2018 Tanner crab *Chionoecetes bairdi* Bottom Trawl Survey results for the South Peninsula District

Alaska Department of Fish and Game

351 Research Court

Kodiak, AK 99615

November 2018

Alaska Department of Fish and Game **Division of Commercial Fisheries**

TABLE OF CONTENTS

Figure **Page**

1. Abundance estimates of mature male Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey....1
2. Abundance estimates of legal-size male Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey....2
3. Abundance estimates of juvenile Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey....3
4. Male Tanner crab abundance estimates by size, 2009–2018 South Peninsula District trawl surveys (legal crab lightly shaded). 4
5. Estimated abundance of male Tanner crabs in the Eastern and Western sections of the South Peninsula District by size and shell condition, with legal insets, 2018 trawl survey. 5
6. Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Morzhovoi Bay, Cold Bay, Belkofski Bay, Deer Island, and Sanak Island, 2018. 6
7. Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Pavlof and Volcano bays, 2018. 7
8. Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Unga Strait, Beaver Bay, Balboa Bay, and West Nagai Strait, 2018....8

Table **Page**

1. Abundance estimates of Tanner crab in the South Peninsula District by station, 2018....9
2. Fishing log from the South Peninsula District trawl survey, 2018. 13

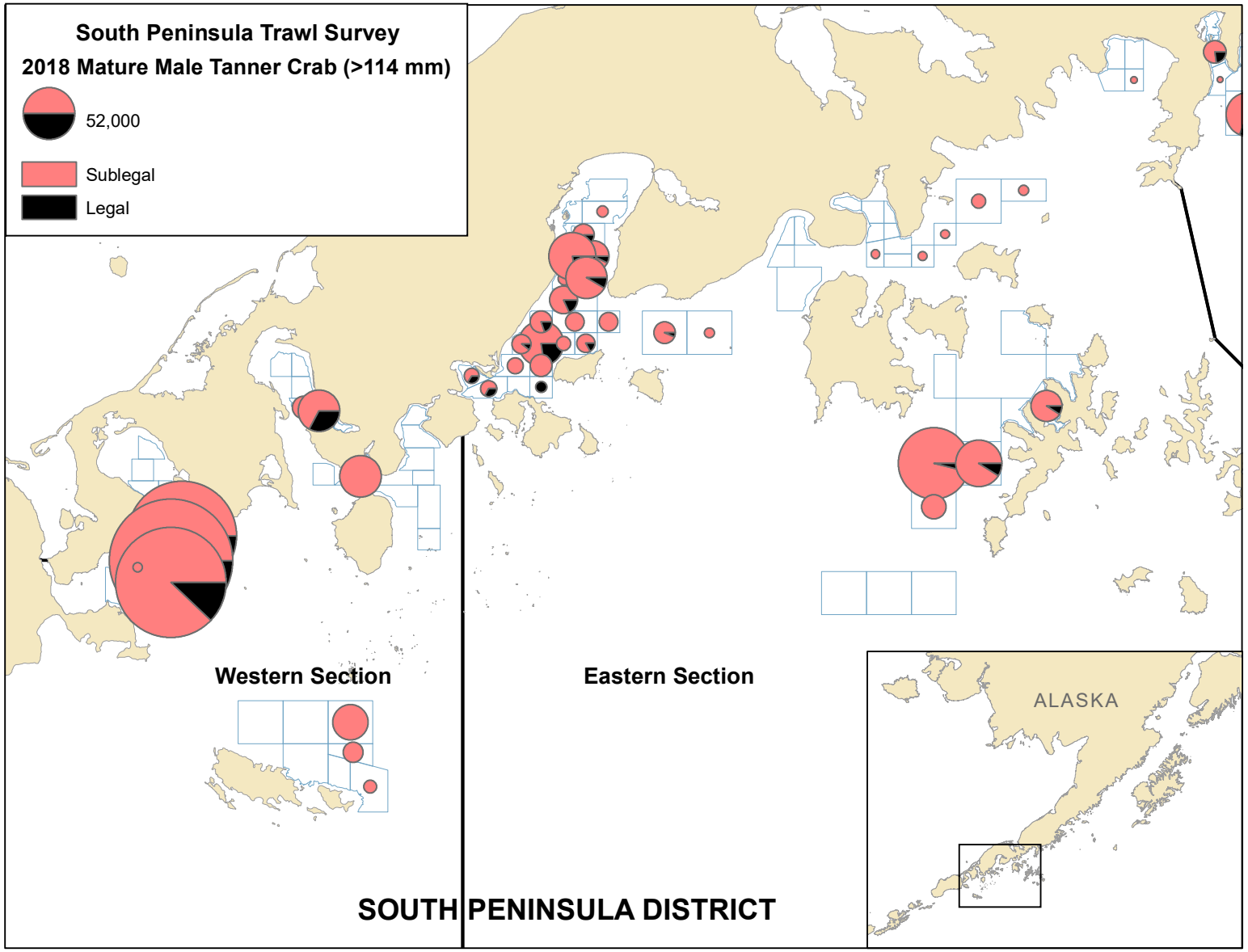

Figure 1.-Abundance estimates of mature male Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey.

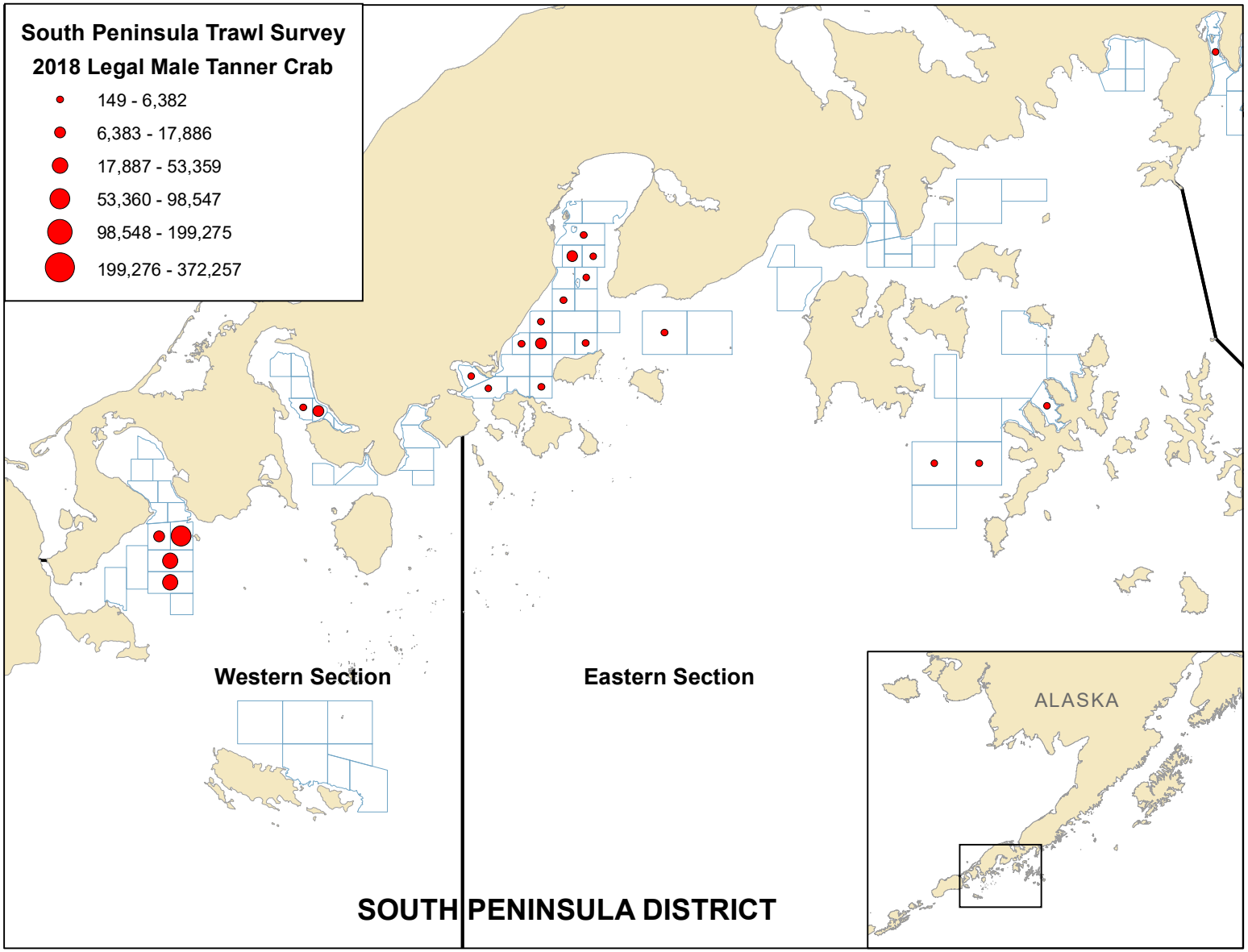

Figure 2.-Abundance estimates of legal-size male Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey.

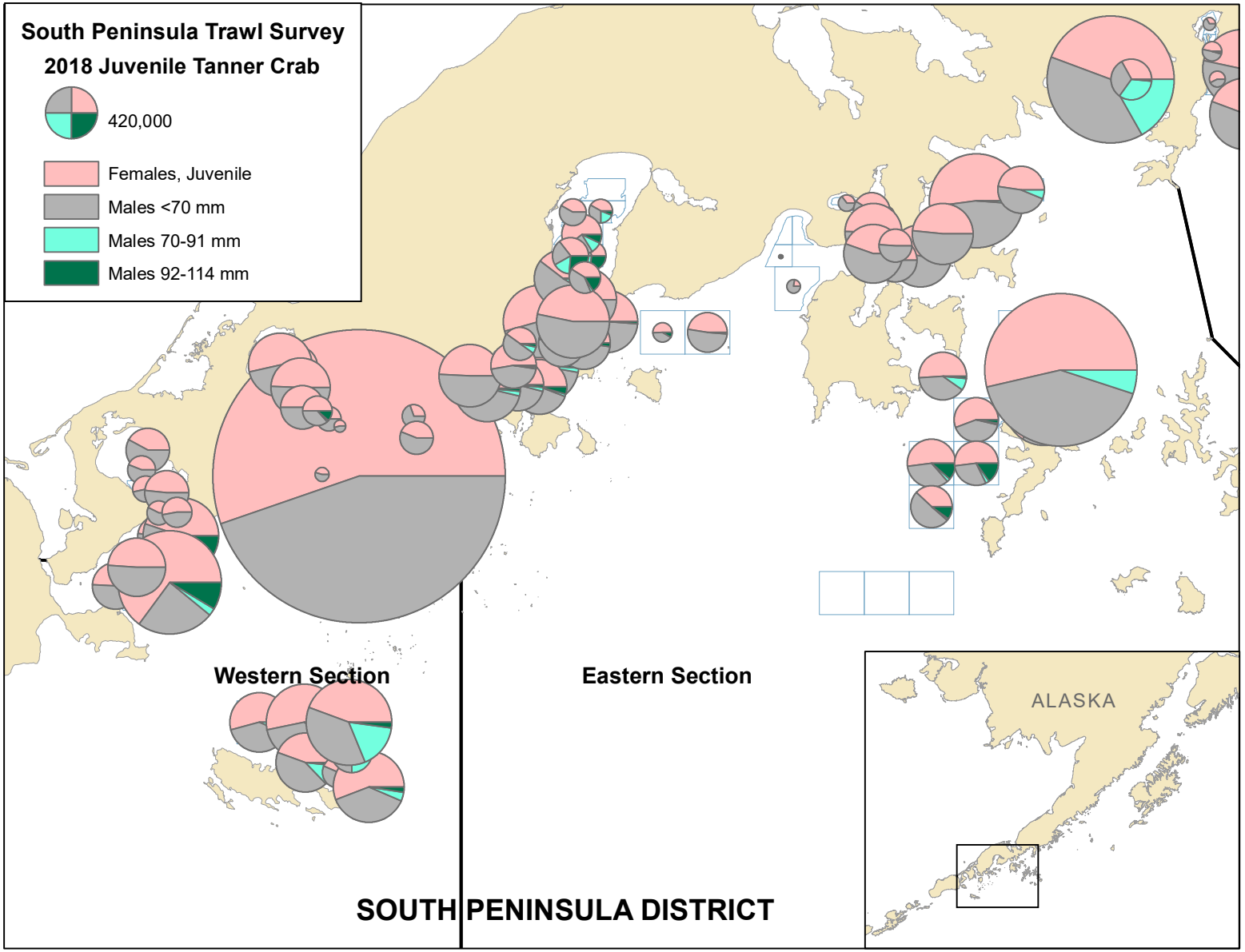

Figure 3.-Abundance estimates of juvenile Tanner crab in the South Peninsula District from the 2018 South Peninsula trawl survey.

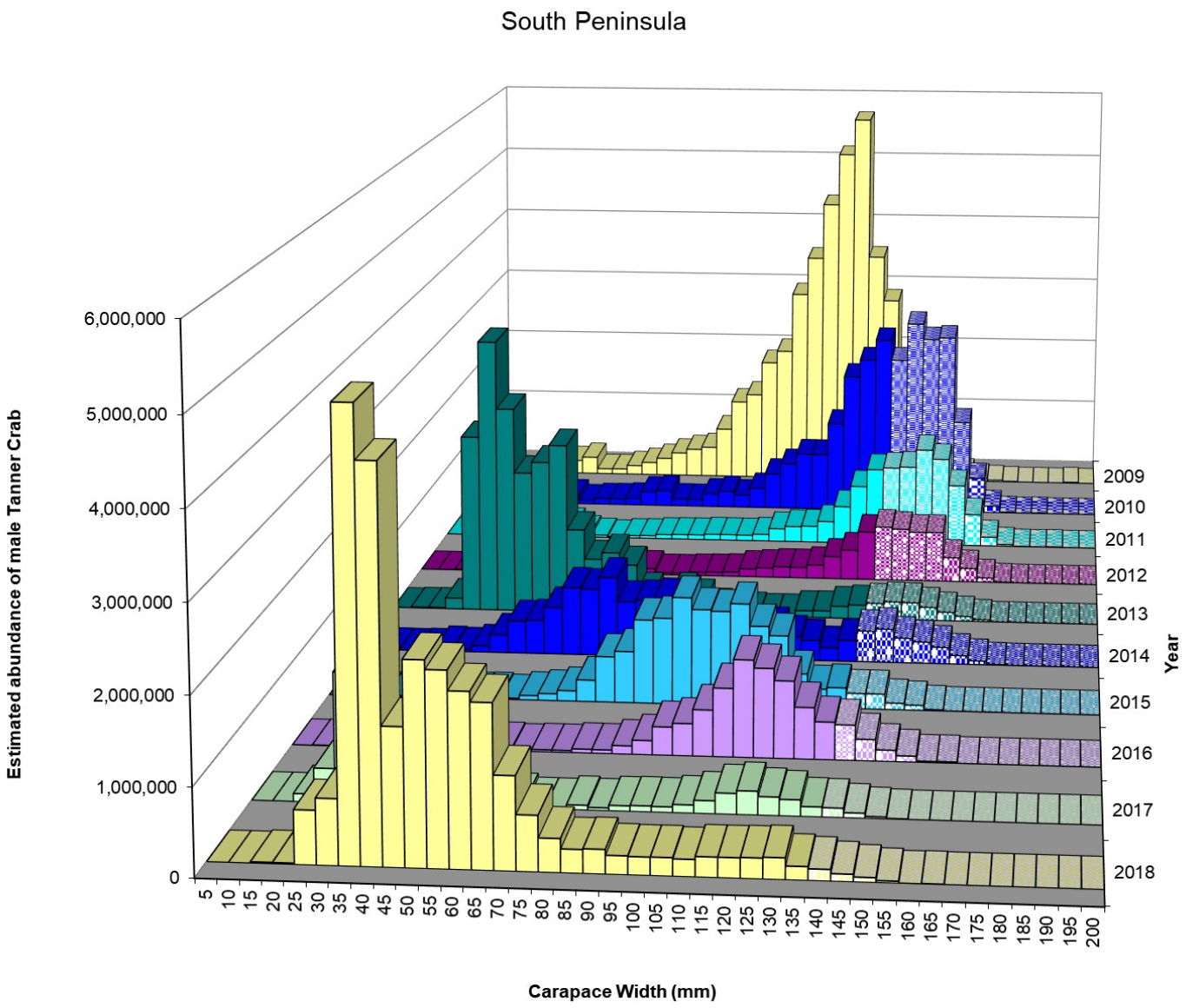

Figure 4.-Male Tanner crab abundance estimates by size, 2009–2018 South Peninsula District trawl surveys (legal crab lightly shaded).

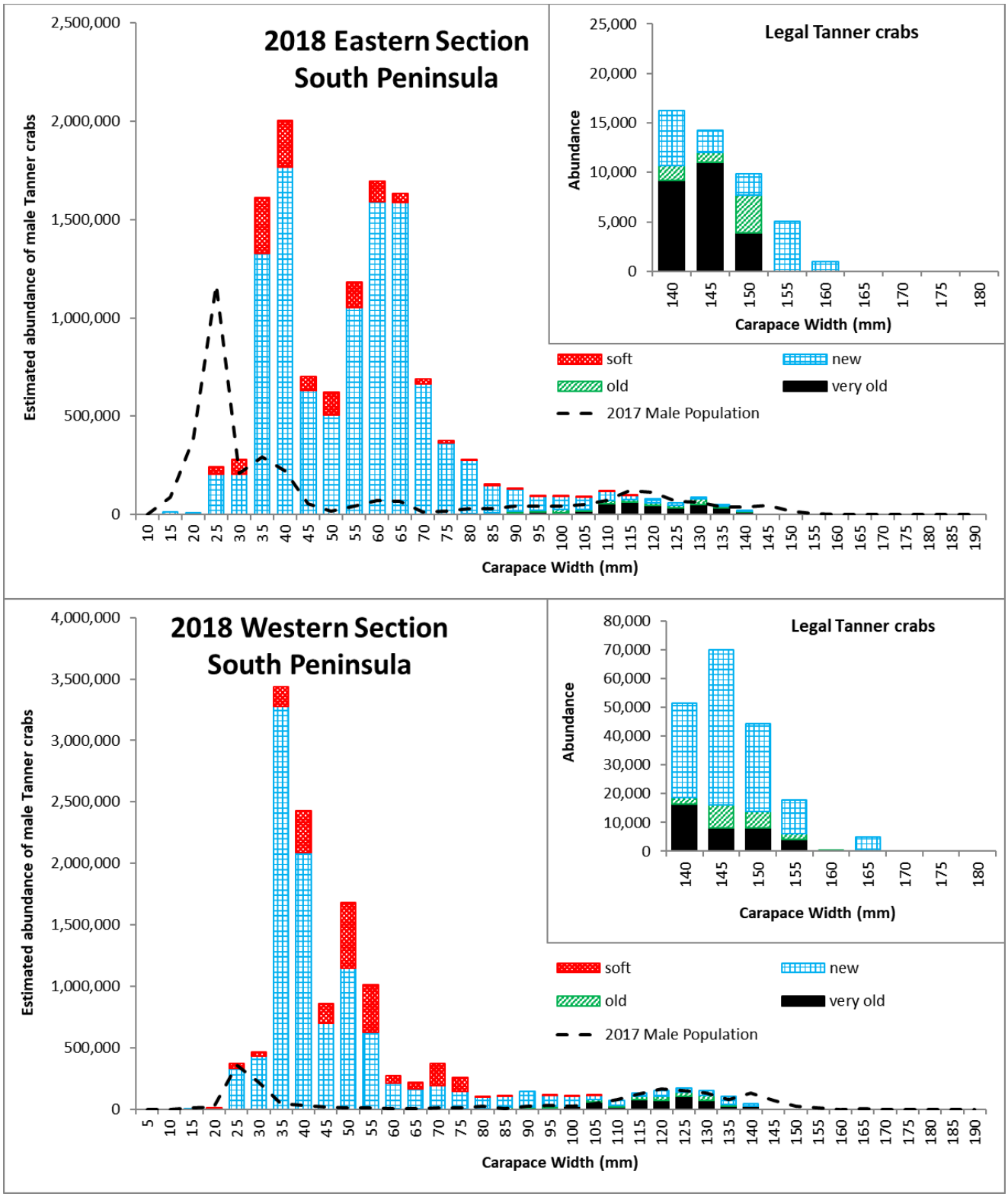

Figure 5.-Estimated abundance of male Tanner crabs in the Eastern and Western sections of the South Peninsula District by size and shell condition, with legal insets, 2018 trawl survey.

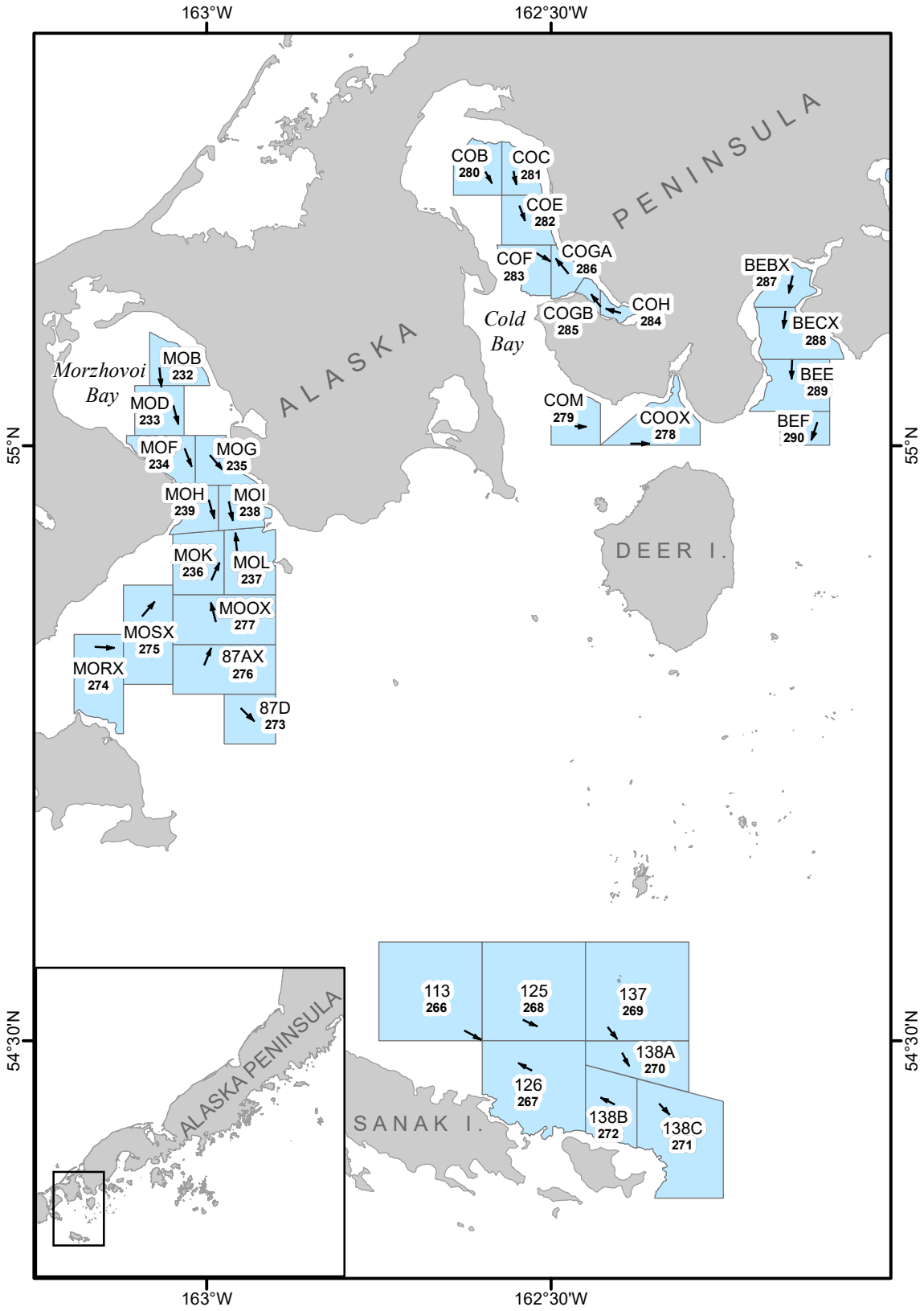

Figure 6.- Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Morzhovoi Bay, Cold Bay, Belkofski Bay, Deer Island, and Sanak Island, 2018.

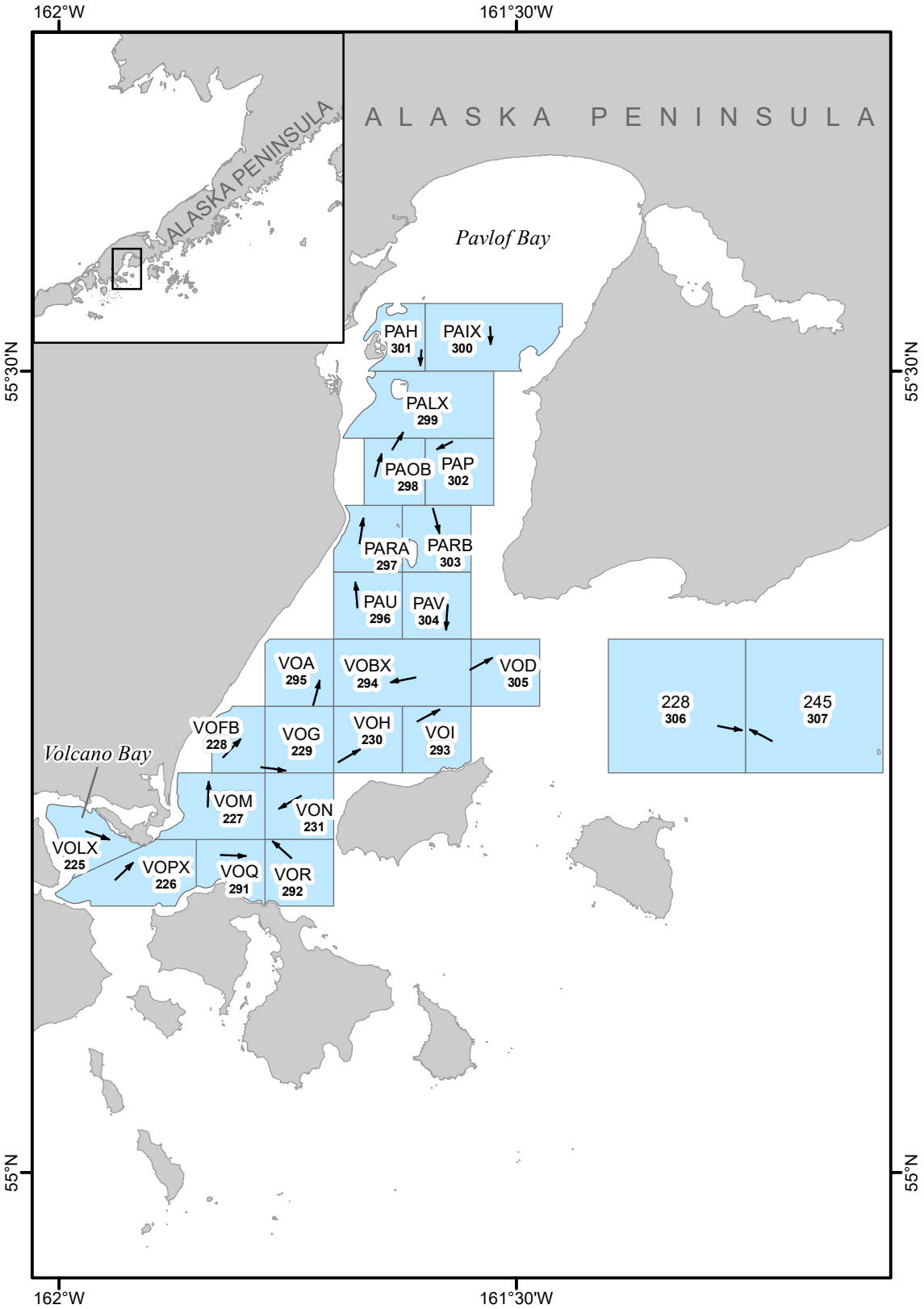

Figure 7.- Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Pavlof and Volcano bays, 2018.

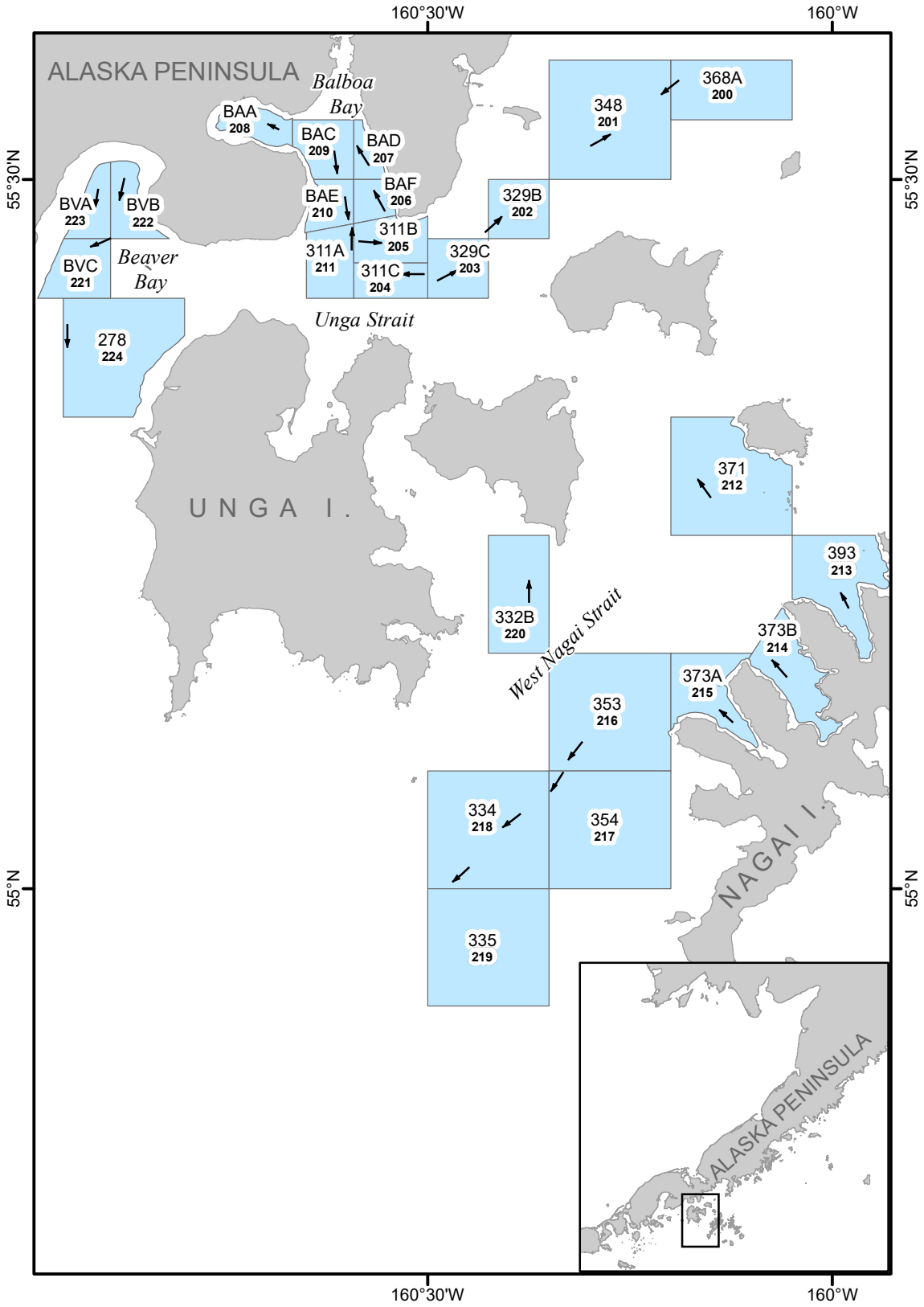

Figure 8.- Station boundaries with station designations, trawl haul numbers (bold) and locations (arrows), Unga Strait, Beaver Bay, Balboa Bay, and West Nagai Strait, 2018.

Table 1.– Abundance estimates of Tanner crab in the South Peninsula District by station, 2018.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males (CW)		Legal males	Total males	Total crab
		Juvenile	Adult	Total	<70 mm	70–91 mm	92–114 mm	>114 mm		<165 mm	≥165 mm			
SANAK ISLAND														
113	266	293,927	0	293,927	215,318	34,178	0	0	0	0	0	0	249,496	543,422
125	268	474,213	17,089	491,302	324,686	93,988	8,544	0	0	0	0	0	427,219	918,520
126	267	241,156	0	241,156	232,544	60,289	8,613	0	0	0	0	0	301,446	542,602
137	269	503,169	52,216	555,384	417,725	189,875	23,734	23,734	0	0	0	0	655,069	1,210,453
138A	270	100,117	13,477	113,595	92,416	53,909	9,627	7,701	0	0	0	0	163,653	277,248
138B	272	64,237	3,059	67,295	73,413	10,196	0	0	0	0	0	0	83,610	150,905
138C	271	438,118	22,063	460,181	296,281	31,519	18,912	3,152	0	0	0	0	349,864	810,045
Abundance Estimate		2,114,937	107,904	2,222,840	1,652,383	473,954	69,430	34,587	0	0	0	0	2,230,357	4,453,195
MORZHOVOI BAY														
87AX	276	1,079,439	359,813	1,439,253	404,009	36,728	142,831	208,126	8,162	20,404	0	28,566	820,260	2,259,513
87D	273	70,102	6,911	77,013	51,342	18,760	5,924	2,962	0	0	0	0	78,988	156,001
MOB	232	125,500	0	125,500	172,255	0	0	0	0	0	0	0	172,255	297,754
MOD	233	52,831	0	52,831	66,395	0	0	0	0	0	0	0	66,395	119,226
MOF	234	57,464	0	57,464	49,507	0	0	0	0	0	0	0	49,507	106,971
MOG	235	145,435	0	145,435	157,101	778	0	0	0	0	0	0	157,879	303,314
MOH	239	37,513	0	37,513	50,911	0	0	0	0	0	0	0	50,911	88,424
MOI	238	72,787	0	72,787	65,284	0	750	0	0	0	0	0	66,034	138,821
MOK	236	129,115	6,646	135,761	133,862	949	6,646	12,342	7,595	0	0	7,595	161,394	297,154
MOL	237	398,920	37,792	436,712	210,312	158,596	120,671	144,805	86,193	0	0	86,193	720,576	1,157,288
MOOX	277	135,862	220,775	356,637	73,881	57,463	61,568	242,166	28,732	24,627	0	53,359	488,437	845,074
MORX	274	167,066	0	167,066	171,541	0	0	0	0	0	0	0	171,541	338,606
MOSX	275	253,977	1,671	255,648	265,673	0	0	1,671	0	0	0	0	267,344	522,992
Abundance Estimate		2,726,011	633,608	3,359,620	1,872,073	273,274	338,390	612,072	130,682	45,031	0	175,713	3,271,521	6,631,138
COLD BAY/BELKOFSKI BAY														
BEBX	287	25,060	783	25,843	57,952	0	0	0	0	0	0	0	57,952	83,795
BECX	288	74,485	1,262	75,747	94,684	1,262	0	0	0	0	0	0	95,947	171,694
BEE	289	128,166	0	128,166	152,849	949	949	0	0	0	0	0	154,748	282,914
BEF	290	295,981	1,451	297,432	243,037	1,191	0	0	0	0	0	0	244,228	541,660
COB	280	334,566	0	334,566	289,776	1,323	0	0	0	0	0	0	291,099	625,665

-continued-

Table 1.- Page 2 of 4.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males (CW)		Legal males	Total males	Total crab
		Juvenile	Adult	Total	<70 mm	70–91 mm	92–114 mm	>114 mm		<165 mm	≥165 mm			
COC	281	126,077	0	126,077	120,674	0	0	0	0	0	0	0	120,674	246,751
COE	282	266,171	0	266,171	272,096	5,258	0	0	0	0	0	0	277,354	543,525
COF	283	144,746	5,878	150,624	128,962	9,747	6,748	7,498	2,249	0	0	2,249	155,204	305,828
COGA	286	67,337	13,467	80,805	49,200	2,866	15,285	22,451	955	10,031	0	10,986	100,789	181,593
COGB	285	44,883	0	44,883	48,978	245	0	490	0	0	0	0	49,713	94,596
COH	284	11,780	0	11,780	9,906	0	0	0	0	0	0	0	9,906	21,686
COM	279	13,671	1,367	15,038	16,405	0	0	0	0	0	0	0	16,405	31,443
COOX	278	7,339,565	27,002	7,366,567	5,936,702	3,682	39,275	33,139	0	0	0	0	6,012,797	13,379,364
Abundance Estimate		8,872,488	51,210	8,923,699	7,421,221	26,523	62,257	63,578	3,204	10,031	0	13,235	7,586,816	16,510,514
PAVLOF BAY/VOLCANO BAY														
228	306	29,463	2,266	31,729	23,797	0	5,666	8,499	0	567	0	567	38,528	70,257
245	307	113,600	0	113,600	123,843	931	2,793	1,862	0	0	0	0	129,429	243,029
PAH	301	46,117	0	46,117	64,983	0	1,048	0	0	0	0	0	66,031	112,148
PAIX	300	36,358	4,848	41,206	29,087	16,967	4,848	2,424	0	0	0	0	53,326	94,532
PALX	299	149,861	29,077	178,938	58,155	22,367	17,894	6,710	2,237	0	0	2,237	107,363	286,301
PAOB	298	71,315	77,098	148,413	46,259	30,839	53,968	33,730	3,855	5,782	0	9,637	174,434	322,847
PAP	302	38,136	11,835	49,971	28,930	27,615	35,506	17,095	1,315	0	0	1,315	110,462	160,432
PARA	297	203,013	3,060	206,074	265,615	35,936	7,812	3,125	0	0	0	0	312,489	518,562
PARB	303	63,411	38,598	102,008	61,573	3,676	24,813	30,327	1,838	919	0	2,757	123,145	225,154
PAU	296	318,288	6,398	324,686	261,638	14,912	9,489	12,201	2,711	0	0	2,711	300,952	625,638
PAV	304	319,663	4,795	324,458	319,733	3,150	1,575	0	0	0	0	0	324,458	648,917
VOA	295	436,592	0	436,592	352,035	14,442	5,416	7,221	0	1,805	0	1,805	380,920	817,512
VOBX	294	382,433	25,237	407,669	436,566	2,250	6,751	6,751	0	0	0	0	452,319	859,988
VOD	305	339,003	16,316	355,318	252,822	2,661	6,653	6,653	0	0	0	0	268,790	624,108
VOFB	228	68,811	9,633	78,444	86,701	11,010	5,505	6,193	0	688	0	688	110,097	188,541
VOG	229	79,360	9,798	89,158	83,279	8,818	3,919	30,372	0	8,818	0	8,818	135,206	224,364
VOH	230	158,903	5,778	164,681	151,198	16,372	9,630	3,852	0	0	0	0	181,053	345,734
VOI	293	222,216	6,837	229,053	203,514	0	9,691	5,384	0	1,077	0	1,077	219,666	448,719
VOLX	225	296,776	7,532	304,309	304,839	2,917	0	2,917	0	1,459	0	1,459	312,132	616,441
VOM	227	170,486	6,046	176,532	146,304	3,627	3,627	4,836	0	0	0	0	158,395	334,927
VON	231	489,723	10,931	500,655	452,906	16,175	11,554	9,243	0	0	0	0	489,877	990,532

-continued-

Table 1.- Page 3 of 4.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males (CW)		Legal males	Total males	Total crab
		Juvenile	Adult	Total	<70 mm	70–91 mm	92–114 mm	>114 mm		<165 mm	≥165 mm			
VOPX	226	352,383	16,518	368,901	315,004	13,476	11,792	3,369	1,685	0	0	1,685	345,325	714,226
VOQ	291	183,765	896	184,662	216,536	10,478	6,985	0	0	0	0	0	233,999	418,661
VOR	292	222,314	8,805	231,119	212,672	6,897	19,543	0	2,299	0	0	2,299	241,412	472,531
Abundance Estimate		4,791,990	302,302	5,094,293	4,497,989	265,516	266,478	202,764	15,940	21,115	0	37,055	5,269,808	10,364,101
BEAVER BAY/BALBOA BAY/UNGA STRAIT														
278	224	6,328	0	6,328	22,149	0	0	0	0	0	0	0	22,149	28,477
348	201	713,930	26,583	740,513	641,778	15,190	3,798	3,798	0	0	0	0	664,563	1,405,075
311A	211	235,518	2,201	237,719	293,447	1,482	2,964	1,482	0	0	0	0	299,375	537,094
311B	205	83,396	860	84,256	86,835	0	0	0	0	0	0	0	86,835	171,091
311C	204	138,082	6,439	144,521	148,813	2,862	715	0	0	0	0	0	152,391	296,911
329B	202	274,473	2,745	277,217	294,136	4,548	4,548	1,516	0	0	0	0	304,749	581,967
329C	203	284,869	22,729	307,597	302,385	8,894	1,482	1,482	0	0	0	0	314,243	621,841
368A	200	161,505	3,892	165,396	155,667	21,404	1,946	1,946	0	0	0	0	180,963	346,359
BAA	208	15,063	0	15,063	27,469	0	0	0	0	0	0	0	27,469	42,532
BAC	209	85,945	0	85,945	112,102	8,968	0	0	0	0	0	0	121,070	207,015
BAD	207	18,012	0	18,012	17,277	0	0	0	0	0	0	0	17,277	35,289
BAE	210	252,547	12,885	265,432	216,432	32,646	8,464	0	0	0	0	0	257,542	522,973
BAF	206	0	0	0	418	0	418	0	0	0	0	0	835	835
BVA	223	0	0	0	0	0	0	0	0	0	0	0	0	0
BVB	222	0	0	0	0	0	0	0	0	0	0	0	0	0
BVC	221	835	835	1,671	835	835	0	0	0	0	0	0	1,671	3,342
Abundance Estimate		2,270,503	79,169	2,349,670	2,319,743	96,829	24,335	10,224	0	0	0	0	2,451,132	4,800,801
STEPOVAK BAY														
STA	197	35,326	0	35,326	40,904	1,859	0	0	0	0	0	0	42,763	78,089
STB	198	94,406	0	94,406	119,469	3,342	0	0	0	0	0	0	122,811	217,217
STD	196	1,109,465	5,439	1,114,903	978,318	419,279	0	0	0	0	0	0	1,397,597	2,512,500
STE	199	84,637	0	84,637	82,245	85,535	4,112	822	0	0	0	0	172,715	257,352
Abundance Estimate		1,323,834	5,439	1,329,272	1,220,936	510,015	4,112	822	0	0	0	0	1,735,886	3,065,158

-continued-

Table 1.- Page 4 of 4.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males (CW)		Legal males	Total males	Total crab
		Juvenile	Adult	Total	<70 mm	70–91 mm	92–114 mm	>114 mm		<165 mm	≥165 mm			
WEST NAGAI STRAIT														
334	218	189,875	87,343	277,218	125,318	7,595	41,773	94,938	0	3,798	0	3,798	273,420	550,638
335	219	102,533	3,798	106,330	136,710	3,798	26,583	11,393	0	0	0	0	178,483	284,813
353	216	167,758	3,813	171,571	122,006	3,813	7,625	0	0	0	0	0	133,444	305,015
354	217	155,698	60,760	216,458	91,140	7,595	45,570	37,975	0	3,798	0	3,798	186,078	402,535
371	212	10,103	0	10,103	20,206	3,368	0	0	0	0	0	0	23,573	33,676
393	213	1,930,605	154,086	2,084,691	1,487,505	181,403	9,070	0	0	0	0	0	1,677,979	3,762,669
332B	220	182,280	1,899	184,179	140,508	28,481	5,696	0	0	0	0	0	174,685	358,864
373A	215	3,103	0	3,103	6,205	0	0	0	0	0	0	0	6,205	9,308
373B	214	644,902	32,736	677,638	206,956	112,885	11,973	17,104	0	1,710	0	1,710	350,628	1,028,266
Abundance Estimate		3,386,857	344,435	3,731,291	2,336,554	348,938	148,290	161,410	0	9,306	0	9,306	3,004,495	6,735,784
Western Section[a]		13,713,436	792,722	14,506,159	10,945,677	773,751	470,077	710,237	133,886	55,062	0	188,948	13,088,694	27,594,847
Eastern Section[b]		11,773,184	731,345	12,504,526	10,375,222	1,221,298	443,215	375,220	15,940	30,421	0	46,361	12,461,321	24,965,844
South Peninsula District Total		25,486,620	1,524,067	27,010,685	21,320,899	1,995,049	913,292	1,085,457	149,826	85,483	0	235,309	25,550,015	52,560,691

[a] Western Section of the South Peninsula District includes Sanak Island, Morzhovoi Bay, and Cold Bay/Belkofski Bay.
[b] Eastern Section of the South Peninsula District includes Pavlof Bay/Volcano Bay, Beaver Bay/Balboa Bay/Unga Strait, West Nagai Strait, and Stepovak Bay.

Table 2.- Fishing log from the South Peninsula District trawl survey, 2018.

Haul	196	197	198	199	200	201	202	203	204	205	206	207	208	209
Location	Stepovak	Stepovak	Stepovak	Stepovak	Beaver	Beaver	Beaver	Beaver	Beaver	Beaver	Beaver	Beaver	Beaver	Beaver
Month/Day/Year	7/29/2018	7/29/2018	7/29/2018	7/29/2018	7/29/2018	7/29/2018	7/29/2018	7/30/2018	7/30/2018	7/30/2018	7/30/2018	7/30/2018	7/30/2018	7/30/2018
Station	STD	STA	STB	STE	368A	348	329B	329C	311C	311B	BAF	BAD	BAA	BAC
Longitude Start (°W)	159.8253	159.814	159.771	159.7658	160.1897	160.2992	160.4293	160.4883	160.5038	160.5855	160.5528	160.5722	160.6833	160.6155
Latitude Start (°N)	55.753	55.8062	55.8258	55.7928	55.5695	55.5233	55.4627	55.429	55.4335	55.4567	55.4777	55.5097	55.535	55.5203
Heading, Degrees	29	5	159	180	225	58	50	67	272	97	341	326	318	172
Average Depth (m)	118.8	96.92	107.8	118.8	179.2	201.1	182.8	131.6	131.6	131.6	82.29	93.26	29.25	100.5
Distance Fished (km)	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.11	1.85
Haul	210	211	212	213	214	215	216	217	218	219	220	221	222	223
Location	Beaver	Beaver	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	Beaver	Beaver	Beaver
Month/Day/Year	7/30/2018	7/31/2018	7/31/2018	7/31/2018	7/31/2018	7/31/2018	7/31/2018	8/1/2018	8/1/2018	8/1/2018	8/1/2018	8/2/2018	8/2/2018	8/2/2018
Station	BAE	311A	371	393	373B	373A	353	354	334	335	332B	BVC	BVB	BVA
Longitude Start (°W)	160.6022	160.5942	160.1503	159.98	160.0562	160.1233	160.3092	160.3323	160.3853	160.4483	160.375	160.8907	160.8742	160.907
Latitude Start (°N)	55.488	55.4503	55.2763	55.1985	55.1497	55.1177	55.1042	55.0827	55.0533	55.0153	55.2023	55.4587	55.5012	55.4935
Heading, Degrees	168	4	334	343	328	309	220	219	238	237	9	253	195	204
Average Depth (m)	118.8	122.5	131.6	73.14	76.8	27.43	146.2	140.8	148.1	131.6	162.7	85.94	38.4	45.71
Distance Fished (km)	1.85	1.85	1.85	1.48	1.85	1.48	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.48
Haul	224	225	226	227	228	229	230	231	232	233	234	235	236	237
Location	Beaver	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.
Month/Day/Year	8/2/2018	8/3/2018	8/3/2018	8/3/2018	8/3/2018	8/3/2018	8/3/2018	8/3/2018	8/4/2018	8/4/2018	8/4/2018	8/4/2018	8/4/2018	8/4/2018
Station	278	VOLX	VOPX	VOM	VOFB	VOG	VOH	VON	MOB	MOD	MOF	MOG	MOK	MOL
Longitude Start (°W)	160.945	161.9713	161.9393	161.8375	161.8215	161.7803	161.6955	161.7352	163.0692	163.0487	163.0328	162.9962	162.9937	162.9563
Latitude Start (°N)	55.3985	55.2135	55.1828	55.2285	55.2593	55.2537	55.2565	55.236	55.0648	55.0335	54.9977	54.9918	54.8872	54.911
Heading, Degrees	189	114	52	348	43	110	68	239	183	175	169	119	26	346
Average Depth (m)	107.8	74.97	82.29	87.77	96.92	104.2	107.8	118.8	76.8	91.43	80.46	91.43	126.1	137.1
Distance Fished (km)	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Haul	238	239	266	267	268	269	270	271	272	273	274	275	276	277
Location	Morzhov.	Morzhov.	Sanak I.	Sanak I.	Sanak I.	Sanak I.	Sanak I.	Sanak I.	Sanak I.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.
Month/Day/Year	8/4/2018	8/4/2018	8/14/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/16/2018	8/16/2018	8/16/2018	8/16/2018
Station	MOI	MOH	113	126	125	137	138A	138C	138B	87D	MORX	MOSX	87AX	MOOX
Longitude Start (°W)	162.968	162.9978	162.6262	162.528	162.5408	162.418	162.3972	162.3433	162.4075	162.9513	163.1632	163.0948	163.0043	162.9868
Latitude Start (°N)	54.9532	54.9545	54.5083	54.4747	54.5175	54.5117	54.4898	54.4468	54.446	54.7803	54.8315	54.8568	54.816	54.8522
Heading, Degrees	169	177	122	301	115	146	153	138	301	136	100	48	49	349
Average Depth (m)	113.3	98.75	137.1	138.9	146.2	144.4	142.6	142.6	144.4	89.6	91.43	95.09	84.12	95.09
Distance Fished (km)	1.85	1.85	1.85	1.48	1.48	1.48	1.48	1.48	1.48	1.85	1.85	1.85	1.85	1.85

-continued-

Table 2.- Page 2 of 2.

Haul	278	279	280	281	282	283	284	285	286	287	288	289	290	291
Location	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Pavlof
Month/Day/Year	8/16/2018	8/16/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/18/2018	8/18/2018	8/18/2018	8/18/2018	8/19/2018
Station	COOX	COM	COB	COC	COE	COF	COH	COGB	COGA	BEBX	BECX	BEE	BEF	VOQ
Longitude Start (°W)	162.3853	162.4655	162.5955	162.5548	162.5465	162.5255	162.3983	162.4277	162.4743	162.1493	162.1598	162.1497	162.113	161.824
Latitude Start (°N)	55.0013	55.0158	55.2277	55.2283	55.1998	55.1615	55.1102	55.1153	55.143	55.1415	55.1122	55.0713	55.0193	55.1987
Heading, Degrees	99	97	154	171	153	132	292	328	329	198	191	169	178	78
Average Depth (m)	102.4	76.8	51.2	45.71	65.83	95.09	43.88	53.03	95.09	65.83	78.63	82.29	95.09	93.26
Distance Fished (km)	1.85	1.11	1.29	1.29	1.48	1.85	1.48	1.48	1.85	1.66	1.66	1.85	1.85	1.85

Haul	292	293	294	295	296	297	298	299	300	301	302	303	304	305
Location	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof
Month/Day/Year	8/19/2018	8/19/2018	8/19/2018	8/19/2018	8/19/2018	8/19/2018	8/19/2018	8/19/2018	8/20/2018	8/20/2018	8/20/2018	8/20/2018	8/20/2018	8/20/2018
Station	VOR	VOI	VOBX	VOA	PAU	PARA	PAOB	PALX	PAIX	PAH	PAP	PARB	PAV	VOD
Longitude Start (°W)	161.7455	161.6093	161.6098	161.7225	161.6742	161.6717	161.655	161.636	161.529	161.6042	161.5697	161.5915	161.5753	161.5518
Latitude Start (°N)	55.1965	55.282	55.3097	55.2918	55.3528	55.3925	55.4343	55.4508	55.5278	55.5132	55.4563	55.415	55.3553	55.314
Heading, Degrees	311	57	256	23	9	11	21	42	181	178	251	174	179	64
Average Depth (m)	118.8	106	96.92	109.7	128	104.2	91.43	91.43	38.4	54.86	74.97	82.29	95.09	111.5
Distance Fished (km)	1.85	1.85	1.85	1.85	1.85	1.85	1.66	1.48	1.29	1.11	1.29	1.85	1.85	1.85

Haul	306	307
Location	Pavlof	Pavlof
Month/Day/Year	8/20/2018	8/20/2018
Station	228	245
Longitude Start (°W)	161.2808	161.2203
Latitude Start (°N)	55.2792	55.2697
Heading, Degrees	98	304
Average Depth (m)	82.29	82.29
Distance Fished (km)	1.85	1.85