
2024 Tanner crab *Chionoecetes bairdi* Bottom Trawl Survey results for the Chignik District



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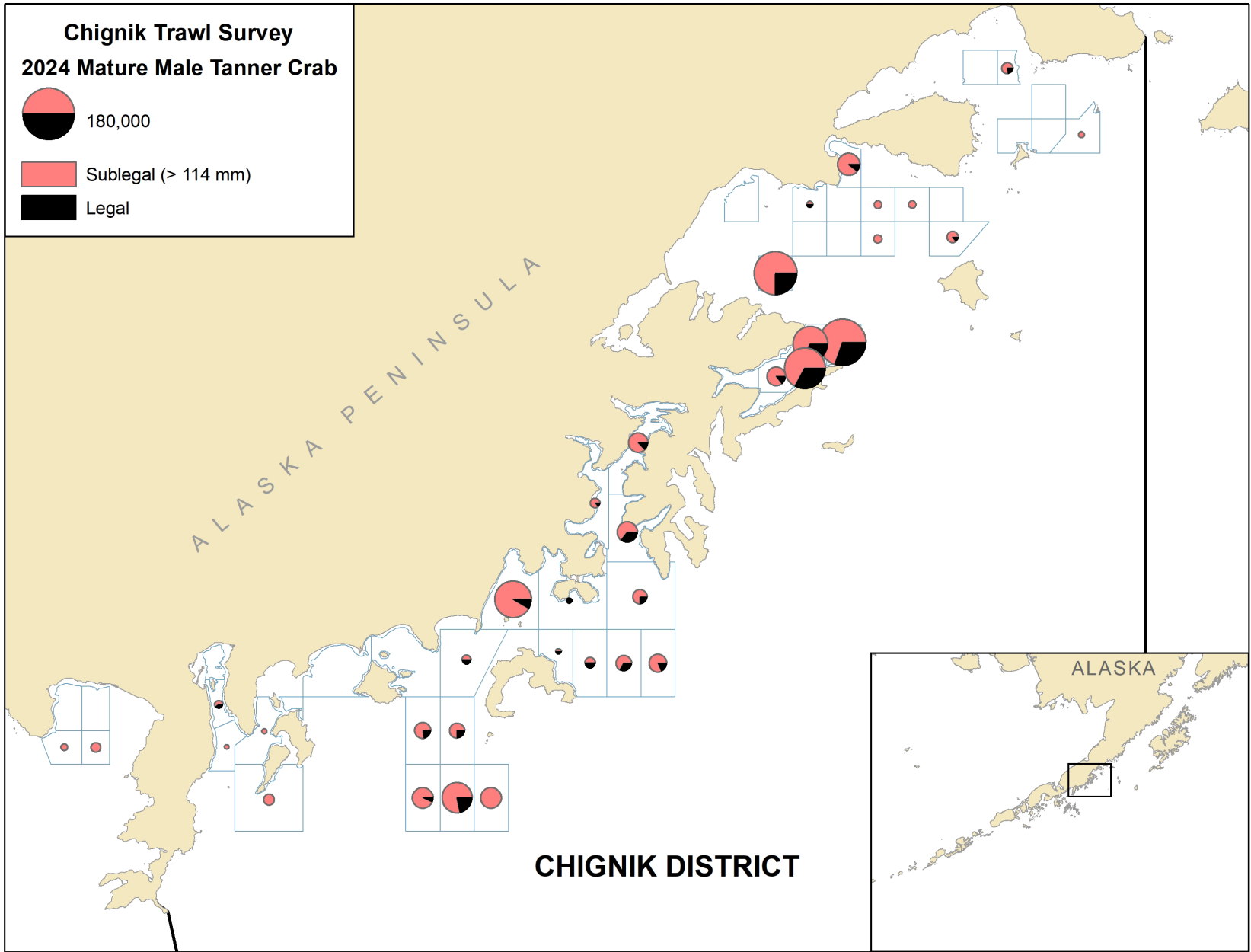


Figure 1.—Mature male Tanner crab abundance estimates in the Chignik District from the 2024 Chignik trawl survey.

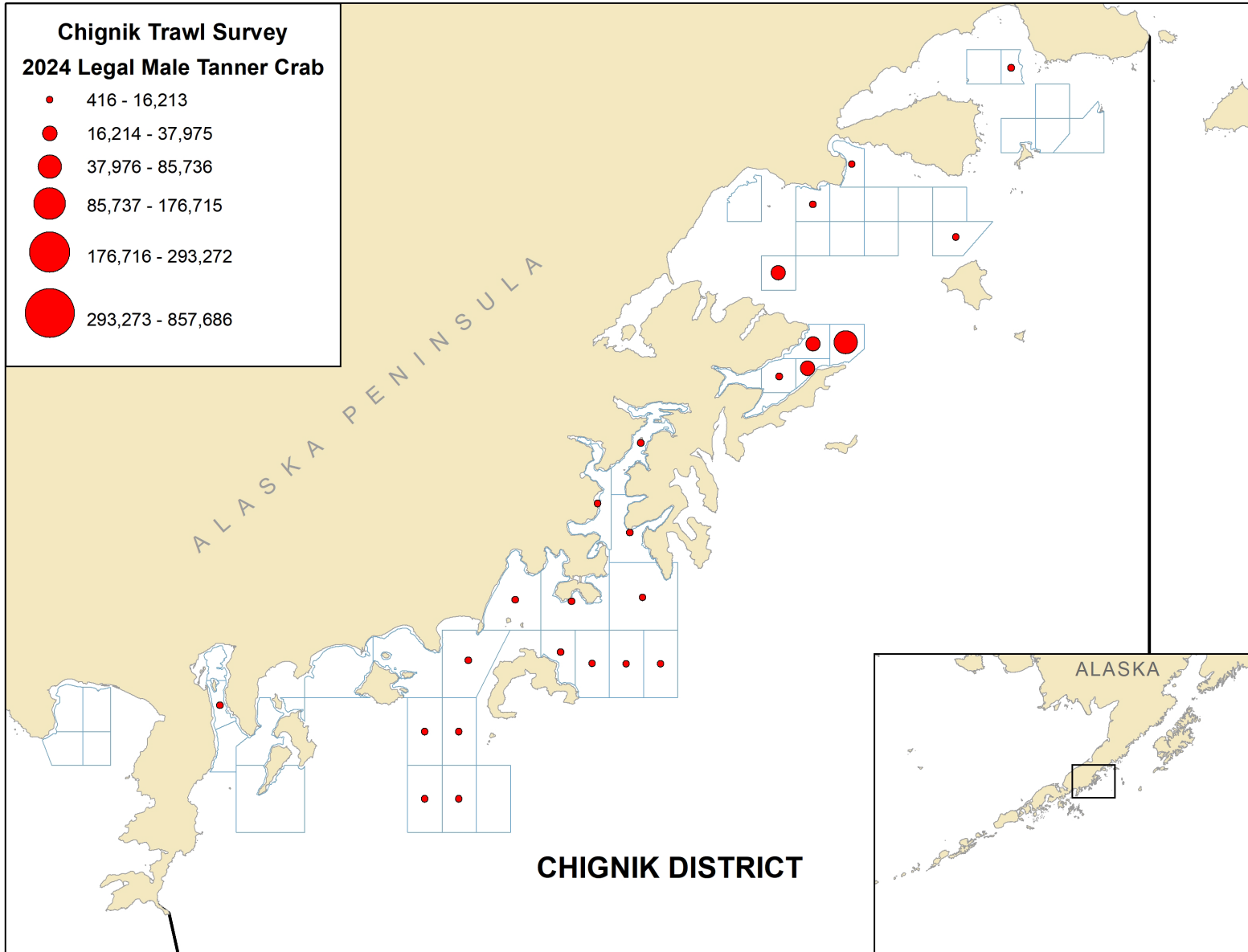


Figure 2.—Legal-size male Tanner crab abundance estimates in the Chignik District from the 2024 Chignik trawl survey.

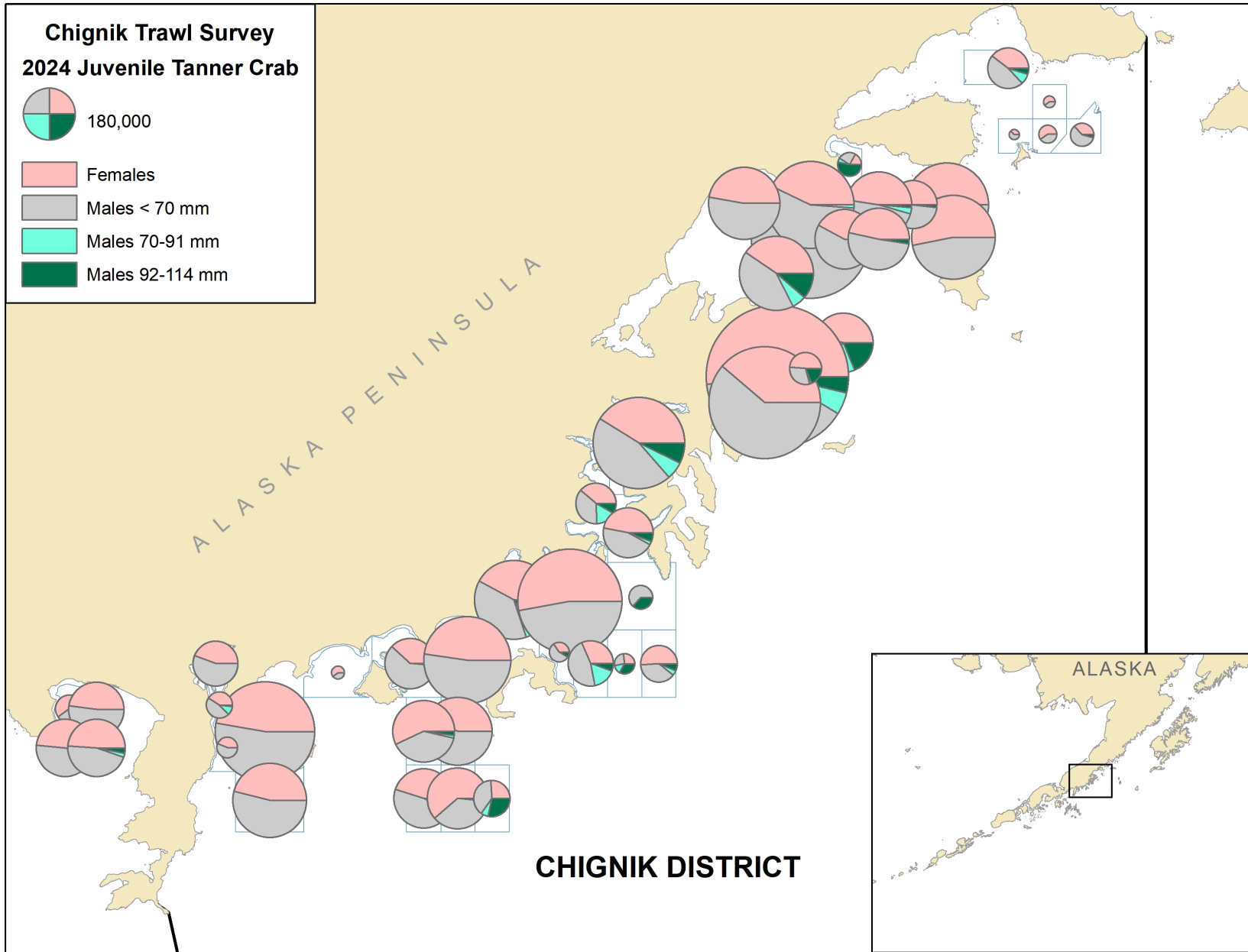


Figure 3.—Juvenile Tanner crab abundance estimates in the Chignik District from the 2024 Chignik trawl survey.

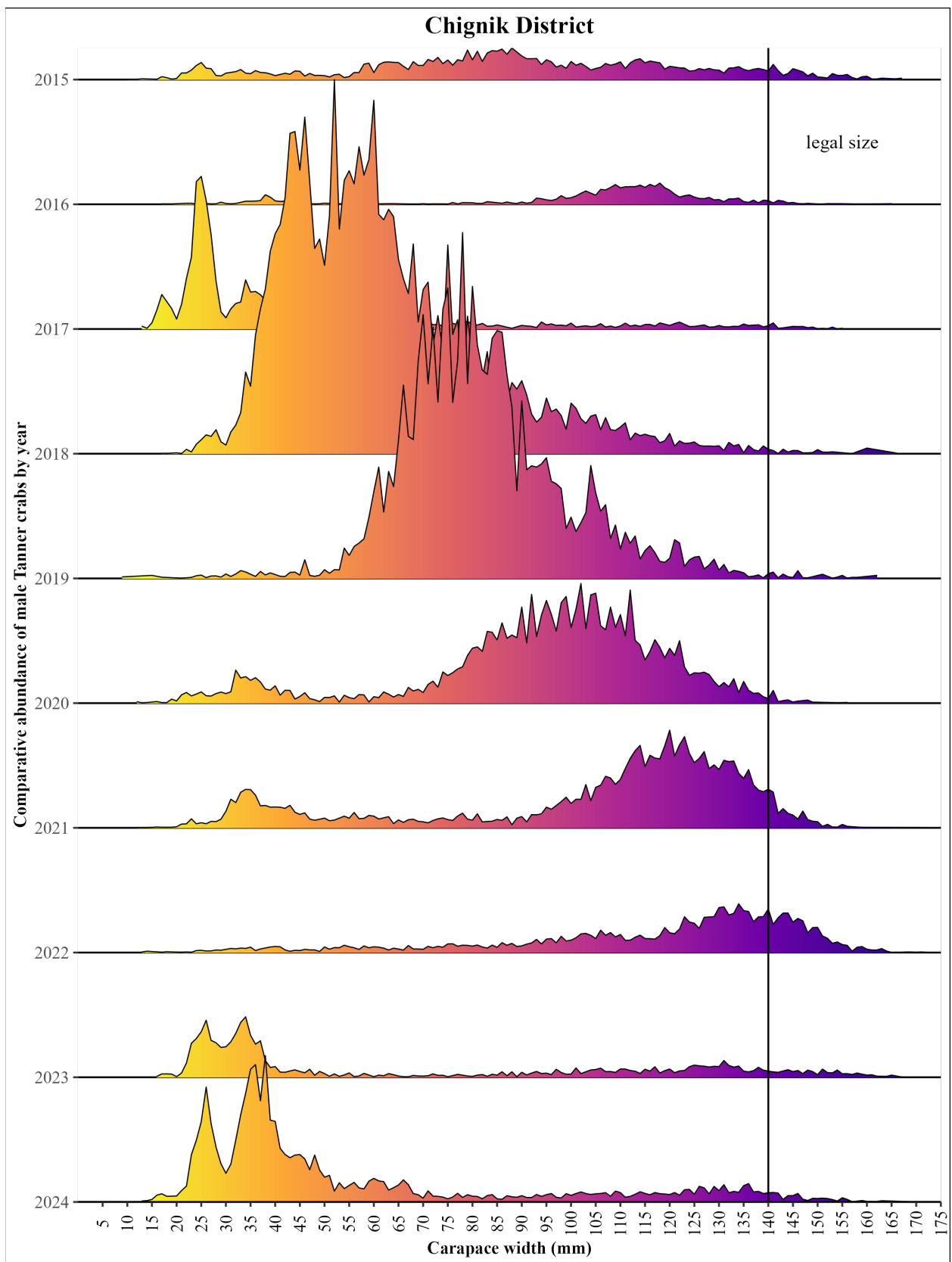


Figure 4.—Male Tanner crab abundance estimates by size, 2015–2024 Chignik District trawl surveys.

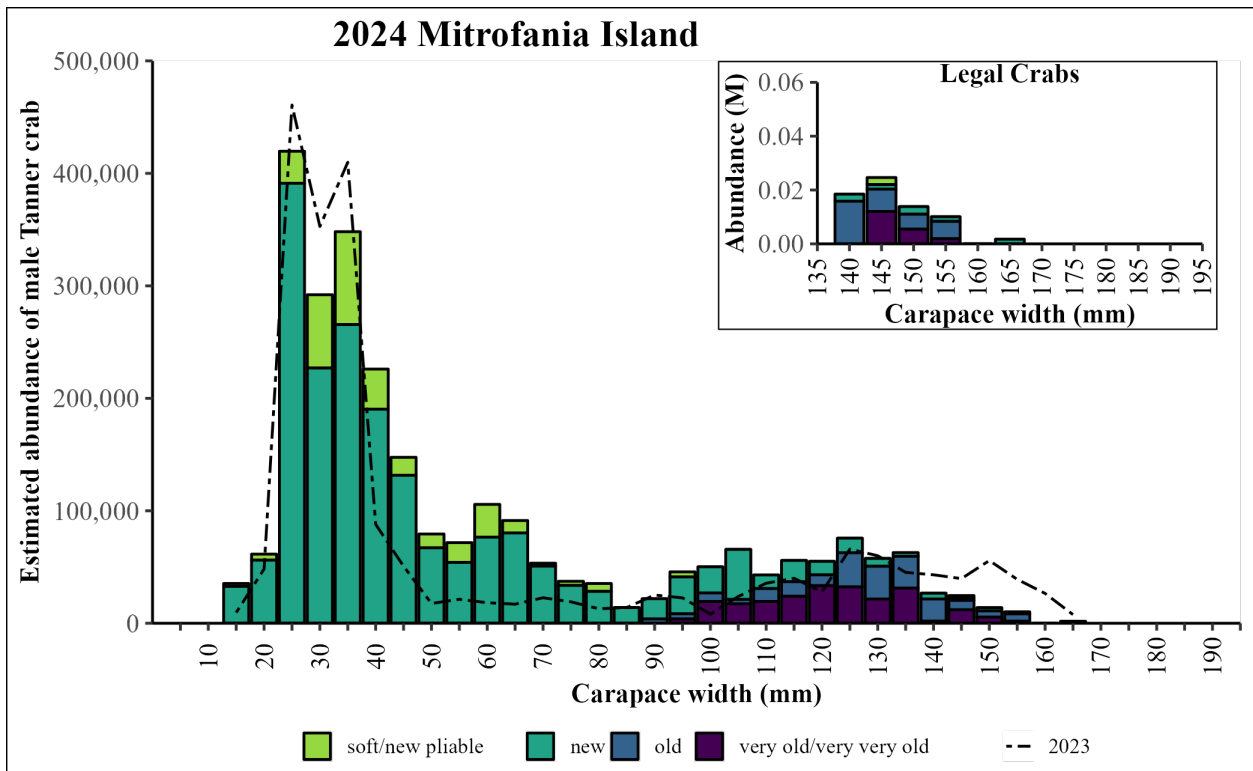
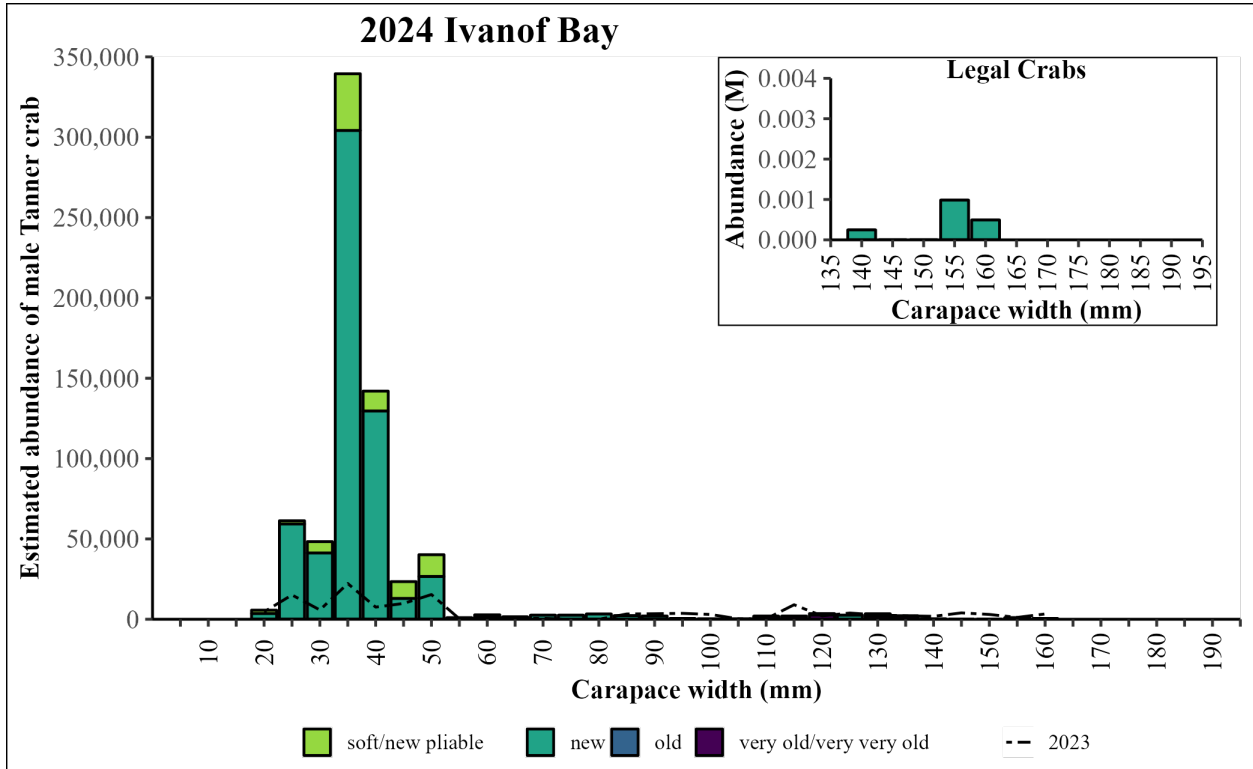


Figure 5.—Male Tanner crab abundance estimates by size and shell condition in Ivanof Bay and Mitrofanina Island in the Chignik District, with legal insets, 2024 trawl survey.

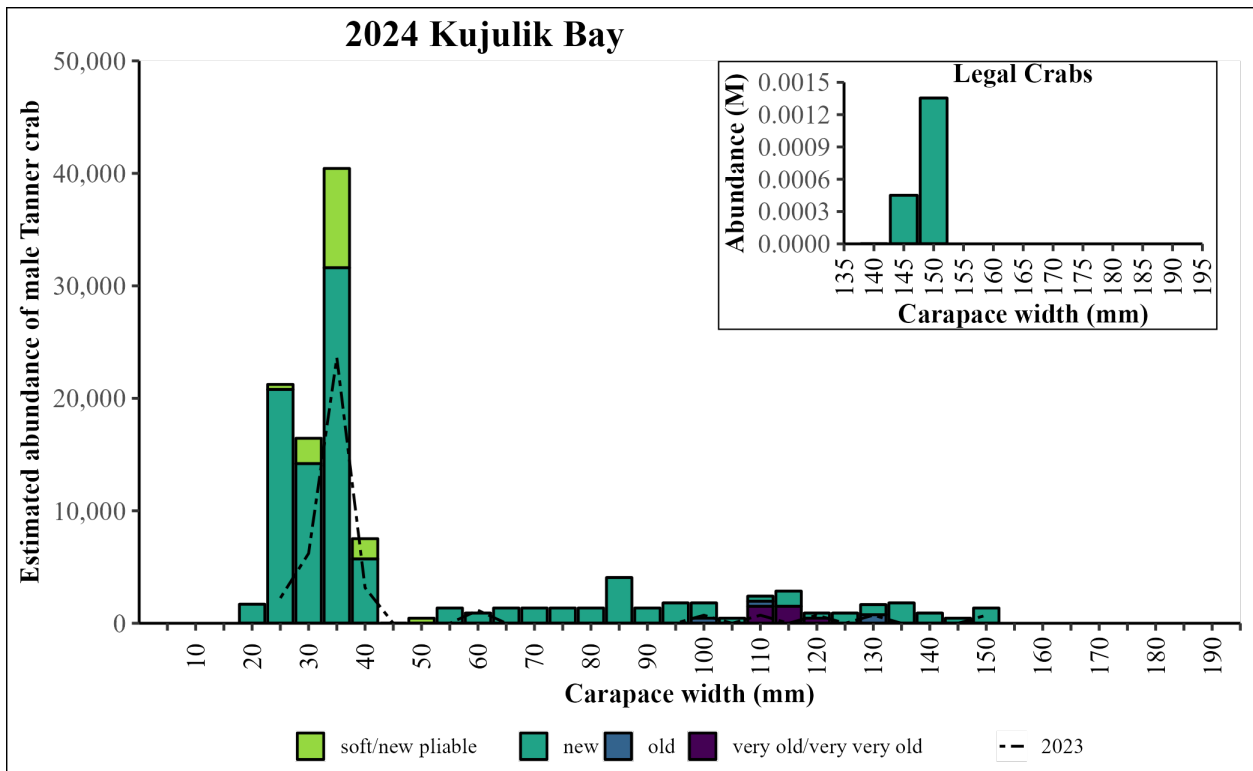
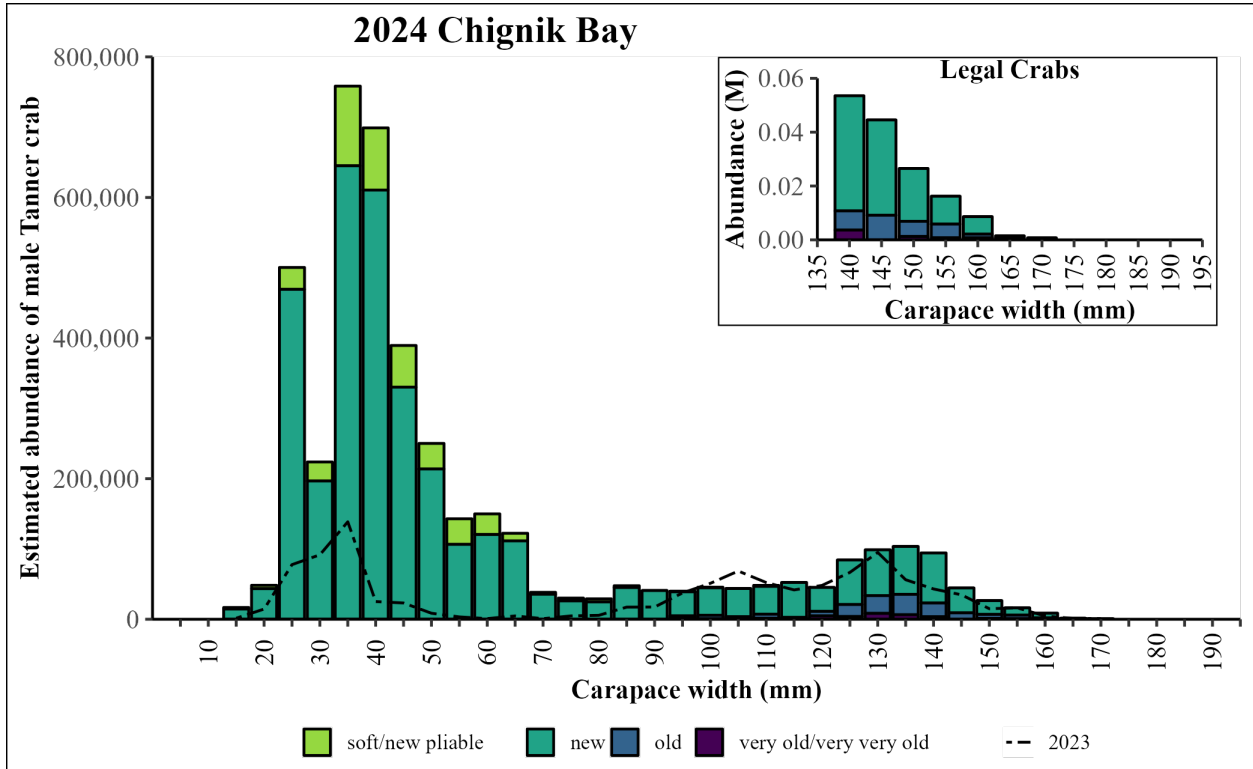


Figure 6.—Male Tanner crab abundance estimates by size and shell condition in Chignik and Kujulik Bays in the Chignik District, with legal insets, 2024 trawl survey.

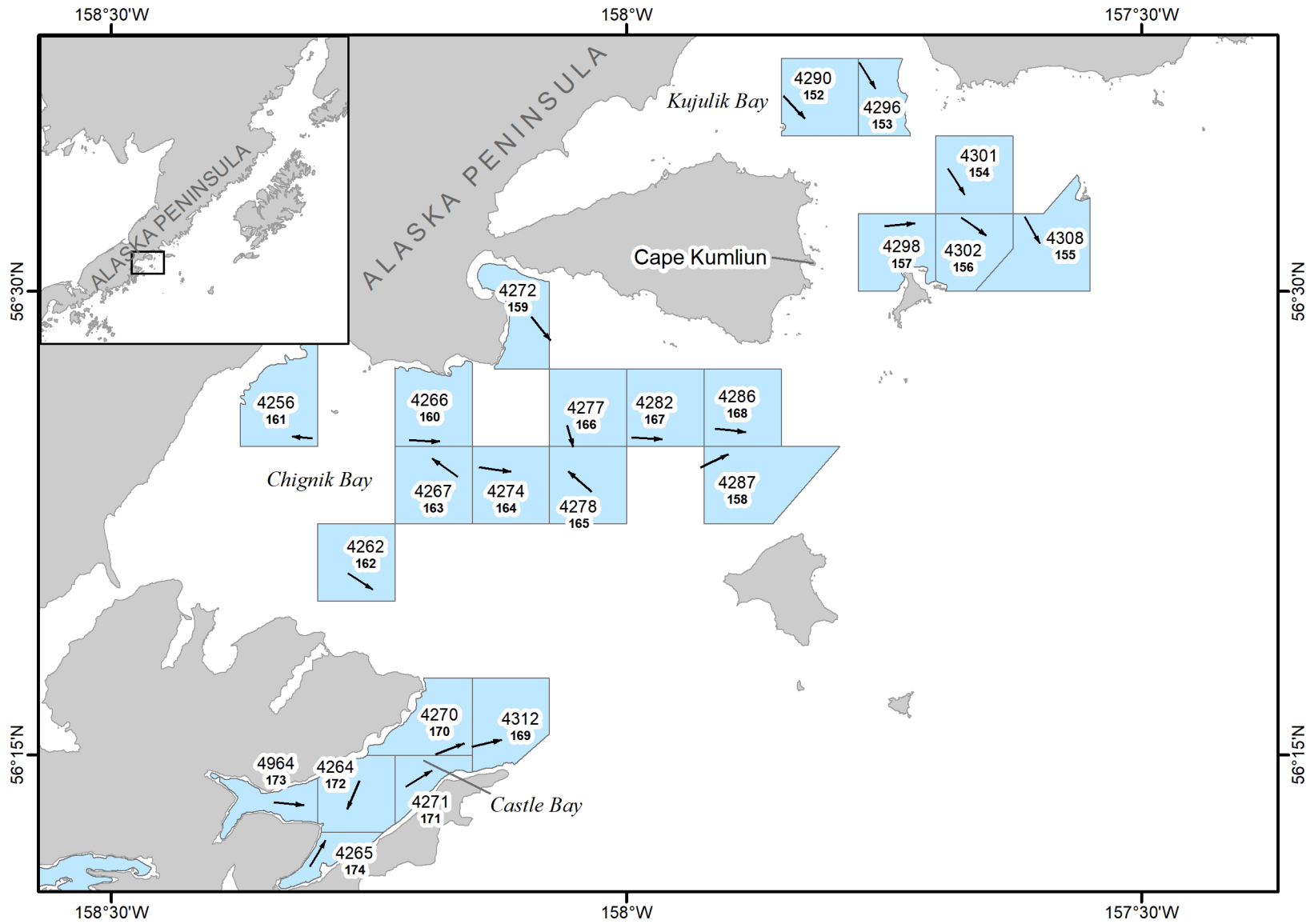


Figure 7.—Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Kujulik, Chignik, and Castle Bays, 2024.

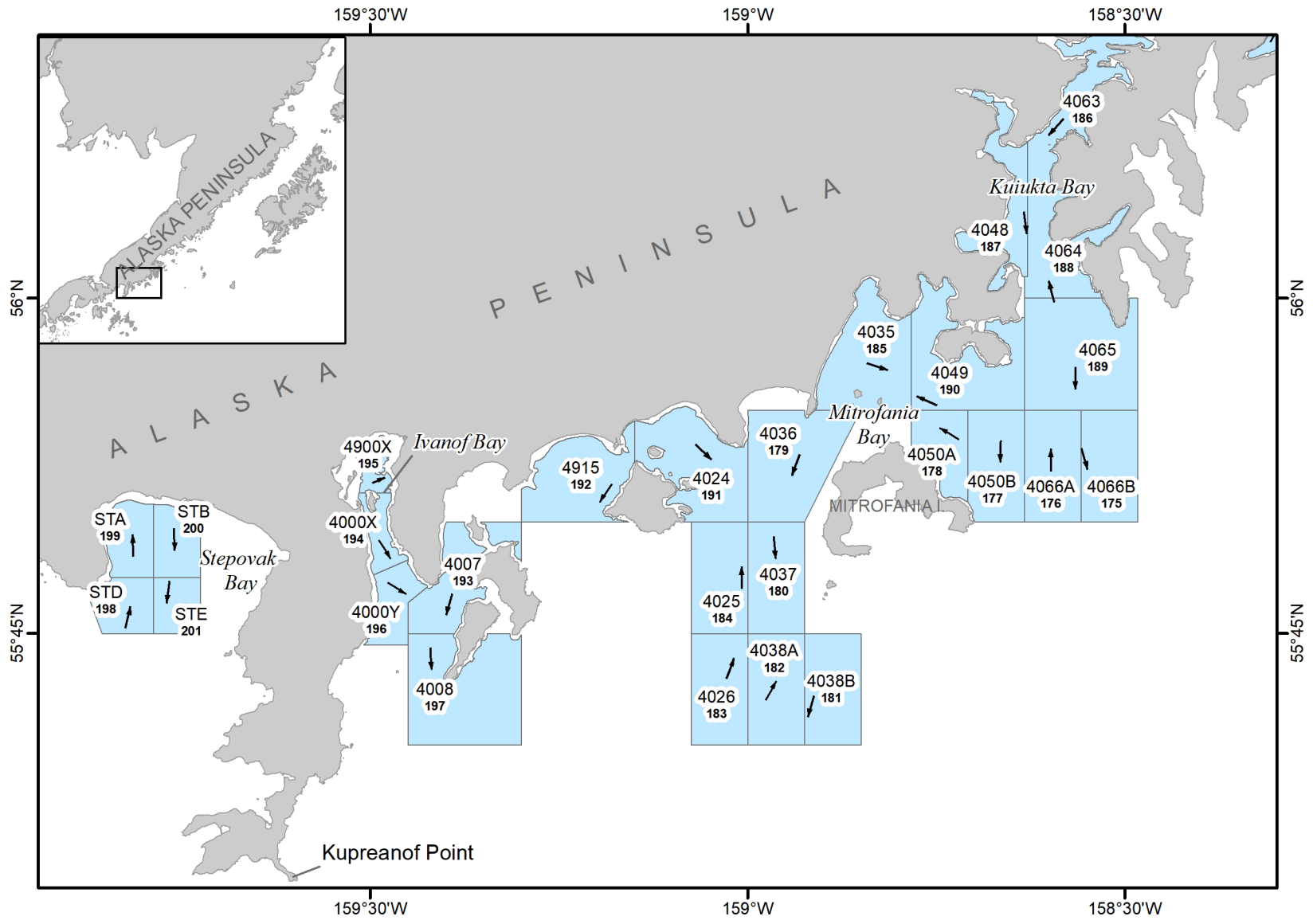


Figure 8.—Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Ivanof, and Kuiukta Bays, and Mitrofanía Island, 2024.

Table 1.—Tanner crab abundance estimates in the Chignik District by station, 2024.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Ivanof Bay														
4000X	194	18,948	0	18,948	21,409	4,922	984	2,707	1,723	0	4,430	1,723	31,744	50,692
4000Y	196	12,577	0	12,577	16,071	0	0	1,397	0	0	1,397	0	17,469	30,046
4007	193	315,227	3,267	318,494	352,211	5,337	0	1,779	0	0	1,779	0	359,326	677,820
4008	197	169,438	9,413	178,851	197,677	0	1,883	7,531	0	0	7,531	0	207,090	385,941
4900X	195	60,209	0	60,209	75,978	0	0	0	0	0	0	0	75,978	136,188
4915	192	6,781	0	6,781	4,521	0	0	0	0	0	0	0	4,521	11,301
Total		583,180	12,680	595,860	667,867	10,259	2,867	13,414	1,723	0	15,137	1,723	696,128	1,291,988
Mitrofanina Island														
4024	191	65,654	0	65,654	103,531	0	2,525	0	0	0	0	0	106,056	171,710
4025	184	147,420	122,531	269,950	101,471	3,829	5,744	13,402	0	3,829	17,231	3,829	128,274	398,225
4026	183	107,383	46,021	153,404	113,135	5,753	11,505	26,846	0	1,918	28,764	1,918	159,157	312,561
4035	185	178,489	7,874	186,363	160,115	15,749	68,246	83,995	5,250	2,625	91,870	7,874	335,978	522,342
4036	179	244,583	0	244,583	267,335	0	0	2,844	2,844	0	5,688	2,844	273,023	517,606
4037	180	137,847	40,205	178,052	176,138	0	0	11,487	0	3,829	15,316	3,829	191,454	369,507
4038A	182	153,001	11,620	164,622	92,963	1,937	3,873	48,418	0	13,557	61,975	13,557	160,748	325,370
4038B	181	23,241	34,861	58,102	34,861	5,810	25,177	29,051	0	0	29,051	0	94,900	153,001
4048	187	42,782	3,056	45,838	41,254	18,335	8,404	5,348	0	764	6,112	764	74,105	119,943
4049	190	388,601	0	388,601	345,980	0	0	0	0	2,507	2,507	2,507	348,487	737,088
4050A	178	9,084	21,574	30,658	14,761	0	2,271	1,135	0	1,135	2,270	1,135	19,303	49,962
4050B	177	43,741	1,902	45,643	64,661	22,821	7,607	3,804	0	3,804	7,608	3,804	102,697	148,339
4063	186	233,692	7,587	241,279	257,136	34,748	41,698	22,586	3,475	0	26,061	3,475	359,643	600,922
4064	188	79,522	99,825	179,347	76,138	3,384	10,152	18,612	1,692	8,460	28,764	10,152	118,437	297,784
4065	189	0	7,088	7,088	24,807	0	14,175	10,631	0	3,544	14,175	3,544	53,157	60,245
4066A	176	7,565	18,913	26,478	7,565	3,783	9,457	11,348	0	5,674	17,022	5,674	37,826	64,304
4066B	175	46,299	11,575	57,874	34,724	3,858	5,787	17,362	0	3,858	21,220	3,858	65,590	123,464
Total		1,908,904	434,632	2,343,536	1,916,575	120,007	216,621	306,869	13,261	55,504	375,634	68,764	2,628,835	4,972,373

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Table 1.—Page 2 of 2.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Chignik Bay														
4256	161	162,809	0	162,809	182,407	1,507	0	0	0	0	0	0	183,914	346,723
4262	162	151,125	1,938	153,063	156,685	25,272	40,435	94,348	32,011	0	126,359	32,011	348,750	501,813
4264	172	711,597	17,970	729,567	542,534	68,675	51,506	20,603	3,434	0	24,037	3,434	686,752	1,416,319
4265	174	326,588	0	326,588	516,619	5,218	0	0	0	0	0	0	521,837	848,425
4266	160	218,497	2,196	220,692	284,911	5,844	0	1,461	1,461	0	2,922	1,461	293,677	514,370
4267	163	417,491	2,281	419,773	524,306	2,648	2,648	0	0	0	0	0	529,602	949,375
4270	170	21,648	313,064	334,712	10,507	8,255	18,011	54,785	15,010	12,008	81,803	27,017	118,575	453,288
4271	171	34,137	4,377	38,513	21,320	2,206	12,498	75,723	33,818	3,676	113,217	37,494	149,239	187,753
4272	159	6,281	698	6,978	9,072	2,094	20,237	29,309	3,489	0	32,798	3,489	64,201	71,179
4274	164	100,363	20,796	121,158	136,529	904	904	0	0	0	0	0	138,338	259,496
4277	166	138,557	33,356	171,914	139,840	8,981	3,849	3,849	0	0	3,849	0	156,519	328,432
4278	165	118,437	23,499	141,936	128,777	1,880	6,580	4,700	0	0	4,700	0	141,936	283,873
4282	167	75,001	37,026	112,026	77,849	949	2,848	3,798	0	0	3,798	0	85,444	197,470
4286	168	188,935	5,640	194,575	277,210	1,451	1,451	0	0	0	0	0	280,113	474,688
4287	158	249,657	14,979	264,637	219,699	0	1,248	7,490	0	1,248	8,738	1,248	229,685	494,322
4312	169	110,410	229,314	339,724	42,728	41,349	41,349	104,752	26,188	19,296	150,236	45,484	275,662	615,386
4964	173	21,190	0	21,190	37,294	0	424	0	0	0	0	0	37,718	58,908
Total		3,052,723	707,134	3,759,855	3,308,287	177,233	203,988	400,818	115,411	36,228	552,457	151,638	4,241,962	8,001,820
Kujulik Bay														
4290	152	0	0	0	0	0	0	0	0	0	0	0	0	0
4296	153	44,668	2,256	46,924	52,789	9,475	5,414	6,317	1,805	0	8,122	1,805	75,800	122,723
4298	157	2,500	0	2,500	4,166	0	0	0	0	0	0	0	4,166	6,666
4301	154	5,631	0	5,631	3,754	0	0	0	0	0	0	0	3,754	9,385
4302	156	12,905	0	12,905	8,872	0	0	0	0	0	0	0	8,872	21,778
4308	155	13,536	8,272	21,807	21,807	0	1,504	2,256	0	0	2,256	0	25,567	47,375
Total		79,240	10,528	89,767	91,388	9,475	6,918	8,573	1,805	0	10,378	1,805	118,159	207,927
Chignik District Total		5,624,046	1,164,974	6,789,020	5,984,116	316,974	430,396	729,670	132,198	91,731	953,600	223,929	7,685,086	14,474,106

Table 2.–Fishing log from the Chignik District trawl survey, 2024.

Haul	152	153	154	155	156	157	158	159	160	161	162	163	164
Location	Kujulik	Kujulik	Kujulik	Kujulik	Kujulik	Kujulik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik
Month/Day/Year	07-22-24	07-22-24	07-22-24	07-22-24	07-22-24	07-22-24	07-22-24	07-23-24	07-23-24	07-23-24	07-23-24	07-23-24	07-23-24
Station	4290	4296	4301	4308	4302	4298	4287	4272	4266	4256	4262	4267	4274
Longitude Start (W)	157°50.86'	157°46.46'	157°41.27'	157°36.79'	157°40.50'	157°44.99'	157°55.70'	158°05.55'	158°12.69'	158°18.32'	158°16.25'	158°09.82'	158°08.61'
Latitude Start (N)	56°36.31'	56°37.37'	56°33.97'	56°32.41'	56°32.39'	56°32.10'	56°24.31'	56°29.20'	56°25.21'	56°25.27'	56°20.91'	56°24.02'	56°24.34'
Heading, Degrees	138	149	151	147	126	82	60	141	91	270	122	112	100
Average Depth (m)	25.6	65.83	93.26	135.3	100.5	91.43	193.8	124.3	155.4	95.09	73.14	126.1	168.2
Distance Fished (km)	1.889	1.87	1.87	1.87	1.852	1.87	1.87	1.87	1.852	1.222	1.814	1.889	1.944
Haul	165	166	167	168	169	170	171	172	173	174	175	176	177
Location	Chignik	Chignik	Chignik	Chignik	Castle	Castle	Castle	Castle	Castle	Castle	Mitro.	Mitro.	Mitro.
Month/Day/Year	07-23-24	07-24-24	07-24-24	07-24-24	07-24-24	07-24-24	07-24-24	07-24-24	07-25-24	07-25-24	07-25-24	07-25-24	07-25-24
Station	4278	4277	4282	4286	4312	4270	4271	4264	4964	4265	4066B	4066A	4050B
Longitude Start (W)	158°02.04'	158°03.46'	157°59.73'	157°54.85'	158°09.03'	158°11.15'	158°12.87'	158°15.57'	158°20.58'	158°18.45'	158°33.47'	158°35.89'	158°39.88'
Latitude Start (N)	56°23.54'	56°25.70'	56°25.29'	56°25.58'	56°15.28'	56°15.02'	56°13.98'	56°14.18'	56°13.48'	56°11.39'	55°53.32'	55°52.26'	55°53.66'
Heading, Degrees	303	170	91	104	77	63	61	204	91	30	167	356	179
Average Depth (m)	193.8	182.8	197.5	166.4	131.6	106	96.92	76.8	73.14	58.51	120.6	118.8	120.6
Distance Fished (km)	1.87	1.37	1.852	1.87	1.852	1.87	1.87	1.889	1.852	1.852	1.852	1.889	1.852
Haul	178	179	180	181	182	183	184	185	186	187	188	189	190
Location	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Kuiukta	Kuiukta	Kuiukta	Mitro.	Mitro.
Month/Day/Year	07-25-24	07-26-24	07-26-24	07-26-24	07-26-24	07-26-24	07-26-24	07-26-24	07-27-24	07-27-24	07-27-24	07-27-24	07-27-24
Station	4050A	4036	4037	4038B	4038A	4026	4025	4035	4063	4048	4064	4065	4049
Longitude Start (W)	158°43.18'	158°55.87'	158°57.90'	158°54.71'	158°58.56'	159°01.71'	159°00.47'	158°50.56'	158°34.88'	158°38.04'	158°35.60'	158°33.94'	158°44.93'
Latitude Start (N)	55°53.70'	55°53.03'	55°49.36'	55°42.23'	55°42.01'	55°42.97'	55°47.01'	55°57.11'	56°07.99'	56°03.87'	55°59.81'	55°56.93'	55°55.23'
Heading, Degrees	301	196	173	196	27	19	0	106	219	175	337	181	293
Average Depth (m)	140.8	131.6	131.6	148.1	146.2	140.8	124.3	142.6	155.4	175.5	157.2	104.2	144.4
Distance Fished (km)	1.87	1.87	1.87	1.852	1.852	1.87	1.87	1.852	1.852	1.889	1.87	1.852	1.87
Haul	191	192	193	194	195	196	197						
Location	Mitro.	Ivanof	Ivanof	Ivanof	Ivanof	Ivanof	Ivanof						
Month/Day/Year	07-27-24	07-27-24	07-28-24	07-28-24	07-28-24	07-28-24	07-28-24						
Station	4024	4915	4007	4000X	4900X	4000Y	4008						
Longitude Start (W)	159°04.16'	159°10.78'	159°23.47'	159°29.32'	159°29.86'	159°28.63'	159°25.24'						
Latitude Start (N)	55°53.50'	55°51.72'	55°46.80'	55°49.21'	55°51.75'	55°47.31'	55°44.37'						
Heading, Degrees	138	210	194	149	64	123	154						
Average Depth (m)	100.5	65.83	89.6	73.14	40.23	84.12	104.2						
Distance Fished (km)	1.87	1.852	1.87	1.852	1.185	1.852	1.833						