

Supplementary Table 1

Data from sandbar sharks (*Carcharhinus plumbeus*) that were measured at tagging and recapture and were at liberty for  $\geq 359$ d. Sharks were tagged in the western North Atlantic Ocean from 1964 through 2015 as part of the National Marine Fisheries Service's Cooperative Shark Tagging Program. An asterisk (\*) after a tag number indicates a specimen used in Casey and Natanson (1992) as well as this study.

Tag number	Sex	Date tagged	Date recaptured	Time at liberty (d)	Fork length when tagged (cm)	Fork length when recaptured (cm)	Growth per year (cm)
8335	F	8/24/1983	8/17/1984	359	100	100	0.00
13942	M	5/30/2007	5/29/2008	365	60	73	13.41
4613	F	7/24/1999	7/25/2000	367	52	62	9.95
330*	F	6/17/1966	6/20/1967	368	92	95	2.98
10155	F	6/23/2005	7/1/2006	373	61	71	9.79
375*	F	6/17/1966	6/26/1967	374	101	105	3.91
143890	F	7/14/1990	7/23/1991	374	91	102	10.74
360931	F	7/6/2014	7/30/2015	389	160	160	0.00
4024	M	6/27/1998	7/25/1999	393	48	52	3.72
884*	M	8/1/1967	8/28/1968	393	95	101	5.58
369983	F	6/18/2015	8/8/2016	417	160	160	0.00
995*	M	6/16/1966	8/25/1967	435	74	83	7.56
435*	F	6/20/1965	8/31/1966	437	101	111	8.36
331362	F	4/29/2009	7/11/2010	438	130	132	1.40
714*	M	6/22/1965	9/12/1966	447	94	102	6.54
4764	F	8/19/1999	11/18/2000	457	55	72	13.59
758*	M	6/22/1965	10/4/1966	469	102	118	12.46
350654	F	6/21/2013	10/28/2014	494	149	151	1.48
363751	U	8/5/2014	1/9/2016	522	79	91	8.58
191379	M	7/30/1994	1/6/1996	525	91	110	13.22
166397	F	8/6/1991	1/14/1993	527	107	112	3.47
3135	M	11/14/1998	6/15/2000	579	54	76	13.88
4492	M	9/21/1998	5/31/2000	618	57	69	7.09
3576	M	10/24/1996	7/12/1998	626	57	71	8.17
232183	F	10/25/1996	7/16/1998	629	115	122	4.06
299733	F	3/9/2007	12/7/2008	639	169	173	2.38
364017	F	6/21/2015	4/12/2017	661	113	126	7.18
2079	M	8/25/1995	6/22/1997	667	54	86	17.52
363240	F	8/25/2014	6/23/2016	668	140	154	7.72
340985	M	10/4/2011	8/4/2013	670	104	107	1.57
52110	F	7/17/2012	6/7/2014	690	52	75	12.30
142793	F	5/25/1989	4/17/1991	692	91	102	5.81
951*	F	6/15/1966	5/8/1968	693	69	78	4.74

Table 1s continued.

Tag Number	Sex	Date tagged	Date recaptured	Time at liberty (days)	Fork length (cm) when tagged	Fork length (cm) when recaptured	Growth per year
1219*	F	8/10/1968	7/5/1970	694	91	102	5.79
20515	F	6/20/2012	5/26/2014	705	64	79	7.98
115001*	M	8/30/1987	8/18/1989	719	152	157	2.54
286056	F	4/26/2007	4/16/2009	721	151	157	3.04
6763	M	9/29/2008	9/29/2010	730	69	97	14.16
304436	F	8/12/1993	8/17/1995	735	140	148	3.98
269661	M	5/9/2001	5/16/2003	737	143	149	2.97
1373*	M	6/9/1969	6/21/1971	742	83	103	9.85
128*	M	7/16/1965	8/17/1967	762	63	75	5.75
57036	F	8/29/2013	10/9/2015	771	75	102	12.90
798*	M	6/23/1965	8/8/1967	776	88	98	4.71
12103	F	7/23/2005	9/8/2007	777	77	104	12.69
13523	F	8/11/2006	10/9/2008	790	79	106	12.44
325610	F	6/28/2011	8/27/2013	791	85	112	12.29
2901	M	1/2/1996	3/25/1998	813	56	81	11.23
282261	M	1/14/2003	4/12/2005	819	127	144	7.58
52116	M	7/17/2012	2/4/2015	932	52	77	9.98
20562	F	7/16/2012	3/10/2015	967	99	118	7.37
269665	F	5/9/2001	1/22/2004	988	134	130	-1.48
948	M	11/12/1998	8/24/2001	1016	54	79	8.99
170020	F	5/13/1991	5/6/1994	1089	120	150	10.06
10853	F	7/3/2004	6/28/2007	1090	108	125	5.70
352787	F	4/5/2013	4/2/2016	1093	170	170	0.00
471*	F	6/18/1966	6/16/1969	1094	86	98	4.01
19399*	F	3/13/1973	3/27/1976	1110	164	168	1.32
894*	F	6/24/1965	8/5/1968	1138	95	112	5.46
99882*	M	5/13/1984	7/5/1987	1148	112	115	0.95
930*	F	6/25/1965	8/25/1968	1157	89	115	8.21
11002	F	5/26/2004	7/30/2007	1160	71	111	12.44
369*	F	6/19/1965	8/25/1968	1163	104	114	3.14
2499	M	7/26/1997	10/10/2000	1172	53	80	8.41
354815	F	6/24/2013	9/29/2016	1193	164	170	1.76
114666*	M	10/16/1986	1/24/1990	1196	120	127	2.14
339027	F	8/30/2010	1/13/2014	1232	140	158	5.43
114657*	F	10/15/1986	3/10/1990	1242	143	176	9.70
111582*	M	11/16/1985	5/17/1989	1278	147	167	5.72
344527	F	6/24/2011	12/26/2014	1281	173	175	0.69
315688	F	2/20/2007	8/27/2010	1284	148	151	0.85
142419	M	5/19/1989	2/22/1993	1375	115	134	5.05
281271	F	8/17/2003	6/8/2007	1391	112	137	6.56

Table 1s continued.

Tag Number	Sex	Date tagged	Date recaptured	Time at liberty (days)	Fork length (cm) when tagged	Fork length (cm) when recaptured	Growth per year
318612	F	4/26/2007	2/23/2011	1399	114	137	5.93
219*	M	7/29/1964	5/28/1968	1399	86	89	0.78
20214	F	8/7/2009	6/9/2013	1402	91	122	8.06
140691	M	5/16/1989	4/14/1993	1429	94	94	0.00
340065	F	4/18/2013	4/22/2017	1465	70	107	9.18
315753	M	2/20/2007	2/25/2011	1466	148	157	2.24
131151	U	9/26/1988	10/1/1992	1466	77	116	9.72
955	F	11/12/1998	1/3/2003	1513	58	94	8.69
349451	F	5/9/2012	7/20/2016	1533	135	149	3.45
299775	F	1/14/2006	4/9/2010	1546	161	167	1.35
217017	M	7/18/1995	10/11/1999	1546	130	155	5.91
245919	F	5/7/1998	8/16/2002	1562	142	155	3.04
19234	F	9/20/2012	3/27/2017	1649	93	116	5.09
178214	M	8/11/1996	3/9/2001	1671	74	110	7.87
92092	M	10/17/1986	5/18/1991	1674	130	158	6.11
217129	M	6/30/1996	3/11/2001	1715	99	123	5.11
6299	M	8/17/2003	5/14/2008	1732	85	106	4.36
6689	M	10/30/2004	8/6/2009	1741	84	112	5.96
103464	M	10/14/1986	8/13/1991	1764	157	184	5.59
3232	F	7/26/1997	6/12/2002	1782	52	106	11.07
333480	F	7/15/2010	6/15/2015	1796	97	163	13.48
747*	F	6/22/1965	6/18/1970	1822	80	99	3.81
410*	F	6/19/1965	6/22/1970	1829	81	106	4.99
242493	M	2/2/1998	3/8/2003	1860	78	120	8.25
4903	F	6/3/2000	9/3/2005	1918	67	112	8.57
39393*	F	9/25/1982	2/14/1988	1968	140	154	2.60
304302	M	8/5/1993	1/7/1999	1981	151	152	0.18
2135	M	8/25/1995	3/9/2001	2023	54	102	8.67
9670	M	8/18/1992	3/29/1998	2049	75	110	6.24
847	M	11/3/1998	7/4/2004	2070	52	104	9.18
211448	M	7/10/1995	3/11/2001	2071	104	130	4.59
4765	M	8/19/1999	7/23/2005	2165	56	113	9.62
332307	F	5/12/2009	5/2/2015	2181	130	156	4.46
13357	M	7/12/2006	7/4/2012	2184	54	125	11.97
192319	M	1/11/1994	3/16/2000	2256	111	152	6.64
19300	F	7/15/2009	10/10/2015	2278	101	124	3.76
4730	F	8/3/1999	10/29/2005	2279	103	140	5.93
296039	F	3/6/2010	6/15/2016	2293	95	138	6.85
331513	M	4/22/2009	8/7/2015	2298	143	160	2.77
130438	F	7/22/1989	1/30/1996	2383	132	139	1.07

Table 1s continued.

Tag Number	Sex	Date tagged	Date recaptured	Time at liberty (days)	Fork length (cm) when tagged	Fork length (cm) when recaptured	Growth per year
88949	F	7/8/1988	2/23/1995	2421	90	118	4.22
11278	F	9/9/2004	5/14/2011	2438	67	123	8.46
246079	F	5/17/1998	1/31/2005	2451	117	147	4.47
12262	F	7/24/2007	6/16/2014	2519	88	132	6.39
100011	M	5/16/1984	4/11/1991	2521	97	137	5.80
121230	F	8/6/1986	7/29/1993	2549	114	132	2.58
962*	M	6/15/1966	8/8/1973	2611	93	138	6.30
285976	F	4/15/2006	10/23/2013	2748	161	175	1.86
108340	F	8/20/1988	4/5/1996	2785	152	170	2.36
228759	U	8/15/1996	7/29/2004	2905	134	150	2.01
318133	M	6/20/2007	6/23/2015	2925	120	155	4.36
318519	F	4/24/2007	5/12/2015	2940	155	163	0.99
331711	M	5/2/2009	5/29/2017	2949	129	154	3.10
86153	M	5/7/1983	6/23/1991	2969	112	147	4.31
246351	M	5/19/1998	7/19/2006	2983	107	150	5.27
100027	M	5/16/1984	1/25/1993	3176	99	135	4.14
280121	M	10/20/2006	11/11/2015	3309	152	155	0.33
318637	F	4/29/2007	6/23/2016	3343	117	157	4.37
52016*	M	11/3/1979	4/27/1989	3463	97	169	7.59
268309	F	11/14/2000	5/26/2010	3480	136	156	2.10
308677	F	7/21/2007	3/30/2017	3540	139	157	1.86
150528	U	3/11/1990	2/1/2000	3614	110	157	4.75
217033	F	8/3/1996	7/27/2006	3645	85	147	6.21
188605	F	3/15/1993	3/22/2003	3659	99	152	5.29
8640	F	9/19/2002	4/21/2014	4232	103	156	4.62
222066	F	10/25/1996	8/2/2008	4299	68	150	7.00
4004	F	10/25/1996	11/11/2008	4400	56	145	7.39
4004	F	10/25/1996	11/11/2008	4400	56	145	7.39
246389	M	5/20/1998	7/2/2011	4791	83	154	5.41
217006	M	7/13/1995	6/2/2009	5073	94	154	4.32
210499	F	5/24/1995	6/6/2009	5127	92	165	5.13
9047	F	4/14/1999	7/10/2013	5201	88	152	4.53
136*	M	7/16/1965	3/27/1986	7559	76	145	3.33
691*	M	6/20/1965	10/7/1986	7779	96	157	2.86
359	M	6/17/1966	5/14/1991	9097	80	141	2.45
736*	F	6/22/1965	7/6/1990	9145	94	157	2.52