



Kodiak Salmon Work Group
c/o Kodiak Regional Aquaculture Association
104 Center Ave., Suite 205
Kodiak, Alaska 99615

Are Kodiak and Chignik purse seine vessels bigger, more powerful with higher horse power?

See Attachments from

CFEC Comparison of Vessel Age, Length, Horsepower, Refrigeration and Hold Capacity

Answer: There has been incremental growth of the fleet over time, however changes since 1990 are inconsequential.

Note: Correlation between 4-6 ft. vessel length and increased refrigeration. Vessel growth has been, in large part, due to the requirement for Refrigerated seawater systems.

Note Also: Increased horse power has been a function of both RSW system installation and newer Diesel technology. It may not represent increased catching prowess.

Note Also: Increasing age of the fleet. This would indicate that fishermen in both areas are not making enough money to purchase new vessels.

CFEC Permit Holdings and Estimates of Gross
Earnings in the Kodiak
Commercial Salmon Fisheries, 1975-2018

CFEC Report Number 19-8N
December 2019

Commercial Fisheries Entry Commission
8800 Glacier Highway #109
P.O. Box 110302
Juneau, Alaska 99811-0302
(907) 789-6160

Kodiak Salmon Purse Seine Vessel Characteristics

Table 11 reports on various vessel characteristics of the Kodiak salmon purse seine fleet since 1978. Reported are the age, length, net tonnage, horsepower, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category reports the count of vessels with described characteristics. Statistics reported include the 25th percentile, median, and 75th percentile.

Table 11. Kodiak Salmon Purse Seine Vessel Characteristics

Year	Total Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Total Count	25%	Median	75%	Total Count	25%	Median	75%	Total Count	25%	Median	75%	Considered	Count	Percent	Total Count	25%	Median	75%
1978	372	363	4	13	22	368	31	35	38	364	125	165	215	343	7	2.0%	220	325	480	780
1979	386	375	2	9	23	379	31	36	39	368	130	165	225	353	9	2.5%	223	325	500	800
1980	376	365	2	8	21	370	32	37	40	351	130	175	245	343	7	2.0%	230	360	588	850
1981	345	336	3	10	21	340	32	36	40	330	130	173	250	320	4	1.3%	192	347	545	820
1982	341	326	4	9	20	329	33	37	41	320	130	193	263	320	9	2.8%	192	390	600	850
1983	341	331	5	10	21	334	32	36	41	331	130	190	265	326	9	2.8%	197	400	600	880
1984	299	289	6	10	20	291	33	38	41	288	140	200	280	286	9	3.1%	177	440	600	880
1985	270	263	7	11	21	263	34	38	42	260	140	200	280	261	5	1.9%	156	390	600	890
1986	280	279	8	12	22	279	34	38	42	277	140	200	280	276	9	3.3%	174	400	600	945
1987	294	293	9	12	22	293	34	38	42	292	160	200	280	289	15	5.2%	191	400	600	880
1988	321	320	9	13	23	320	35	38	42	318	155	210	280	315	14	4.4%	213	420	600	900
1989	4	4	1	7	14	4	38	43	47	4	213	400	825	4	1	25.0%	3	900	900	1,200
1990	354	353	10	13	19	354	36	39	46	348	180	250	335	338	55	16.3%	240	500	715	1,000
1991	350	349	11	13	20	350	38	41	47	345	195	260	360	338	66	19.5%	240	500	790	1,000
1992	333	332	12	14	21	333	38	41	47	330	200	273	360	320	70	21.9%	221	500	750	1,000
1993	327	326	13	15	21	327	38	41	47	324	200	280	360	312	73	23.4%	223	500	750	1,100
1994	287	286	14	16	22	287	38	41	47	283	200	280	368	277	69	24.9%	199	500	750	1,000
1995	311	311	14	17	23	311	38	42	48	307	200	290	365	299	85	28.4%	220	500	800	1,100
1996	260	259	15	18	22	260	38	42	48	257	220	300	400	250	77	30.8%	174	516	800	1,100
1997	263	262	15	19	23	263	38	42	48	260	223	300	400	253	79	31.2%	167	520	800	1,100
1998	215	215	16	20	24	215	38	42	48	213	230	300	400	205	64	31.2%	139	520	800	1,100
1999	216	216	17	21	25	216	38	42	48	214	225	300	400	207	65	31.4%	136	520	790	1,100
2000	219	218	18	22	25	219	38	42	48	216	240	300	400	211	67	31.8%	142	520	800	1,100
2001	180	179	18	22	25	180	38	43	50	179	240	300	400	174	57	32.8%	115	575	840	1,100
2002	147	146	15	23	26	147	39	44	50	144	250	320	440	141	58	41.1%	92	600	845	1,100
2003	138	137	16	24	26	138	40	44	50	137	250	320	440	132	61	46.2%	87	600	850	1,300
2004	137	136	16	25	27	137	42	46	51	136	280	345	540	131	64	48.9%	86	650	900	1,300
2005	131	131	16	26	28	131	42	47	51	131	280	350	540	125	70	56.0%	83	600	900	1,200
2006	128	128	17	27	29	128	42	48	52	128	300	355	550	124	81	65.3%	87	650	1,000	1,400
2007	136	136	18	28	30	136	42	47	52	136	300	370	550	131	90	68.7%	90	650	1,000	1,400
2008	125	125	19	29	31	125	42	48	52	125	300	365	550	121	79	65.3%	85	650	900	1,300
2009	152	152	20	30	32	152	42	47	52	152	285	350	550	147	90	61.2%	101	640	900	1,300
2010	145	145	21	30	33	145	42	47	52	145	280	350	550	140	91	65.0%	100	713	1,000	1,400
2011	168	168	22	31	34	168	42	47	52	168	280	355	550	163	105	64.4%	114	670	975	1,400
2012	156	156	24	33	35	156	42	47	52	155	280	350	550	152	94	61.8%	105	650	950	1,400
2013	164	164	25	34	37	164	42	47	51	163	270	350	540	160	100	62.5%	114	650	900	1,440
2014	178	178	26	35	38	178	42	47	52	175	270	350	525	174	111	63.8%	117	600	900	1,300
2015	171	171	29	36	39	171	42	46	51	169	275	330	450	167	108	64.7%	119	600	900	1,300
2016	157	157	30	37	40	157	41	46	51	156	278	338	513	153	101	66.0%	109	600	950	1,440
2017	154	154	29	38	41	154	42	47	52	153	280	350	525	151	109	72.2%	110	600	925	1,400
2018	147	147	29	39	41	147	42	47	53	146	280	350	550	144	108	75.0%	105	600	1,000	1,500

CFEC Permit Holdings and Estimates of Gross
Earnings in the Chignik and Alaska Peninsula
Commercial Salmon Fisheries, 1975-2017

CFEC Report Number 19-1N
January, 2019

Commercial Fisheries Entry Commission
8800 Glacier Highway #109
P.O. Box 110302
Juneau, Alaska 99811-0302
(907) 789-6160

Chignik Salmon Purse Seine Vessel Characteristics

Table 1-9 reports on various vessel characteristics of the Chignik salmon purse seine fleet since 1978. Reported in this table are the age, length, horsepower, hold refrigeration, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category is the count of vessels with the described characteristics; other statistics reported include the 25th percentile, median, and 75th percentile.

Table 1-9. Chignik Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	95	91	1	6	15	89	33	35	38	90	110	200	270	85	0	0.0%	32	300	400	500
1979	109	101	1	6	14	103	33	36	38	98	120	210	280	93	0	0.0%	34	350	400	600
1980	103	93	2	3	9	94	34	38	40	85	150	230	290	85	1	1.2%	32	400	500	965
1981	103	96	2	4	9	96	35	38	42	91	190	250	300	90	2	2.2%	33	400	500	700
1982	103	98	3	4	8	99	36	38	42	93	210	260	300	94	3	3.2%	33	400	600	925
1983	98	95	4	5	10	95	36	38	42	91	210	260	307	89	2	2.2%	34	400	600	750
1984	102	101	5	6	11	101	36	38	42	99	200	260	307	97	4	4.1%	41	400	600	800
1985	103	100	6	7	12	101	36	38	42	99	210	260	330	97	4	4.1%	41	500	700	980
1986	104	103	6	8	12	103	36	38	42	101	210	270	325	99	5	5.1%	39	400	650	925
1987	104	104	7	9	12	104	38	39	42	100	213	278	343	102	4	3.9%	42	500	700	800
1988	109	108	7	10	13	108	38	41	44	105	230	280	343	105	4	3.8%	45	500	700	800
1989	106	106	8	10	12	106	38	42	46	104	230	300	395	101	6	5.9%	44	520	710	1,000
1990	101	101	8	11	13	101	38	42	46	99	238	310	453	97	5	5.2%	45	600	800	1,000
1991	105	105	6	12	14	105	38	42	47	103	250	326	540	101	11	10.9%	46	600	800	1,000
1992	102	102	6	13	15	102	38	42	47	100	259	335	545	97	11	11.3%	46	600	800	1,000
1993	104	104	7	14	16	104	38	42	47	102	270	340	550	100	15	15.0%	50	540	800	1,000
1994	101	101	8	14	16	101	38	42	47	99	270	340	550	94	17	18.1%	46	540	800	1,000
1995	103	103	7	15	17	103	38	42	48	98	250	326	550	93	23	24.7%	49	500	800	1,000
1996	102	102	8	16	18	102	40	44	48	97	258	350	550	91	24	26.4%	47	500	800	1,000
1997	99	99	9	17	19	99	40	44	48	94	258	347	585	88	23	26.1%	45	500	800	1,000
1998	85	85	13	19	21	85	38	42	47	80	250	326	550	75	15	20.0%	33	400	800	950
1999	93	92	13	20	21	92	38	43	48	87	250	340	550	82	21	25.6%	40	400	800	1,000
2000	100	100	13	20	22	100	41	46	50	95	270	350	585	90	27	30.0%	47	500	800	1,000
2001	92	92	15	22	23	92	40	45	48	87	275	343	550	82	23	28.0%	43	500	812	1,000
2002	42	42	16	22	24	42	40	44	48	41	280	350	550	39	8	20.5%	16	500	800	975
2003	45	45	19	24	25	45	40	44	47	42	270	338	550	40	6	15.0%	14	480	745	950
2004	34	34	19	24	26	34	40	42	47	33	260	330	550	33	6	18.2%	15	480	800	1,000
2005	46	46	20	25	26	46	38	42	46	44	268	335	525	42	10	23.8%	21	448	800	950
2006	55	55	20	27	28	55	38	46	48	52	255	358	625	51	15	29.4%	26	480	800	1,000
2007	55	54	20	27	29	54	41	46	48	50	275	350	600	48	14	29.2%	20	440	800	1,000
2008	54	54	23	28	30	54	38	44	48	51	240	340	550	50	17	34.0%	21	350	700	950
2009	55	55	24	30	32	55	40	44	48	52	230	335	525	51	17	33.3%	19	225	800	1,000
2010	65	65	25	31	33	65	40	44	48	62	240	342	500	61	24	39.3%	27	400	800	1,040
2011	68	68	26	32	34	68	39	44	48	64	240	347	493	65	30	46.2%	26	500	750	1,000
2012	68	68	29	33	35	68	40	44	48	65	240	340	480	65	30	46.2%	28	450	710	1,000
2013	77	77	28	34	36	77	40	44	48	74	270	355	480	74	42	56.8%	34	400	710	1,040
2014	71	71	29	35	37	71	38	44	49	68	249	350	525	68	40	58.8%	31	400	690	1,000
2015	70	70	29	35	37	70	40	46	54	67	270	365	600	67	42	62.7%	30	500	806	1,090
2016	67	67	29	36	38	67	42	46	54	65	280	400	620	65	43	66.2%	30	500	819	1,197
2017	66	66	31	38	39	66	40	46	50	63	280	370	600	63	40	63.5%	29	500	800	1,000
2018*	6	6	31	34	41	6	47	48	48	5	400	480	1,000	6	5	83.3%	2	800	863	925
Total	325					312	36	42	48	304	200	300	425	291	92	31.6%	151	400	700	1,000

- Total includes every vessel used in this fishery from 1978 to 2018.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit from 2002 – 2004. Average Earnings will not properly reflect estimated earnings by permit holder or vessel for these years.
- 2018 data is preliminary.