12 percent less than 2013, and with the number of active plants decreasing from 12 to nine. Aggregate processing labor income generated across all CR fisheries during 2014 was nearly $9 million, declining 16 percent from the previous year. The larger proportional drop in processing labor pay compared to labor hours reflects a downward trend in hourly processing wage rates across all fisheries, with median plant-level hourly wage rate declining from $11.92 in 2012 to $9.48 in 2014 for processors in the BBR fishery, with similar but more moderate changes indicated for other fisheries.

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[5] BSAI Crab Economic Data Report (EDR) data are collected for CR fisheries only. The NSR and Pribilof Island golden king (PIG) crab fisheries are managed by the State of Alaska under the FMP, but are not included in the CR program. Crab EDR data for calendar year 2014 are preliminary.

[6] Note that the aggregate count of vessels indicates the total number of distinct vessels, while the count of crew positions counts positions separately by fishery and vessel, such that individual crew members are counted more than once, The reopened BST fishery added 106 positions during 2014, which accounts for the increase in positions across all fisheries despite the reduced number of distinct vessels operating.

[7] In addition to revenue-share payments, income is derived by some crew and many captains from royalties for harvesting quota shares held by either the captain or crew. While this may become an increasingly important source of income as opportunities for investment in QS ownership are advanced, there is no evidence to-date that the proportion of CR fishery quota share pools held by crab crew members has changed in recent years, following a small amount of consolidation occurring during the initial years of the program (see NMFS Alaska Region, Restricted Access Management Program, Bering Sea and Aleutian Islands Crab Rationalization Program Report, Fishing Year 2011/12 for information on quota allocation and transfer activity, and other current CR program administration details).

IFQ Leasing

Table 3 shows aggregated results for CR program fishing quota lease volume (in pounds) and cost reported for crab vessels active in recent calendar year BBR and BSS fisheries,[8] by fishing quota type category, including total quantities summed over all reporting vessels, median vessel-level values for volume and cost of leased quota per vessel, and median lease price paid ($US per pound) and lease rate (lease price as percentage of ex-vessel price) per vessel. Harvest quota types are categorized as the following: catcher vessel owner (CVO) Class A IFQ; catcher vessel owner Class B IFQ and catcher/processor owner (CPO) IFQ; catcher vessel crew IFQ and catcher/processor crew IFQ, and community development quota (CDQ).

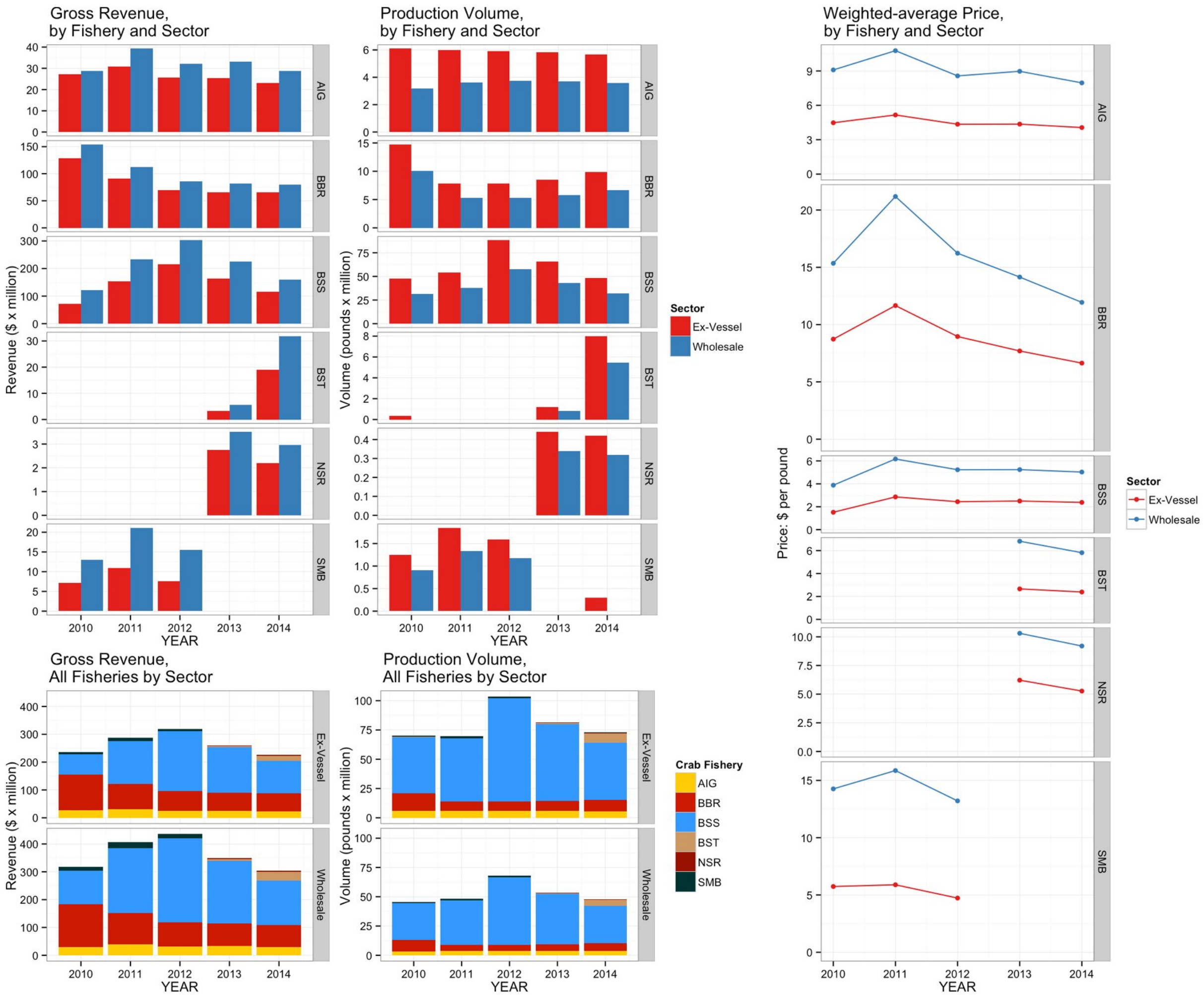
The number of vessels reporting quota leases in the 2014 BBR fishery range from 49 vessels leasing CVO Class A shares, to 7 vessels leasing CDQ shares (out of 63 crab vessels active during the 2013 BBR fishery), and from 53 vessels leasing CVO A Class BSS IFQ allocation to 10 vessels leasing CDQ allocation (out of 69 active vessels) in the BSS fishery. Total volume and cost over all vessels leasing the respective quota types during 2014 range from 4.99 million pounds and $21 million for BBR CVO Class A IFQ, to 215 thousand pounds and $942 thousand for BBR CVO and CPC crew IFQ allocation; BSS lease volume and cost ranged from 28.5 million pounds and $31 million for CVO A Class IFQ to 1.1 million pounds and $1.3 million for crew share IFQ allocation.

Median vessel-level values for 2014 BBR quota leased volume and cost ranged from 118 thousand pounds and $503 thousand per vessel for the seven vessels leasing BBR CDQ allocation, 89 thousand pounds and $373 thousand for BBR CVO-A shares, and 7 thousand pounds and $23 thousand for BBR CVO and CPO crew IFQ; BSS per-vessel averages ranged from 442 thousand pounds and $489 thousand per vessel for BSS CVO-A Class allocation to 29 thousand pounds and $38 thousand for BSS crew share allocation.

Median vessel-level lease prices and lease rates (see table footnote regarding calculation of lease rate) shown in Table 3 have remained quite stable over the three years for which data are available, varying slightly year-to year and by quota type within fishery, and with interannual variation in price per pound corresponding to changes in ex-vessel prices. In the 2014 BBR fishery, median lease price ranged from $4.32 per pound for BBR CVO A Class allocation (64% of ex-vessel value) to $4.46 per pound (65% of ex-vessel value) for CDQ allocation. Median lease price and rate in the 2014 BSS fishery ranged from $1.08 for CVO A Class IFQ (46% of ex-vessel value) to $1.23 per pound for BSS CDQ allocation (48% of ex-vessel).

[8] Note that CR crab fisheries are managed on a July-June seasonal calendar, i.e., 2012 calendar year fisheries include the 2011/2012 BSS season and 2012/2013 BBR season.

Figure 1: BSAI Crab Ex-vessel and First Wholesale Production, 2010-2014



Source: ADF&G fish tickets, eLandings, CFEC pricing, ADF&G Commercial Operator's Annual Report, NMFS AFSC BSAI Crab Economic Data Report (EDR) database. See Table 1 footnotes for details.

(a) Revenue, (b) Volume, and (c) Weighted Average Price, 2010-2014; gross revenue and production volume by sector are presented in the upper pair of panels by individual crab fishery for comparison of within-fishery variation over time, and summarized over all fisheries in the lower panels to illustrate the variation in aggregate values and relative contribution of each fishery over time. Figure does not display information for PIG fishery due to confidentiality. See Table 1 footnotes for data sources and details.

Table 1: BSAI crab harvest and processing sector output - production volume, gross revenue, and average price, 2010-2014

	Harvest Sector: Ex-Vessel Statistics [a]						Processing Sector: First Wholesale Statistics [b]					
Fishery: Year	**Vessels**	**CFEC permits**	**Landed volume** 1000 *mt*	million lbs	**Gross revenue** $million	**Average price** $/lb	**Plants**	**Buyers**	**Finished volume** 1000 *mt*	million lbs	**Gross revenue** $million	**Average price** $/lb
Total - All BSAI crab fisheries [d]												
2010	102	232	31.88	70.29	$236	$3.36	19	24	20.65	45.53	$318	$6.98
2011	102	235	31.61	69.68	$287	$4.12	18	27	21.85	48.17	$407	$8.44
2012	113	284	46.97	103.55	$319	$3.08	20	26	30.84	68	$436	$6.41
2013	115	238	36.95	81.45	$261	$3.20	22	29	24.27	53.5	$348	$6.51
2014	108	253	33.04	72.84	$225	$3.09	17	24	21.72	47.89	$303	$6.33
Aleutian Islands golden king - Eastern and Western (AIG)												
2010	5	13	2.76	6.09	$27	$4.48	5	9	1.44	3.17	$29	$9.09
2011	5	13	2.72	6	$31	$5.16	7	14	1.65	3.64	$39	$10.77
2012	6	14	2.69	5.92	$26	$4.35	8	14	1.71	3.76	$32	$8.57
2013	6	14	2.64	5.81	$25	$4.36	7	13	1.67	3.69	$33	$8.97
2014	5	11	2.57	5.66	$23	$4.06	5	11	1.63	3.6	$29	$7.96
Bristol Bay red king (BBR)												
2010	65	79	6.68	14.73	$129	$8.73	14	17	4.55	10.03	$154	$15.35
2011	62	71	3.53	7.79	$91	$11.66	14	18	2.41	5.3	$112	$21.18
2012	64	74	3.54	7.8	$70	$8.96	12	17	2.39	5.27	$86	$16.23
2013	63	73	3.86	8.52	$66	$7.70	11	17	2.61	5.75	$81	$14.15
2014	63	72	4.48	9.87	$65	$6.64	9	17	3.02	6.66	$80	$11.94
Bering Sea snow (BSS)												
2010	68	87	21.7	47.84	$73	$1.52	11	13	14.25	31.41	$122	$3.88
2011	68	88	24.52	54.05	$154	$2.86	14	16	17.18	37.89	$234	$6.17
2012	72	109	40.02	88.23	$216	$2.44	13	16	26.21	57.79	$302	$5.23
2013	71	90	29.7	65.49	$164	$2.50	12	15	19.46	42.9	$225	$5.24
2014	69	90	22.04	48.59	$116	$2.38	10	13	14.44	31.83	$160	$5.03

Source: ADF&G fish tickets, eLandings, CFEC pricing, ADF&G Commercial Operator's Annual Report, NMFS AFSC BSAI Crab Economic Data Report (EDR) database. Data shown for all BSAI crab fisheries by calendar year. All dollar values are adjusted for inflation to 2014-equivalent value. Information suppressed for confidentiality where indicated by "--"

[a] Except where noted, ex-vessel results reflect total commercial sales volume and value across all management programs (LLP/open access, IFQ, CDQ, ACA), inclusive of all harvest sector production (CV, CP, and catcher-sellers); ex-vessel value of CP and catcher-seller landings incorporated in revenue total by approximation using average CV ex-vessel sale price; ex-vessel average price results are sourced from CV sector EDR data where available (2010-2014 for CR program fisheries) and secondarily from CFEC gross earnings estimates (2013 for CR fisheries; all years for non-CR fisheries).

Table 1: (continued)

Fishery: Year	Vessels	CFEC permits	Harvest Sector: Ex-Vessel Statistics [a] Landed volume 1000 *mt*	million lbs	Gross revenue $million	Average price $/lb	Processing Sector: First Wholesale Statistics [b] Plants	Buyers[c]	Finished volume 1000 *mt*	million lbs	Gross revenue $million	Average price $/lb
Bering Sea Tanner (BST)[d]												
2009	18	24	0.97	2.14	$4.91	$2.30	10	11	0.63	1.39	6.19	4.46
2010	4	5	0.17	0.37	--	--	7	7	--	--	--	--
2011-2012						CLOSED						
2013	22	26	0.54	1.19	$3	$2.66	9	13	0.37	0.82	$6	$6.82
2014	38	50	3.63	8	$19	$2.39	9	13	2.48	5.47	$32	$5.82
Norton Sound red king (NSR) [e]												
2010	24	37	--	--	--	--	2	3	--	--	--	--
2011	25	38	--	--	--	--	2	2	--	--	--	--
2012	30	64	--	--	--	--	3	3	--	--	--	--
2013	34	52	0.2	0.44	$3	$6.22	5	5	0.15	0.34	$4	$10.31
2014	34	65	0.19	0.42	$2	$5.27	4	4	0.15	0.32	$3	$9.20
Pribilof Island golden king (PIG)												
2010	1	1	--	--	--	--	2	2	--	--	--	--
2011	2	2	--	--	--	--	1	1	--	--	--	--
2012	1	1	--	--	--	--	1	1	--	--	--	--
2013	1	1	--	--	--	--	1	1	--	--	--	--
2014	1	1	--	--	--	--	1	1	--	--	--	--
Saint Matthew blue king (SMB)												
2010	11	14	0.57	1.25	$7	$5.74	5	9	0.41	0.91	$13	$14.26
2011	18	23	0.84	1.85	$11	$5.89	6	11	0.6	1.33	$21	$15.86
2012	17	22	0.72	1.59	$8	$4.73	6	11	0.53	1.18	$16	$13.21
2013						CLOSED						
2014	4	5	0.14	0.3	--	--	1	6	--	--	--	--

[b] Counts of buyers include CPs landing and processing their own crab, but exclude catcher sellers (NSR fishery only); processing sector results inclusive of all CP and shoreside processor output; finished volume sourced from crab processor EDR production reports where available (2010-2011), or eLandings ex-vessel sales volume adjusted by average product recovery rate (PRR) by fishery (2012-2014). Wholesale price results are sourced from crab processor EDR gross earnings reports where available (2010-2011) and secondarily from COAR gross earnings estimates (2012-2014); gross wholesale revenue estimates are derived from price and volume sourced or estimated as described.

[c] Statistics reported for “All BSAI Fisheries” reflect information aggregated over all FMP crab fisheries, excluding fishery-level confidential information suppressed where indicated by “-- “.

[d] Landings and ex-vessel revenue suppressed in years where CDQ fishery landings are confidential.

[e] Data for Norton Sound red king crab are aggregated over the summer and winter commercial fisheries.

Table 2: CR program fisheries crew and processing sector employment and earnings, 2010-2014

		Crab Crew Employment and Earnings						Crab Processing Employment and Earnings					
		Crew positions		Crew share		Captain share		Processing labor hours			Processing labor payment		
Fishery: Year [b]	Vessels	Total	Vessel mean	Total $million	Vessel median $1000	Total $million	Vessel median $1000	Plants	Total 1000 hrs[d]	Plant median 1000 hrs	Total $million	Plant median $1000	Median $/hour[e]
All CR Program Fisheries [e,g]													
2010	79	964		$29.75		$14.26		15	771.12		$9.28		
2011	77	1014		$38.91		$18.05		16	724.96		$9.42		
2012	83	1081		$43.17		$19.79		13	1261.9		$15.97		
2013	81	1099		$35.94		$16.53		12	955.77		$10.74		
2014	74	1191		$30.95		$14.24		9	842.63		$8.99		
Aleutian Islands golden king - Eastern and Western (AIG) [f,g]													
2010	5	35	7	$3.57	$720.32	$2.03	$310.73	3	--	--	--	--	--
2011	5	36	7.2	$4.31	$730.88	$2.35	$388.79	6	48.97	4.79	$1.23	$83.42	$11.09
2012	6	46	7.67	$3.83	$698.25	$1.97	$349.81	7	53.16	2.6	$1.22	$65.46	$11.25
2013	6	44	7.33	$3.59	$578.94	$1.63	$295.48	6	61.09	5.96	$0.66	$66.46	$10.76
2014	5	35	7	$3.25	$702.44	$1.41	$292.22	4	--	--	--	--	--
Bristol Bay red king (BBR) [g]													
2010	65	422	6.48	$14.69	$217.73	$7.00	$112.60	11	211.56	20.09	$2.69	$217.91	$11.16
2011	62	413	6.66	$11.59	$168.25	$5.38	$91.51	12	104.38	6.71	$1.35	$81.54	$11.28
2012	64	428	6.68	$8.81	$112.00	$3.97	$59.61	10	100.36	6.51	$1.30	$74.49	$11.92
2013	63	418	6.63	$8.09	$101.27	$3.85	$57.02	8	103.96	10	$1.28	$101.13	$10.82
2014	63	422	6.7	$7.58	$104.78	$3.64	$52.50	7	129.98	21.07	$1.41	$76.19	$9.48
Bering Sea snow (BSS) [g]													
2010	68	444	6.53	$10.47	$138.53	$4.70	$66.28	9	534.17	50.9	$6.33	$418.09	$11.38
2011	68	453	6.66	$21.62	$305.06	$9.68	$141.56	12	554.86	45.69	$6.67	$386.73	$11.45
2012	72	502	6.97	$29.59	$410.24	$13.42	$192.62	11	1087.26	77.94	$13.19	$672.78	$11.44
2013	71	481	6.77	$23.78	$305.95	$10.82	$152.66	10	774.12	63.55	$8.63	$520.28	$10.84
2014	69	472	6.84	$17.11	$235.85	$7.79	$106.90	8	590.39	76.01	$6.35	$459.07	$10.64

Table 2: (continued)

	Crab Crew Employment and Earnings							Crab Processing Employment and Earnings					
		Crew positions[a]		Crew share payment[b]		Captain share payment[b]		Processing labor hours[c]			Processing labor payment		
Fishery: Year [b]	Obs	Total	Vessel mean	Total $million	Vessel median $1000	Total $million	Vessel median $1000	Obs	Total 1000 hrs[d]	Plant median 1000 hrs	Total $million	Plant median $1000	Median $/hour[d]
Bering Sea Tanner (BST)													
2010	4	--	--	--	--	--	--	5	6.43	0.7	$0.07	$7.92	$11.39
2013	22	156	7.09	$0.48	$15.66	$0.22	$8.05	6	16.58	1.86	$0.18	$16.82	$10.40
2014	38	262	6.89	$3.01	$67.71	$1.40	$30.74	7	122.27	8.51	$1.23	$79.52	$9.64
Saint Matthew blue king (SMB)													
2010	11	63	5.73	$1.02	$80.48	$0.53	$48.11	5	18.96	0.4	$0.19	$4.52	$11.10
2011	17	112	6.56	$1.38	$64.31	$0.65	$34.84	6	16.75	0.84	$0.16	$8.72	$10.22
2012	17	106	6.24	$0.94	$48.35	$0.43	$24.64	6	21.12	0.76	$0.27	$8.04	$10.75
2014	4	--	--	--	--	--	--	1	--	--	--	--	--

Source: NMFS AFSC BSAI Crab Economic Data. Crew positions from eLandings. Data shown for CR fisheries by calendar year. All dollar values are adjusted for inflation to 2014-equivalent value. Information suppressed for confidentiality where indicated by "--".

[a] For catcher processors, EDR reporting may be used to adjust eLandings crew size reporting in order to estimate the number of fishing crew and processing positions.

[b] Crew and captain payments reflect amounts paid for labor during the crab fishery and include all post-season adjustments, bonuses, and deductions for shared expenses such as fuel, bait, and food and provisions; payments for IFQ royalties, labor outside of crab fishery, health/retirement or other benefits are excluded.

[c] Processing labor hours for catcher processors are estimated by multiplying processing positions, number of days processing, and an assumed shift length of 12 hours per day.

[d] For all years, pay per hour statistics reflect only the shoreside and floating processing sectors.

[e] Statistics reported for "All CR Program Fisheries" reflect information aggregated over all rationalized crab fisheries, excluding fishery-level confidential information suppressed where indicated by "-- ". Values that are discontinuous with the rest of the series for a given variable due to data suppression are italicized. Average values are reported at the fishery level, but not over all crab fisheries.

[f] Due to confidentiality restrictions, Aleutian Islands Eastern and Western golden king crab fisheries are reported in aggregate. Where an entity reported labor information for both the Eastern and Western fisheries, counts of crew positions are averaged over both fisheries under the assumption that the same individuals are employed in both fisheries.

[g] Sector-level results for 2009 and later reflect combined catcher processor data and catcher vessel/shoreside processor data.

Table 3: Crab Harvest Quota Leasing - Volume, Cost, and Lease Prices and Rates, 2012-2014 Calendar Year BBR and BSS Fisheries

Fishery	Year	Quota type[a]	Vessels[b]	Pounds Leased (1000 pounds) Total	Pounds Leased (1000 pounds) Median	Cost ($1000) Total ($1000)	Cost ($1000) Median	Average Lease Price ($/pound) Median	Average Lease Rate (% of ex-vessel value)[c] Median
BBR	2012	CVO A	50	3,619	65	$19,971	$342	$5.79	64%
		CVO B +CPO	42	539	8	$3,266	$47	$5.98	65%
		CVC + CPC	36	172	4	$1,006	$24	$5.84	63%
		CDQ	5	369	71	$2,445	$485	$6.05	64%
	2013	CVO A	51	4,425	79	$21,974	$372	$4.87	64%
		CVO B +CPO	45	778	10	$4,013	$51	$5.14	65%
		CVC + CPC	37	199	5	$1,056	$23	$5.17	66%
		CDQ	8	713	77	$3,753	$406	$5.27	66%
	2014	CVO A	49	4,988	89	$21,273	$373	$4.23	63%
		CVO B +CPO	40	803	12	$3,505	$55	$4.37	64%
		CVC + CPC	33	215	7	$942	$26	$4.34	65%
		CDQ	7	826	118	$3,700	$503	$4.47	63%
BSS	2012	CVO A	55	42,796	640	$47,706	$736	$1.12	46%
		CVO B +CPO	47	6,990	84	$8,752	$112	$1.22	46%
		CVC + CPC	39	1,880	48	$2,248	$56	$1.22	46%
		CDQ	11	6,464	563	$8,171	$742	$1.26	49%
	2013	CVO A	56	34,353	487	$40,003	$558	$1.15	46%
		CVO B +CPO	50	7,741	78	$10,342	$103	$1.25	47%
		CVC + CPC	41	1,767	35	$2,256	$43	$1.23	46%
		CDQ	11	6,409	564	$8,660	$811	$1.35	54%
	2014	CVO A	55	28,465	442	$31,021	$489	$1.12	46%
		CVO B +CPO	45	5,737	76	$6,821	$98	$1.21	47%
		CVC + CPC	35	1,111	29	$1,376	$36	$1.21	46%
		CDQ	10	5,367	423	$6,338	$510	$1.23	48%

Source: NMFS AFSC BSAI Crab Economic Data (preliminary findings subject to revision following completion of data validation).

[a] Harvest quota types are categorized in this report as the following: CVO A – catcher vessel owner Class A IFQ; CVO B + CPO - catcher vessel owner Class B IFQ and catcher/processor owner IFQ; CVC + CPC – catcher vessel crew IFQ and catcher/processor crew IFQ. Statistics reported represent results pooled over all quota types and/or regional designations within each category.

[b] Vessels column shows total count of vessel-level observations for fishery-year where both pounds and cost of quota leased were reported as non-zero values; in a small number of observations where leased pounds was reported for a given fishery/quota type but lease cost was missing, the mean price over all complete observations was used to impute the missing data in computing the total aggregate lease cost over all vessels.

[c] Average lease rate statistics by fishery and quota type are calculated as the median of the ratio of lease price to ex-vessel price, over all EDR observations where both ex-vessel and lease pounds, and ex-vessel revenue and lease cost, were reported as non-zero values; both ex-vessel and quota-lease price estimates used in calculations are stratified by fishery and quota type, such that lease rate is calculated relative to ex-vessel value of catch landed on the respective quota type, not the average price by fishery over all landings as reported in Table 1.