Supplement

The following supplementary materials are available for this article: Chen, Y.-Y., Huang, W.-C. 2024 Habitat preferences of the sicklefin lemon shark (*Negaprion acutidens*) in the Dongsha Atoll National Park: a preliminary assessment. Taiwania 69(2): 275-280 doi: *10.6165/tai.2024.69.275*

Fig. S1. Sampling localities of *Negaprion acutidens* around Dongsha Island. N represents net traps, which are set along the coasts. L represents longlines, which are approximately 500 meters long and are equipped with 5–8 hooks, set perpendicular to the coasts.

Table S1. Summary of information for receivers in this study.

Area	Receiver Code	Latitude	Longitude	Depth (m)
Lagoon	1601	20°42'18.7"N	116°43'20.8"E	1–2
Lagoon mouth	1602	20°42'20.6"N	116°42'41.2"E	1–2
	1607	20°42'25.9"N	116°42'28.6"E	1–2
	1608-2	20°42'19.1"N	116°42'04.0"E	5–8
	1609	20°42'01.5"N	116°42'39.2"E	2–3
	1611	20°42'33.8"N	116°42'47.5"E	1–2
Island-north	1603	20°42'25.0"N	116°43'30.0"E	1–2
	1608-1	20°42'32.7"N	116°43'55.8"E	3–4
	1610	20°42'37.1"N	116°43'32.5"E	2–3
	1612	20°42'19.6"N	116°43'46.1"E	1–2
	1619	20°42'27.4"N	116°43'48.8"E	2–3
Island-east	1604	20°42'08.2"N	116°44'02.5"E	4–6
	1618-1	20°41'59.6"N	116°44'01.4"E	1–2
Island-south	1616-1	20°41'34.4"N	116°43'22.1"E	2–3
	1616-2	20°41'53.5"N	116°43'22.9"E	2–3
Atoll-north	1615	20°45'09.8"N	116°45'51.6"E	2–3
Atoll-south	1613	20°36'49.9"N	116°44'46.0"E	2–3

Table S2. Summary of information for individual tagged sharks. Abbreviations: PCL, precaudal length; TL, total length; M, male; F, female. Details of capture methods and localities are shown in Fig. S1. Estimated ages and body lengths are calculated based on the von Bertalanffy growth function of ***Negaprion brevirostris*** with different parameters for males and females (Brown and Gruber, 1988). The bolding of estimated TL for eight individuals indicates that the shark may have reached the next size group by the end of detection.

Shark acoustic ID code	PCL (cm)	TL (cm)	Sex	Tagging date	Date first detected	Date flast detected	Duration detected (days)	Detections	Detections day^{-1}	Capture method and locality	Estimated age at tagging beginning	Estimated age at tagging end	Estimated PCL at tagging end (cm)	Estimated TL at tagging end (cm)
Juvenile (< 100 cm TL)														
1	59	74	M	2016/9/7	2016/10/21	2016/10/23	3	34	11	N2	1.4	1.4	59	74
2	61	76.5	M	2016/9/6	2016/10/10	2017/5/31	234	51666	221	N1	1.5	2.1	70	88
3	55	71.5	M	2016/7/20	2016/10/18	2016/11/22	36	32709	909	N2	1.1	1.2	56	73
4	67	85	F	2016/9/3	2017/2/16	2017/4/12	56	68	1	N5	1.8	2.0	69	88
9	55	70	M	2016/9/3	2016/10/11	2017/11/11	397	47655	120	N1	1.1	2.2	71	90
10	59	74	M	2016/9/3	2016/10/11	2018/7/24	652	45373	70	N1	1.4	3.1	84	**105**
11	63.5	79	M	2016/10/11	2016/10/16	2017/2/7	115	25009	217	N1	1.7	2.0	68	85
13	76.5	96	M	2017/1/17	2017/1/17	2017/6/24	159	179071	1126	N2	2.6	3.0	82	**103**
14	75	92	M	2017/9/10	2017/9/10	2017/11/3	55	71318	1297	N3	2.5	2.6	77	95
15	59	72	F	2017/9/11	2017/9/12	2017/10/4	23	30862	1342	N1	1.3	1.3	60	73
1708	67	84	M	2018/1/30	2018/1/30	2018/5/17	108	85872	795	N1	1.9	2.2	71	89
2004	66.5	82	F	2021/4/30	2021/5/3	2021/8/5	95	16248	171	N2	1.8	2.0	70	87
2101	69	86	F	2021/5/3	2021/5/4	2022/9/2	487	3021	6	N3	1.9	3.3	88	**109**
2102	70.5	88	F	2021/5/3	2021/5/5	2022/8/13	466	19443	42	N4	2.0	3.3	88	**110**
2103	71	88	F	2021/5/3	2021/5/5	2023/8/29	847	34692	41	N3	2.1	4.4	102	**127**
2109	73.5	92	M	2021/5/5	2021/5/11	2022/10/9	517	17014	33	N5	2.4	3.8	92	**115**
Small shark (100–149 cm TL)														
12-1	79	100	M	2016/11/4	2016/11/7	2018/6/24	595	233148	392	N2	2.8	4.4	100	126
1707	82	102	F	2017/11/27	2017/11/28	2018/11/27	365	86982	238	N1	2.9	3.9	95	119
1709	105	135	M	2018/10/16	2018/10/27	2020/5/7	559	76798	137	L3	4.8	6.4	123	**158**
1712	102.5	130	M	2018/10/20	2018/10/22	2019/8/13	296	41413	140	L3	4.6	5.4	112	142
1714	96.5	121	M	2018/11/23	2018/11/25	2020/5/7	530	19261	36	L3	4.1	5.6	114	143
1715	101	129	M	2019/1/20	2019/1/20	2020/4/24	461	39035	85	L3	4.5	5.8	116	148
1716	86	109	M	2018/11/27	2018/11/27	2018/11/27	1	83	83	L2	3.3	3.3	86	109
2002	107.5	135	M	2021/1/24	2021/1/24	2021/1/26	3	14	5	L2	5.0	5.1	108	135
2104	89	112	F	2021/5/3	2021/5/4	2021/9/25	145	13347	92	L1	3.4	3.8	94	119
2106	89	114	M	2021/9/12	2021/9/13	2021/11/14	63	4341	69	L1	3.5	3.7	91	117
2107	87.5	109	F	2021/5/5	2021/5/5	2023/8/30	848	23603	28	N5	3.3	5.6	116	145
2111	109	138	F	2021/9/11	2021/9/12	2023/7/29	686	8528	12	L1	5.0	6.8	130	**165**
2112	100	126	M	2021/9/12	2021/9/12	2021/12/27	107	8944	84	L1	4.4	4.7	104	130
2114	104	132	F	2021/9/19	2022/4/13	2023/3/7	329	1832	6	L3	4.6	5.5	115	146
Sub-adult (150–220 cm TL)														
1705	123	157	M	2020/2/11	2020/2/12	2020/2/26	15	4141	276	L3	6.4	6.4	123	158
1706	142	186	M	2020/4/24	2020/4/29	2021/5/18	385	54185	141	L3	8.2	9.3	152	199
1710	138	176	F	2018/10/2	2018/10/26	2020/4/11	534	38087	71	L3	7.6	9.0	152	194
1711	118	153	M	2018/10/20	2019/3/21	2020/6/29	467	2	0	L3	6.0	7.2	132	171
1713	131.5	172	F	2018/10/23	2018/10/26	2019/9/24	334	41814	125	L3	6.9	7.9	141	184
2001	119	151	M	2021/1/23	2021/1/23	2021/2/3	12	153	13	L1	6.0	6.1	119	151
2003	118	151	F	2021/1/25	2021/1/25	2021/9/11	230	41162	179	L2	5.7	6.4	125	160
2113	130.5	167	F	2021/9/14	2021/9/17	2023/8/31	714	13774	19	L1	6.8	8.8	150	192
2116	156.5	201	F	2021/9/24	2021/9/26	2021/9/26	1	34	34	L1	9.5	9.5	157	201
2117	121	154	F	2021/9/26	2021/9/30	2022/11/14	411	5	0	L1	6.0	7.1	133	170
2119	133	172.5	M	2022/5/19	2022/5/20	2022/6/15	27	10	0	L3	7.3	7.4	134	174
Adult(>220 cm TL)														
12-2	212	273	F	2017/4/1	2017/4/4	2018/6/24	447	27834	62	L2	16.9	18.2	219	282
1704	196	256	F	2019/4/28	2019/4/28	2019/4/28	1	6	6	L3	14.4	14.4	196	256
2118	166	220	M	2022/5/14	2022/5/14	2022/5/19	6	63	11	L3	10.8	10.8	166	220