

Table 4. Island-area counts by age-sex class and category total for California sea lions, northern elephant seals, northern fur seals, Pacific harbor seals, Steller sea lions, and Guadalupe fur seals from aerial photographs taken at the Channel Islands during July 2016 – 2019. Counts are provided only for island-areas having animals. Refer to Figures 3 and 4 for location of island-areas.

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
Anacapa Island	680	2016-Jul-05	78	0	67	639	11	650	9	17	743	821
		2017-Jul-09	114	0	132	339	111	450	16	15	613	727
		2018-Jul-07	44	0	200	450	5	455	19	17	691	735
		2019-Jul-05	128	0	114	284	35	319	25	30	488	616
Richardson Rock	103	2016-Jul-06	0	0	33	66	14	80	12	8	133	133
		2017-Jul-25	1	0	26	105	10	115	14	3	158	159
		2018-Aug-07	1	0	38	16	3	19	3	0	60	61
		2019-Jul-07	0	0	28	156	2	158	16	4	206	206
San Clemente Island	404	2016-Jul-08	0	0	12	48	0	48	2	3	65	65
		2017-Jul-08	0	0	47	174	9	183	20	10	260	260
		2018-Jul-06	0	0	31	21	11	32	11	7	81	81
	406	2016-Jul-08	600	0	37	835	22	857	37	102	1,033	1,633
		2017-Jul-08	971	0	96	926	49	975	28	108	1,207	2,178
		2018-Jul-06	934	0	60	795	20	815	32	99	1,006	1,940
		2019-Jul-06	822	1	62	575	16	591	29	109	791	1,613
	407	2016-Jul-08	303	1	33	547	72	619	83	67	802	1,105
		2017-Jul-08	582	1	61	557	65	622	93	81	857	1,439
		2018-Jul-06	520	0	57	477	66	543	58	73	731	1,251
		2019-Jul-06	565	1	37	345	25	370	78	76	561	1,126
	410	2017-Jul-08	0	0	11	26	3	29	0	2	42	42
		2018-Jul-06	0	0	1	3	5	8	4	1	14	14
		2019-Jul-06	0	0	0	3	0	3	3	0	6	6
	411	2016-Jul-08	11	0	42	310	0	310	9	10	371	382
		2017-Jul-08	30	0	77	245	17	262	7	10	356	386
		2018-Jul-06	14	0	95	119	4	123	4	9	231	245
		2019-Jul-06	21	0	39	140	12	152	19	3	213	234
San Miguel Island	A	2016-Jul-06	16	0	400	1,841	433	2,274	328	77	3,079	3,095
		2017-Jul-25	11	0	570	7	767	774	302	53	1,699	1,710
		2018-Aug-07	2	0	593	65	96	161	21	5	780	782
		2019-Jul-07	16	0	451	556	468	1,024	485	100	2,060	2,076
	B	2016-Jul-06	128	0	177	1,774	148	1,922	35	26	2,160	2,288
		2017-Jul-25	382	2	378	1,611	401	2,012	31	25	2,446	2,828
		2018-Aug-07	573	5	821	803	130	933	5	5	1,764	2,337
		2019-Jul-07	397	0	121	477	18	495	2	21	639	1,036

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
San Miguel Island	C	2016-Jul-06	1,018	6	90	1,780	148	1,928	81	101	2,200	3,218
		2017-Jul-25	1,358	10	131	1,418	119	1,537	23	72	1,763	3,121
		2018-Aug-07	1,341	16	375	954	35	989	3	13	1,380	2,721
		2019-Jul-07	1,183	6	154	1,452	19	1,471	49	99	1,773	2,956
	D	2016-Jul-06	0	0	0	1	1	2	8	8	18	18
		2017-Jul-25	0	0	0	0	5	5	8	24	37	37
		2018-Aug-07	0	0	0	0	0	0	1	0	1	1
		2019-Jul-07	0	0	1	1	4	5	28	33	67	67
	E	2016-Jul-06	0	0	0	1	1	2	28	25	55	55
		2017-Jul-25	0	0	0	0	1	1	9	33	43	43
		2019-Jul-07	0	0	8	15	11	26	42	73	149	149
	F	2016-Jul-06	28	0	17	54	35	89	242	405	753	781
		2017-Jul-25	219	0	39	190	35	225	96	175	535	754
		2018-Aug-07	304	1	151	204	5	209	5	6	371	675
		2019-Jul-07	477	0	132	588	31	619	175	393	1,319	1,796
	G	2016-Jul-06	1,943	16	93	1,483	96	1,579	155	247	2,074	4,017
		2017-Jul-25	2,744	16	91	1,508	49	1,557	56	116	1,820	4,564
		2018-Aug-07	2,957	13	975	1,993	100	2,093	8	24	3,100	6,057
		2019-Jul-07	2,933	4	471	2,149	40	2,189	56	187	2,903	5,836
	H	2016-Jul-06	10,026	177	496	9,017	429	9,446	1,119	1,767	12,828	22,854
		2017-Jul-25	12,752	204	599	7,492	422	7,914	327	643	9,483	22,235
		2018-Aug-07	12,142	137	2,471	8,812	316	9,128	34	82	11,715	23,857
		2019-Jul-07	13,169	185	2,488	9,594	342	9,936	716	1,403	14,543	27,712
	I	2016-Jul-06	224	1	5	352	70	422	733	801	1,961	2,185
		2017-Jul-25	344	2	37	405	54	459	184	292	972	1,316
		2018-Aug-07	312	1	125	229	22	251	9	3	388	700
		2019-Jul-07	538	2	109	421	89	510	365	734	1,718	2,256
	J	2016-Jul-06	3,429	10	199	4,196	267	4,463	804	543	6,009	9,438
		2017-Jul-25	4,516	44	533	3,193	277	3,470	336	196	4,535	9,051
		2018-Aug-07	4,787	69	1,742	2,835	221	3,056	7	22	4,827	9,614
		2019-Jul-07	5,345	24	2,062	4,206	532	4,738	536	406	7,742	13,087
	K	2016-Jul-06	0	1	0	0	4	4	8	25	37	37
		2017-Jul-25	0	1	1	0	2	2	1	2	6	6
		2018-Aug-07	0	4	0	0	0	0	0	0	0	0
		2019-Jul-07	0	0	0	1	2	3	25	69	97	97
	L	2016-Jul-06	148	1	125	1,533	59	1,592	78	34	1,829	1,977
		2017-Jul-25	236	1	955	985	181	1,166	19	11	2,151	2,387
		2018-Aug-07	283	11	1,124	492	121	613	6	3	1,746	2,029

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
San Miguel Island	L	2019-Jul-07	356	0	386	834	72	906	33	28	1,353	1,709
	M	2016-Jul-06	0	0	0	0	1	1	1	2	4	4
		2017-Jul-25	0	0	1	0	0	0	1	0	2	2
		2019-Jul-07	0	0	0	0	0	0	6	0	6	6
	N	2016-Jul-06	0	0	0	0	2	2	3	1	6	6
		2017-Jul-25	0	0	26	0	15	15	21	11	73	73
		2019-Jul-07	0	0	5	0	15	15	92	35	147	147
	O	2016-Jul-06	548	0	35	606	11	617	3	80	735	1,283
		2017-Jul-25	541	5	45	457	21	478	9	52	584	1,125
		2018-Aug-07	622	1	160	651	11	662	3	4	829	1,451
		2019-Jul-07	740	3	55	477	2	479	3	70	607	1,347
San Nicolas Island	A	2016-Jul-05	126	0	58	336	65	401	32	16	507	633
		2017-Jul-08	219	6	59	157	99	256	26	20	361	580
		2018-Aug-07	328	2	9	84	8	92	1	3	105	433
		2019-Jul-08	278	0	142	236	98	334	72	36	584	862
	B	2016-Jul-05	377	0	8	380	20	400	7	31	446	823
		2017-Jul-08	732	1	32	454	13	467	1	36	536	1,268
		2018-Aug-07	624	3	21	277	9	286	1	5	313	937
		2019-Jul-08	705	2	30	359	5	364	2	38	434	1,139
	C	2016-Jul-05	419	0	13	430	145	575	248	159	995	1,414
		2017-Jul-08	619	13	14	298	109	407	220	204	845	1,464
		2018-Aug-07	644	7	31	288	25	313	10	7	361	1,005
		2019-Jul-08	615	2	39	286	21	307	210	244	800	1,415
	D	2016-Jul-05	2,340	14	47	1,938	44	1,982	37	159	2,225	4,565
		2017-Jul-08	3,759	27	107	1,922	61	1,983	15	168	2,273	6,032
		2018-Aug-07	3,303	26	107	1,268	71	1,339	13	29	1,488	4,791
		2019-Jul-08	3,530	6	216	1,700	20	1,720	55	166	2,157	5,687
	E	2016-Jul-05	409	1	26	628	87	715	191	146	1,078	1,487
		2017-Jul-08	747	1	52	413	87	500	183	202	937	1,684
		2018-Aug-07	537	3	81	538	46	584	10	5	680	1,217
		2019-Jul-08	654	0	96	434	47	481	181	219	977	1,631
	F	2016-Jul-05	1,620	10	62	1,625	49	1,674	36	141	1,913	3,533
		2017-Jul-08	2,512	9	73	1,309	43	1,352	21	156	1,602	4,114
		2018-Aug-07	2,227	12	102	1,110	52	1,162	11	23	1,298	3,525
		2019-Jul-08	2,452	9	166	1,259	38	1,297	49	184	1,696	4,148
	G	2016-Jul-05	111	0	7	188	54	242	290	235	774	885
		2017-Jul-08	98	1	6	73	87	160	192	238	596	694
		2018-Aug-07	108	6	30	116	13	129	4	2	165	273

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
San Nicolas Island	G	2019-Jul-08	118	0	42	103	41	144	219	241	646	764
	H	2016-Jul-05	2,259	10	84	2,186	93	2,279	83	282	2,728	4,987
		2017-Jul-08	2,989	16	105	1,550	58	1,608	63	253	2,029	5,018
		2018-Aug-07	2,923	8	128	1,594	47	1,641	7	30	1,806	4,729
		2019-Jul-08	3,092	20	261	1,547	65	1,612	58	294	2,225	5,317
	I	2016-Jul-05	819	4	46	640	66	706	151	169	1,072	1,891
		2017-Jul-08	1,039	5	43	455	46	501	181	175	900	1,939
		2018-Aug-07	867	7	35	319	8	327	0	9	371	1,238
		2019-Jul-08	1,040	1	78	488	24	512	106	193	889	1,929
	J	2016-Jul-05	1,672	12	131	2,090	80	2,170	134	164	2,599	4,271
		2017-Jul-08	2,229	14	117	1,323	76	1,399	49	187	1,752	3,981
		2018-Aug-07	2,334	9	148	1,397	38	1,435	3	15	1,601	3,935
		2019-Jul-08	2,272	13	240	1,371	57	1,428	94	196	1,958	4,230
	K	2016-Jul-05	0	0	2	36	37	73	200	170	445	445
		2017-Jul-08	0	0	1	0	67	67	180	205	453	453
		2018-Aug-07	0	0	0	0	0	0	1	0	1	1
		2019-Jul-08	0	0	2	2	6	8	139	270	419	419
	L	2016-Jul-05	3,244	11	142	3,184	45	3,229	165	359	3,895	7,139
		2017-Jul-08	4,294	20	205	2,422	102	2,524	105	353	3,187	7,481
		2018-Aug-07	4,562	9	217	2,056	70	2,126	18	16	2,377	6,939
		2019-Jul-08	4,285	14	395	2,383	82	2,465	76	313	3,249	7,534
	M	2016-Jul-05	1,458	1	107	2,260	104	2,364	317	255	3,043	4,501
		2017-Jul-08	1,978	3	96	1,487	139	1,626	313	285	2,320	4,298
		2018-Aug-07	2,453	0	150	1,168	12	1,180	2	16	1,348	3,801
		2019-Jul-08	2,339	7	368	1,398	88	1,486	225	330	2,409	4,748
	N	2016-Jul-05	0	0	1	4	2	6	4	6	17	17
		2017-Jul-08	0	1	0	0	7	7	25	31	63	63
		2019-Jul-08	0	0	0	0	1	1	5	14	20	20
	O	2016-Jul-05	0	0	0	2	0	2	0	1	3	3
		2017-Jul-08	0	0	0	0	0	0	1	2	3	3
		2019-Jul-08	0	0	0	0	0	0	1	0	1	1
	P	2017-Jul-08	0	0	0	0	0	0	4	13	17	17
		2019-Jul-08	0	0	0	0	0	0	3	2	5	5
	Q	2016-Jul-05	90	1	205	2,403	377	2,780	465	152	3,602	3,692
		2017-Jul-08	152	3	915	1,254	598	1,852	670	238	3,675	3,827
		2018-Aug-07	151	1	396	517	100	617	28	3	1,044	1,195
		2019-Jul-08	213	2	736	894	346	1,240	625	279	2,880	3,093

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
Santa Barbara Island	A	2016-Jul-05	993	3	66	958	10	968	30	77	1,141	2,134
		2017-Jul-08	2,124	11	40	904	18	922	13	94	1,069	3,193
		2018-Jul-07	1,158	7	44	957	11	968	1	100	1,113	2,271
		2018-Aug-07	1,145	1	27	485	0	485	0	15	527	1,672
	B	2016-Jul-05	6	0	16	57	74	131	58	52	257	263
		2017-Jul-08	11	2	9	82	67	149	78	49	285	296
		2018-Jul-07	2	0	7	36	21	57	55	58	177	179
		2018-Aug-07	6	0	2	22	19	41	6	3	52	58
	C	2016-Jul-05	125	0	10	154	60	214	17	19	260	385
		2017-Jul-08	176	0	14	157	10	167	3	21	205	381
		2018-Jul-07	183	0	11	208	2	210	1	16	238	421
		2018-Aug-07	111	0	1	38	0	38	1	3	43	154
	D	2016-Jul-05	356	0	19	445	38	483	13	58	573	929
		2017-Jul-08	664	0	33	405	33	438	36	57	564	1,228
		2018-Jul-07	452	0	16	420	20	440	11	49	516	968
		2018-Aug-07	337	0	29	232	3	235	1	9	274	611
	E	2016-Jul-05	1	0	10	55	28	83	40	47	180	181
		2017-Jul-08	0	0	47	56	48	104	56	50	257	257
		2018-Jul-07	0	0	19	3	40	43	26	36	124	124
		2018-Aug-07	0	0	5	3	0	3	0	0	8	8
Santa Catalina Island	502C	2016-Jul-08	31	0	22	259	2	261	8	11	302	333
		2017-Jul-08	54	0	35	153	7	160	0	8	203	257
		2018-Jul-06	58	0	71	118	10	128	3	8	210	268
		2019-Jul-06	66	0	48	197	4	201	11	15	275	341
	502D	2019-Jul-06	0	0	1	0	0	0	0	3	4	4
	506	2016-Jul-08	0	0	3	20	0	20	0	0	23	23
		2017-Jul-08	0	0	0	20	0	20	0	1	21	21
		2018-Jul-06	0	0	9	10	0	10	0	0	19	19
	522	2017-Jul-08	0	0	0	0	3	3	0	0	3	3
		2018-Jul-06	0	0	4	4	2	6	0	0	10	10
		2019-Jul-06	0	0	11	2	0	2	0	1	14	14
Santa Cruz Island	641	2017-Jul-09	0	0	138	26	11	37	4	1	180	180
		2019-Jul-05	0	0	20	16	0	16	1	0	37	37
	648	2016-Jul-05	0	0	52	192	0	192	1	2	247	247
		2017-Jul-09	0	0	14	166	33	199	1	1	215	215
		2019-Jul-05	0	0	43	156	0	156	1	4	204	204
	655	2016-Jul-05	0	0	62	375	2	377	6	10	455	455

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>California sea lion</b>												
Santa Cruz Island	655	2017-Jul-09	0	0	12	325	50	375	21	5	413	413
		2018-Aug-08	1	0	23	97	6	103	6	2	134	135
		2019-Jul-05	1	0	26	82	4	86	5	2	119	120
Santa Rosa Island	615A	2019-Jul-09	0	0	0	0	1	1	0	0	1	1
	617	2016-Jul-06	0	0	7	129	1	130	1	2	140	140
		2017-Jul-09	0	0	291	403	247	650	20	3	964	964
		2018-Aug-08	0	0	83	176	8	184	7	0	274	274
		2019-Jul-09	0	0	249	194	13	207	7	2	465	465
	621B	2017-Jul-09	0	0	5	0	0	0	0	0	5	5
		2019-Jul-09	0	0	3	0	0	0	1	0	4	4
	621C	2016-Jul-06	0	0	1	20	0	20	0	2	23	23
		2017-Jul-09	0	0	10	1	10	11	0	0	21	21
	621D	2016-Jul-06	0	0	0	0	0	0	1	0	1	1
		2017-Jul-09	0	0	485	24	109	133	1	2	621	621
		2019-Jul-09	0	0	30	15	3	18	2	2	52	52
	622C	2017-Jul-09	0	0	0	0	0	0	0	1	1	1
	622D	2016-Jul-06	7	0	49	271	5	276	7	5	337	344
		2017-Jul-09	15	0	99	272	191	463	30	10	602	617
		2018-Aug-08	15	0	31	92	7	99	10	0	140	155
		2019-Jul-09	25	0	94	394	60	454	24	7	579	604
	622E	2016-Jul-06	3	0	21	461	0	461	13	19	514	517
		2017-Jul-09	5	0	44	294	37	331	12	10	397	402
		2018-Aug-08	0	0	1	5	6	11	12	1	25	25
		2019-Jul-09	0	0	1	16	13	29	12	4	46	46
	624A	2016-Jul-06	0	0	0	0	0	0	2	2	4	4
		2017-Jul-09	0	0	0	0	1	1	1	0	2	2
		2019-Jul-09	0	0	0	41	5	46	2	2	50	50
	624B	2017-Jul-09	0	0	1	0	0	0	4	1	6	6
		2019-Jul-09	1	0	1	1	1	2	6	3	12	13
	624C	2016-Jul-06	0	0	0	0	0	0	8	3	11	11
		2017-Jul-09	2	0	12	11	4	15	4	1	32	34
		2018-Aug-08	3	0	2	31	1	32	0	0	34	37
		2019-Jul-09	8	0	179	116	16	132	22	7	340	348
	625A	2016-Jul-06	0	0	0	0	0	0	1	1	2	2
		2017-Jul-09	0	0	0	4	5	9	9	1	19	19
		2019-Jul-09	0	0	6	13	1	14	11	3	34	34

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
California sea lion												
Santa Rosa Island	626	2016-Jul-06	0	0	0	0	0	0	0	1	1	1
		2019-Jul-09	0	0	0	0	0	0	1	0	1	1
Northern elephant seal												
Anacapa Island	660	2016-Jul-05	0	0	1	0	0	0	0	0	1	1
	680	2017-Jul-09	0	0	0	0	0	0	0	1	1	1
San Clemente Island	406	2016-Jul-08	0	0	0	0	1	1	3	0	4	4
		2017-Jul-08	0	0	0	0	0	0	2	2	4	4
		2018-Jul-06	0	0	0	0	0	0	8	1	9	9
		2019-Jul-06	0	0	0	0	0	0	2	2	4	4
	407	2016-Jul-08	0	0	0	0	0	0	0	1	1	1
San Miguel Island	A	2016-Jul-06	0	0	1	0	3	3	71	50	125	125
		2017-Jul-25	0	0	6	0	2	2	52	43	103	103
		2018-Aug-07	0	0	12	0	1	1	3	24	40	40
		2019-Jul-07	0	0	1	0	10	10	47	46	104	104
	B	2016-Jul-06	0	0	0	0	0	0	12	1	13	13
		2017-Jul-25	0	0	1	0	2	2	27	21	51	51
		2018-Aug-07	0	0	9	0	3	3	4	23	39	39
		2019-Jul-07	0	0	0	0	1	1	0	0	1	1
	C	2016-Jul-06	0	0	1	0	11	11	262	80	354	354
		2017-Jul-25	0	0	0	0	1	1	3	4	8	8
		2018-Aug-07	0	0	22	0	7	7	25	31	85	85
		2019-Jul-07	0	0	10	0	54	54	141	78	283	283
	D	2016-Jul-06	0	0	0	0	1	1	44	0	45	45
		2017-Jul-25	0	0	2	0	2	2	79	70	153	153
		2018-Aug-07	0	0	8	0	4	4	52	45	109	109
		2019-Jul-07	0	0	1	0	6	6	14	4	25	25
	E	2016-Jul-06	0	0	4	0	15	15	128	24	171	171
		2017-Jul-25	0	0	6	0	1	1	88	54	149	149
		2018-Aug-07	0	0	13	0	7	7	41	39	100	100
		2019-Jul-07	0	0	5	0	26	26	109	63	203	203
	F	2016-Jul-06	0	0	0	0	1	1	57	20	78	78
		2017-Jul-25	0	0	1	0	2	2	55	28	86	86
		2018-Aug-07	0	0	11	0	2	2	35	25	73	73
		2019-Jul-07	0	0	2	0	5	5	57	49	113	113
	G	2016-Jul-06	0	0	4	0	7	7	138	54	203	203
		2017-Jul-25	0	0	11	0	5	5	52	74	142	142
		2018-Aug-07	0	0	33	0	7	7	61	72	173	173
		2019-Jul-07	0	0	1	0	19	19	64	58	142	142

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Northern elephant seal</b>												
San Miguel Island	H	2016-Jul-06	0	0	4	0	22	22	594	201	821	821
		2017-Jul-25	0	0	14	0	5	5	283	401	703	703
		2018-Aug-07	0	0	54	0	15	15	210	289	568	568
		2019-Jul-07	0	0	7	0	28	28	336	325	696	696
	I	2016-Jul-06	0	0	1	0	12	12	260	128	401	401
		2017-Jul-25	0	0	6	0	6	6	98	135	245	245
		2018-Aug-07	0	0	10	0	6	6	59	102	177	177
		2019-Jul-07	0	0	3	0	12	12	134	128	277	277
	J	2016-Jul-06	0	0	1	0	3	3	191	149	344	344
		2017-Jul-25	0	0	6	0	6	6	153	228	393	393
		2018-Aug-07	0	0	25	0	5	5	101	221	352	352
		2019-Jul-07	0	0	1	0	11	11	147	183	342	342
	K	2016-Jul-06	0	0	0	0	3	3	197	37	237	237
		2017-Jul-25	0	0	2	0	2	2	79	46	129	129
		2018-Aug-07	0	0	5	0	3	3	30	50	88	88
		2019-Jul-07	0	0	5	0	20	20	276	93	394	394
	L	2016-Jul-06	0	0	0	0	1	1	44	40	85	85
		2017-Jul-25	0	0	6	0	1	1	29	52	88	88
		2018-Aug-07	0	0	14	0	6	6	19	38	77	77
		2019-Jul-07	0	0	2	0	2	2	32	25	61	61
	M	2016-Jul-06	0	0	1	0	2	2	85	21	109	109
		2017-Jul-25	0	0	1	0	6	6	38	25	70	70
		2018-Aug-07	0	0	3	0	0	0	11	14	28	28
		2019-Jul-07	0	0	4	0	8	8	57	12	81	81
	N	2016-Jul-06	0	0	0	0	1	1	26	1	28	28
		2017-Jul-25	0	0	1	0	0	0	6	0	7	7
		2018-Aug-07	0	0	5	0	1	1	19	4	29	29
		2019-Jul-07	0	0	1	0	8	8	56	4	69	69
San Nicolas Island	A	2016-Jul-05	0	0	1	0	3	3	50	14	68	68
		2017-Jul-08	0	0	1	0	2	2	21	2	26	26
		2018-Aug-07	0	0	3	0	4	4	8	17	32	32
		2019-Jul-08	0	0	0	0	0	0	10	22	32	32
	B	2016-Jul-05	0	0	0	0	3	3	1	0	4	4
		2017-Jul-08	0	0	0	0	0	0	21	2	23	23
		2018-Aug-07	0	0	2	0	0	0	1	2	5	5
	C	2016-Jul-05	0	0	0	0	2	2	40	1	43	43
		2017-Jul-08	0	0	0	0	4	4	11	10	25	25



Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Northern elephant seal</b>												
San Nicolas Island	C	2018-Aug-07	0	0	0	0	0	0	2	1	3	3
		2019-Jul-08	0	0	2	0	0	0	7	4	13	13
	D	2016-Jul-05	0	0	1	0	3	3	74	2	80	80
		2017-Jul-08	0	0	1	0	8	8	50	22	81	81
		2018-Aug-07	0	0	6	0	2	2	22	20	50	50
		2019-Jul-08	0	0	1	0	3	3	58	27	89	89
	E	2016-Jul-05	0	0	0	0	6	6	71	9	86	86
		2017-Jul-08	0	0	2	0	2	2	71	33	108	108
		2018-Aug-07	0	0	2	0	1	1	27	24	54	54
		2019-Jul-08	0	0	5	0	6	6	71	39	121	121
	F	2016-Jul-05	0	0	0	0	2	2	57	3	62	62
		2017-Jul-08	0	0	1	0	9	9	7	7	24	24
		2018-Aug-07	0	0	2	0	0	0	4	12	18	18
		2019-Jul-08	0	0	0	0	0	0	2	1	3	3
	G	2016-Jul-05	0	0	0	0	0	0	34	4	38	38
		2017-Jul-08	0	0	1	0	4	4	11	4	20	20
		2019-Jul-08	0	0	2	0	3	3	14	6	25	25
	H	2016-Jul-05	0	0	1	0	0	0	7	1	9	9
		2017-Jul-08	0	0	0	0	4	4	13	17	34	34
		2018-Aug-07	0	0	3	0	4	4	2	0	9	9
		2019-Jul-08	0	0	0	0	0	0	6	7	13	13
	I	2016-Jul-05	0	0	0	0	0	0	17	3	20	20
		2017-Jul-08	0	0	0	0	1	1	8	14	23	23
		2018-Aug-07	0	0	0	0	1	1	2	2	5	5
		2019-Jul-08	0	0	0	0	1	1	9	2	12	12
	J	2016-Jul-05	0	0	0	0	1	1	26	3	30	30
		2017-Jul-08	0	0	0	0	6	6	34	25	65	65
		2018-Aug-07	0	0	3	0	1	1	10	29	43	43
		2019-Jul-08	0	0	1	0	6	6	15	8	30	30
	K	2016-Jul-05	0	0	2	0	10	10	277	42	331	331
		2017-Jul-08	0	0	1	0	79	79	134	50	264	264
		2018-Aug-07	0	0	11	0	2	2	81	63	157	157
		2019-Jul-08	0	0	3	0	19	19	198	73	293	293
	L	2016-Jul-05	0	0	0	0	0	0	4	0	4	4
		2017-Jul-08	0	0	0	0	2	2	1	0	3	3
		2018-Aug-07	0	0	0	0	0	0	2	0	2	2
		2019-Jul-08	0	0	0	0	0	0	2	0	2	2

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Northern elephant seal</b>												
San Nicolas Island	M	2016-Jul-05	0	0	1	0	4	4	178	26	209	209
		2017-Jul-08	0	0	1	0	14	14	124	72	211	211
		2018-Aug-07	0	0	8	0	1	1	51	60	120	120
		2019-Jul-08	0	0	1	0	20	20	121	92	234	234
	N	2016-Jul-05	0	0	1	0	2	2	18	2	23	23
		2017-Jul-08	0	0	2	0	3	3	31	10	46	46
		2018-Aug-07	0	0	0	0	0	0	3	1	4	4
		2019-Jul-08	0	0	0	0	3	3	25	17	45	45
	O	2016-Jul-05	0	0	1	0	0	0	94	25	120	120
		2017-Jul-08	0	0	0	0	5	5	54	25	84	84
		2018-Aug-07	0	0	4	0	1	1	8	22	35	35
		2019-Jul-08	0	0	1	0	6	6	66	14	87	87
	P	2016-Jul-05	0	0	0	0	0	0	8	0	8	8
		2017-Jul-08	0	0	0	0	1	1	13	2	16	16
		2018-Aug-07	0	0	2	0	0	0	1	1	4	4
		2019-Jul-08	0	0	1	0	4	4	36	9	50	50
	Q	2016-Jul-05	0	0	1	0	12	12	136	38	187	187
		2017-Jul-08	0	0	1	0	28	28	86	54	169	169
		2018-Aug-07	0	0	4	0	3	3	19	57	83	83
		2019-Jul-08	0	0	1	0	1	1	72	62	136	136
Santa Barbara Island	A	2018-Aug-07	0	0	0	0	3	3	0	0	3	3
	B	2016-Jul-05	0	0	0	0	1	1	6	0	7	7
		2018-Jul-07	0	0	0	0	2	2	1	0	3	3
	C	2018-Aug-07	0	0	0	0	0	0	1	0	1	1
	D	2016-Jul-05	0	0	0	0	1	1	1	1	3	3
		2017-Jul-08	0	0	0	0	0	0	4	3	7	7
Santa Rosa Island	611	2016-Jul-06	0	0	1	0	3	3	34	0	38	38
		2017-Jul-09	0	0	0	0	2	2	31	6	39	39
		2019-Jul-09	0	0	0	0	4	4	28	11	43	43
	612	2017-Jul-09	0	0	0	0	0	0	0	3	3	3
		2018-Aug-08	0	0	0	0	0	0	2	0	2	2
	621B	2016-Jul-06	0	0	0	0	3	3	42	9	54	54
		2017-Jul-09	0	0	0	0	4	4	25	14	43	43
		2018-Aug-08	0	0	0	0	0	0	7	3	10	10
		2019-Jul-09	0	0	0	0	2	2	29	24	55	55
	621C	2016-Jul-06	0	0	0	0	1	1	1	0	2	2
		2017-Jul-09	0	0	1	0	2	2	11	1	15	15
		2018-Aug-08	0	0	0	0	0	0	0	2	2	2

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Northern elephant seal</b>												
Santa Rosa Island	621D	2016-Jul-06	0	0	0	0	5	5	14	0	19	19
		2017-Jul-09	0	0	0	0	3	3	9	14	26	26
		2019-Jul-09	0	0	2	0	0	0	30	28	60	60
	622A	2017-Jul-09	0	0	0	0	0	0	1	0	1	1
	622B	2016-Jul-06	0	0	0	0	3	3	48	8	59	59
		2017-Jul-09	0	0	0	0	2	2	46	19	67	67
		2018-Aug-08	0	0	1	0	0	0	15	2	18	18
		2019-Jul-09	0	0	0	0	3	3	44	15	62	62
	622C	2016-Jul-06	0	0	0	0	0	0	0	2	2	2
	622D	2016-Jul-06	0	0	0	0	1	1	156	99	256	256
		2017-Jul-09	0	0	1	0	0	0	131	78	210	210
		2018-Aug-08	0	0	6	0	4	4	33	75	118	118
		2019-Jul-09	0	0	1	0	6	6	83	110	200	200
	622E	2017-Jul-09	0	0	0	0	2	2	15	2	19	19
		2018-Aug-08	0	0	0	0	0	0	2	0	2	2
		2019-Jul-09	0	0	0	0	2	2	7	0	9	9
	624A	2016-Jul-06	0	0	0	0	0	0	13	4	17	17
	624B	2016-Jul-06	0	0	3	0	4	4	98	22	127	127
		2017-Jul-09	0	0	0	0	3	3	35	55	93	93
		2018-Aug-08	0	0	15	0	9	9	19	13	56	56
		2019-Jul-09	0	0	0	0	1	1	21	37	59	59
	624C	2016-Jul-06	0	0	0	0	15	15	181	48	244	244
		2017-Jul-09	0	0	3	0	13	13	124	109	249	249
		2018-Aug-08	0	0	14	0	5	5	50	89	158	158
		2019-Jul-09	0	0	1	0	13	13	77	120	211	211
	625A	2016-Jul-06	0	0	1	0	1	1	68	17	87	87
		2017-Jul-09	0	0	1	0	3	3	76	39	119	119
		2018-Aug-08	0	0	2	0	0	0	11	30	43	43
		2019-Jul-09	0	0	0	0	6	6	65	33	104	104
	625B	2016-Jul-06	0	0	2	0	4	4	119	34	159	159
		2017-Jul-09	0	0	1	0	8	8	60	35	104	104
		2019-Jul-09	0	0	0	0	7	7	20	8	35	35
	625C	2016-Jul-06	0	0	0	0	0	0	1	0	1	1
		2017-Jul-09	0	0	0	0	0	0	27	38	65	65
		2019-Jul-09	0	0	1	0	4	4	51	22	78	78
	626	2016-Jul-06	0	0	2	0	16	16	108	69	195	195
		2017-Jul-09	0	0	1	0	8	8	51	56	116	116
		2019-Jul-09	0	0	2	0	9	9	55	33	99	99

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
Northern fur seal												
San Miguel Island	H	2016-Jul-06	1,326	42	32	1,072	180	1,252	300	113	1,697	3,023
		2017-Jul-25	1,935	219	18	636	150	786	224	224	1,252	3,187
		2018-Aug-07	1,452	181	36	633	131	764	112	78	990	2,442
		2019-Jul-07	1,314	25	34	974	82	1,056	193	308	1,591	2,905
	O	2016-Jul-06	971	4	6	750	167	917	219	86	1,228	2,199
		2017-Jul-25	670	7	11	247	63	310	137	205	663	1,333
		2018-Aug-07	839	8	8	523	126	649	50	92	799	1,638
		2019-Jul-07	637	0	14	609	18	627	49	145	835	1,472
Pacific harbor seal												
Anacapa Island	660	2016-Jul-05										46
		2017-Jul-09										25
		2019-Jul-05										10
		670	2016-Jul-05									30
Richardson Rock	103	2016-Jul-06										1
		2017-Jul-25										4
		2018-Aug-07										2
San Clemente Island	402	2016-Jul-08										2
		2017-Jul-08										2
		2018-Jul-06										6
	404	2017-Jul-08										33
		2018-Jul-06										17
	406	2016-Jul-08										14
		2017-Jul-08										16
		2018-Jul-06										12
		2019-Jul-06										7
	407	2016-Jul-08										4
		2017-Jul-08										5
		2018-Jul-06										4
		2019-Jul-06										2
	411	2016-Jul-08										6
		2017-Jul-08										15
		2018-Jul-06										5
2019-Jul-06											4	
San Miguel Island	A	2016-Jul-06										38
		2017-Jul-25										2
		2018-Aug-07										7
		2019-Jul-07										13

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Pacific harbor seal</b>												
San Miguel Island	B	2016-Jul-06										8
	C	2016-Jul-06										45
		2017-Jul-25										18
		2018-Aug-07										22
		2019-Jul-07										23
	D	2016-Jul-06										99
		2017-Jul-25										19
		2019-Jul-07										38
	E	2016-Jul-06										58
		2017-Jul-25										17
		2018-Aug-07										16
		2019-Jul-07										33
	F	2016-Jul-06										39
		2017-Jul-25										3
		2018-Aug-07										8
		2019-Jul-07										9
	G	2016-Jul-06										2
		2017-Jul-25										1
		2018-Aug-07										6
	H	2016-Jul-06										16
		2017-Jul-25										34
		2018-Aug-07										33
	I	2016-Jul-06										1
		2018-Aug-07										1
		2019-Jul-07										2
	J	2016-Jul-06										129
		2017-Jul-25										54
		2018-Aug-07										33
		2019-Jul-07										29
	K	2016-Jul-06										1
	L	2016-Jul-06										88
		2017-Jul-25										5
		2018-Aug-07										26
		2019-Jul-07										29
	M	2016-Jul-06										21
		2019-Jul-07										3
	N	2016-Jul-06										157
		2017-Jul-25										77

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Pacific harbor seal</b>												
San Miguel Island	N	2018-Aug-07										56
		2019-Jul-07										75
San Nicolas Island	C	2016-Jul-05										50
		2017-Jul-08										19
		2019-Jul-08										22
	D	2016-Jul-05										7
		2017-Jul-08										18
		2018-Aug-07										4
		2019-Jul-08										7
	E	2016-Jul-05										11
		2017-Jul-08										2
		2018-Aug-07										4
		2019-Jul-08										24
	F	2016-Jul-05										18
		2017-Jul-08										12
		2019-Jul-08										3
	G	2018-Aug-07										1
	I	2018-Aug-07										7
		2019-Jul-08										1
	J	2016-Jul-05										12
		2017-Jul-08										4
		2018-Aug-07										6
		2019-Jul-08										7
	K	2017-Jul-08										1
		2019-Jul-08										1
	L	2016-Jul-05										62
		2017-Jul-08										79
		2019-Jul-08										2
	M	2016-Jul-05										9
		2017-Jul-08										6
		2019-Jul-08										2
	N	2016-Jul-05										106
		2017-Jul-08										64
		2019-Jul-08										66
	O	2016-Jul-05										66
		2017-Jul-08										47
	Q	2016-Jul-05										96
		2017-Jul-08										38

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Pacific harbor seal</b>												
San Nicolas Island	Q	2018-Aug-07										30
		2019-Jul-08										55
Santa Barbara Island	B	2016-Jul-05										7
		2017-Jul-08										10
	C	2016-Jul-05										1
	D	2016-Jul-05										28
		2017-Jul-08										3
		2018-Jul-07										10
Santa Catalina Island	502D	2019-Jul-06										8
Santa Cruz Island	643	2016-Jul-05										27
		2019-Jul-09										44
	647	2016-Jul-05										48
		2017-Jul-09										38
		2019-Jul-09										36
	653	2016-Jul-05										52
		2019-Jul-09										24
	655	2016-Jul-05										20
		2017-Jul-09										17
		2018-Aug-08										19
	656	2016-Jul-05										134
		2017-Jul-09										118
		2018-Aug-08										56
	658	2016-Jul-05										35
		2018-Aug-08										11
		2019-Jul-09										3
Santa Rosa Island	611	2019-Jul-09										9
	615A	2016-Jul-06										72
		2017-Jul-09										47
		2018-Aug-08										30
		2019-Jul-09										21
	617	2017-Jul-09										1
		2019-Jul-09										2
	621B	2016-Jul-06										9
		2019-Jul-09										5
	621C	2016-Jul-06										23
		2017-Jul-09										10
		2018-Aug-08										4
	621D	2016-Jul-06										8

Table 4. (Continued)

Island/Rock	Area	Survey date	Live pups	Dead pups	Juveniles	Adult females	Young males	Adult females & young males	Sub-adult males	Adult males	Non-pups	Total live
<b>Pacific harbor seal</b>												
Santa Rosa Island	622A	2016-Jul-06										1
	622B	2016-Jul-06										3
		2017-Jul-09										1
		2019-Jul-09										4
	622D	2016-Jul-06										10
		2017-Jul-09										5
	624A	2016-Jul-06										97
		2017-Jul-09										55
		2018-Aug-08										7
		2019-Jul-09										33
	624B	2016-Jul-06										1
	625A	2016-Jul-06										5
		2017-Jul-09										3
	625B	2016-Jul-06										8
		2017-Jul-09										14
		2019-Jul-09										26
	625C	2017-Jul-09										4
	626	2016-Jul-06										149
		2017-Jul-09										126
		2019-Jul-09										48
<b>Steller sea lion</b>												
Anacapa Island	680	2019-Jul-05	0	0	3	0	0	0	0	0	3	3
<b>Guadalupe fur seal</b>												
San Nicolas Island	H	2019-Jul 08	0	0	0		1 <sup>1</sup>		0	0	1	1

<sup>1</sup>For Guadalupe fur seals, unable to differentiate between adult females and young males.