

Supplementary Table 1A. Number of monitored hauls with recorded interactions of killer whale (*Orcinus orca*) with fishery operations during 2001–2016, by National Marine Fisheries Service (NMFS) reporting area and year, in the U.S. exclusive economic zone in the North Pacific Ocean. Blank cells indicate that no hauls were monitored, and zeros (0) indicate that no monitored hauls had reported interactions. Numbers are provided for each category of observer coverage: 100% fishery coverage (full) and some fishery coverage (partial).

Coverage category	Year	NMFS Reporting Area																				Total	
		509	512	513	514	516	517	518	519	521	523	524	541	542	543	610	620	630	640	650	649		659
Full	2001	1	0	1	0	0	39	2	4	97	31	1	10	0	0	4	0	0	0	0			190
	2002	0	0	0	0	0	24	10	2	41	30	2	4	0	0	6	0	0	0	0			119
	2003	0	0	1	0	0	33	7	10	44	21	0	6	0	0	4	0	0	0	0			126
	2004	0	0	0	0	0	20	8	45	44	20	1	6	1	0	18	0	0	0	0			163
	2005	0	0	0	0	0	14	7	7	22	11	0	18	0	0	10	2	2	0	0			93
	2006	0		0	1	0	14	3	12	29	6	0	11	0	0	35	0	0	0	0			111
	2007	0		0	0	0	21	5	8	29	7	1	0	1	0	3	0	0	0	0			75
	2008	1	0	0	0	0	17	8	9	24	1	1	1	0	0	3	0	0	0	0			65
	2009	2	0	0	0	0	21	1	3	49	12	0	7	0	0	10	0	4	0	0			109
	2010	1		0	0	0	29	5	3	40	8	1	17	0	0	5	1	2	0	0			112
	2011	0	0	0	0	0	18	0	9	39	6	4	7	3	0	27	0	1	0	0			114
	2012	0	0	0	0	0	38	0	4	50	7	12	13	0	0	17	0	0	0	0			141
	2013	1	0	2	0	0	43	0	23	62	17	2	13	0	0	12	9	1	0	0			185
	2014	0	0	7	0	0	58	1	5	41	10	0	9	1	0	0	4	0	0	0			136
	2015	0	0	0	0	0	40	0	0	68	9	6	3	0	1	11	9	0	0	0			147
	2016	0	0	4	0	0	56	0	13	118	21	28	3	0	0	0	3	0	0	0			246
Total		6	0	15	1	0	485	57	157	797	217	59	128	6	1	165	28	10	0	0		2132	
Coverage category	Year	NMFS Reporting Area																				Total	
		509	512	513	514	516	517	518	519	521	523	524	541	542	543	610	620	630	640	650	649		659
Partial	2001	0	0	0		0	12	3	1	14	6	0	5	0	0	5	0	0	0	0	0	0	46
	2002	0		1	0	0	10	5	2	2	0	0	2	1	0	5	0	0	0	0	0	0	28
	2003	0	0	0	0	0	4	0	1	15	2	0	7	0	0	3	0	0	0	0	0	0	32
	2004	0		0	0	0	11	4	14	8	5	1	3	0		0	1	0	0	0	0	0	47
	2005	0		0	0	0	2	2	7	7	7	0	1	0		2	4	4	0	0	0	0	36
	2006	0		0	0	0	10	2	0	8	4	0	3	3		12	0	0	0	0	0	0	42
	2007	0		0	0	0	2	0	1	6	3	0	1	1	0	19	0	1	0	0	0	0	34
	2008	0	0	1	0	0	27	3	61	5	2	0	9	0		1	4	4	0	0	0	0	117
	2009	0		0	0	0	4	11	13	23	3	0	9	4		12	0	4	0	0	0	0	83
	2010	0	0	0	0	0	10	17	8	12	3	0	7	0	0	3	0	0	0	0	0	0	60
	2011	0		0	0	0	27	1	9	5	1	0	9	6	0	11	0	0	0	0	0	0	69
	2012	0	0	0	0	0	14	0	1	15	3	0	2	2	1	16	2	0	0	0			56
	2013	0					0	8	0	5	4		2	0	0	10	0	1	0	0	0	0	30
	2014	0					0	7	3	2	0	0	6	3	0	9	6	3	0	2	0	0	41
	2015	0		0			11	7	7	17	5	0	6	2		5	2	6	0	3	8	0	79
	2016	0					3	15	8	16	4	0	8	2		16	4	13	0	4	0	1	94
Total		0	0	2	0	0	147	85	136	160	52	1	80	24	1	129	23	36	0	9	8	1	894
Combined strata		6	0	17	1	0	632	142	293	957	269	60	208	30	2	294	51	46	0	9	8	1	3026

Supplementary Table 1B. Percentage of monitored hauls with recorded interactions of killer whale (*Orcinus orca*) with fishery operations during 2001–2016, by National Marine Fisheries Service (NMFS) reporting areas and year, in the U.S. exclusive economic zone in the North Pacific Ocean. Blank cells indicate that no hauls were monitored, and zeros (0) indicate that no monitored hauls had reported interactions. Percentages are provided for each category of observer coverage: 100% fishery coverage (full) and some fishery coverage (partial).

Coverage category	Year	NMFS Reporting Area																				
		509	512	513	514	516	517	518	519	521	523	524	541	542	543	610	620	630	640	650	649	659
Full	2001	0.02	0.00	0.02	0.00	0.00	0.62	1.10	0.33	1.23	6.83	0.28	0.97	0.00	0.00	0.83	0.00	0.00	0.00	0.00		
	2002	0.00	0.00	0.00	0.00	0.00	0.32	43.48	0.29	0.54	7.94	0.35	0.37	0.00	0.00	1.21	0.00	0.00	0.00	0.00		
	2003	0.00	0.00	0.03	0.00	0.00	0.52	14.89	0.84	0.36	6.77	0.00	0.51	0.00	0.00	0.48	0.00	0.00	0.00	0.00		
	2004	0.00	0.00	0.00	0.00	0.00	0.30	19.51	3.52	0.45	4.88	0.09	0.61	0.09	0.00	3.14	0.00	0.00	0.00	0.00		
	2005	0.00	0.00	0.00	0.00	0.00	0.29	50.00	1.02	0.20	3.97	0.00	1.60	0.00	0.00	2.77	0.71	1.37	0.00	0.00		
	2006	0.00		0.00	0.13	0.00	0.28	5.66	2.70	0.29	2.28	0.00	1.12	0.00	0.00	6.65	0.00	0.00	0.00	0.00		
	2007	0.00		0.00	0.00	0.00	0.44	71.43	0.84	0.32	2.94	0.06	0.00	0.11	0.00	0.52	0.00	0.00	0.00	0.00		
	2008	0.01	0.00	0.00	0.00	0.00	0.45	7.92	2.08	0.29	0.59	0.05	0.08	0.00	0.00	0.63	0.00	0.00	0.00	0.00		
	2009	0.03	0.00	0.00	0.00	0.00	0.69	0.53	1.03	0.64	6.56	0.00	0.45	0.00	0.00	1.62	0.00	3.10	0.00	0.00		
	2010	0.02		0.00	0.00	0.00	1.07	2.82	0.85	0.49	3.24	0.18	0.80	0.00	0.00	0.95	0.21	1.09	0.00	0.00		
	2011	0.00	0.00	0.00	0.00	0.00	0.27	0.00	1.02	0.48	3.09	0.50	0.41	0.54	0.00	4.68	0.00	0.72	0.00	0.00		
	2012	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.58	0.65	2.31	1.33	0.65	0.00	0.00	5.18	0.00	0.00	0.00	0.00		
	2013	0.01	0.00	0.04	0.00	0.00	0.52	0.00	6.80	0.70	4.39	0.44	0.98	0.00	0.00	1.61	1.15	0.06	0.00	0.00		
	2014	0.00	0.00	0.13	0.00	0.00	0.72	1.96	0.81	0.51	2.11	0.00	0.75	0.16	0.00	0.00	0.33	0.00	0.00	0.00		
	2015	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.79	2.54	0.93	0.25	0.00	0.14	1.20	0.80	0.00	0.00	0.00		
	2016	0.00	0.00	0.07	0.00	0.00	0.95	0.00	1.17	2.30	7.81	1.77	0.26	0.00	0.00	0.00	0.45	0.00	0.00	0.00		
Coverage category	Year	NMFS Reporting Area																				
		509	512	513	514	516	517	518	519	521	523	524	541	542	543	610	620	630	640	650	649	659
Partial	2001	0.00	0.00	0.00		0.00	1.28	2.31	0.17	1.20	6.25	0.00	0.66	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00
	2002	0.00		0.19	0.00	0.00	0.77	4.67	0.31	0.21	0.00	0.39	0.53	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	
	2003	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.16	1.06	1.54	0.00	1.17	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	2004	0.00		0.00	0.00	0.00	1.38	1.27	2.22	0.53	7.94	0.29	0.84	0.00		0.00	0.18	0.00	0.00	0.00	0.00	0.00
	2005	0.00		0.00	0.00	0.00	0.30	0.82	1.14	0.47	8.86	0.00	0.20	0.00		0.40	0.70	0.23	0.00	0.00	0.00	0.00
	2006	0.00		0.00	0.00	0.00	1.21	1.09	0.00	0.58	7.41	0.00	0.54	2.46		1.37	0.00	0.00	0.00	0.00	0.00	0.00
	2007	0.00		0.00	0.00	0.00	0.27	0.00	0.34	0.45	7.69	0.00	0.14	0.54	0.00	2.72	0.00	0.04	0.00	0.00	0.00	0.00
	2008	0.00	0.00	0.09	0.00	0.00	2.67	2.56	11.36	0.26	2.41	0.00	1.75	0.00		0.14	0.58	0.17	0.00	0.00	0.00	0.00
	2009	0.00		0.00	0.00	0.00	0.49	2.22	4.21	1.23	2.14	0.00	2.08	2.14		1.47	0.00	0.19	0.00	0.00	0.00	0.00
	2010	0.00	0.00	0.00	0.00	0.00	1.49	5.35	3.11	0.93	3.75	0.00	1.43	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00
	2011	0.00		0.00	0.00	0.00	2.23	0.42	2.43	0.48	2.17	0.00	1.80	3.47	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00
	2012	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.24	1.41	2.65	0.00	0.78	1.17	0.53	2.46	0.19	0.00	0.00	0.00		
	2013	0.00					0.00	8.79	0.00	10.20	13.79		3.92	0.00	0.00	1.11	0.00	0.05	0.00	0.00	0.00	0.00
	2014	0.00					0.00	3.27	1.28	8.33	0.00	0.00	2.08	3.70	0.00	0.88	0.56	0.14	0.00	0.44	0.00	0.00
	2015	0.00		0.00			5.02	7.69	2.39	28.33	9.62	0.00	5.17	4.88		0.60	0.22	0.24	0.00	0.68	8.42	0.00
2016	0.00					0.98	11.90	4.08	27.59	23.53	0.00	4.37	4.88		1.33	0.49	0.56	0.00	1.05	0.00	0.33	