

Supplementary material

Aspects of the reproductive biology of dusky, spinner and sandbar sharks (Family Carcharhinidae) from the Tasman Sea

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Table S1. Number of male and female *Carcharhinus obscurus* displaying each clasper and uterus maturity stage respectively at different lengths (a) and ages (b) as observed in the present study

(a)									
Length-class (L_T cm)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
91–100	4	0	0	2	0	0	0	0	0
101–110	2	0	0	5	0	0	0	0	0
111–120	2	0	0	0	0	0	0	0	0
121–130	2	0	0	0	0	0	0	0	0
131–140	4	0	0	4	0	0	0	0	0
141–150	2	0	0	3	0	0	0	0	0
151–160	2	0	0	2	0	0	0	0	0
161–170	0	0	0	1	0	0	0	0	0
171–180	0	0	0	2	0	0	0	0	0
181–190	2	0	0	4	0	0	0	0	0
191–200	1	0	0	2	0	0	0	0	0
201–210	1	0	0	2	0	0	0	0	0
211–220	2	0	0	3	1	0	0	0	0
221–230	1	0	0	4	0	0	0	0	0
231–240	1	0	0	0	0	0	0	0	1
241–250	0	0	0	2	0	1	0	0	0
251–260	0	0	0	0	0	0	0	0	0
261–270	0	0	1	1	0	0	0	0	0
271–280	0	1	0	2	0	0	0	0	1
281–290	0	0	5	1	0	1	0	0	0
291–300	0	2	8	1	1	0	0	0	0
301–310	0	1	21	1	1	1	0	0	1
311–320	0	0	31	1	0	4	0	2	2
321–330	0	0	25	0	0	12	1	3	3
331–340	0	0	13	0	0	15	0	2	8
341–350	0	0	5	0	0	11	2	1	0
351–360	0	0	2	0	0	5	1	0	0
361–370				0	0	1	0	0	0
371–380				0	0	1	0	0	0
381–391				0	0	0	0	0	1
Total	26	4	111	43	3	52	4	8	17

Table S1. (Cont.)

(b) Age (years)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
0	7	0	0	5	0	0	0	0	0
1	4	0	0	2	0	0	0	0	0
2	4	0	0	6	0	0	0	0	0
3	2	0	0	2	0	0	0	0	0
4	0	0	0	4	0	0	0	0	0
5	3	0	0	3	0	0	0	0	0
6	2	0	0	4	0	0	0	0	0
7	2	0	0	5	0	0	0	0	0
8	0	0	0	3	0	0	0	0	1
9	0	0	0	0	0	1	0	0	0
10	1	0	0	0	1	0	0	0	0
11	0	1	0	1	0	0	0	0	1
12	0	0	0	1	0	0	0	0	0
13	0	0	0	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1
17	0	1	3	1	0	0	0	0	0
18	0	0	5	1	1	1	0	0	0
19	0	0	6	0	0	1	0	0	0
20	0	0	5	0	0	0	0	0	0
21	0	1	9	0	0	1	0	1	0
22	0	0	10	0	0	2	0	0	1
23	0	1	11	0	0	2	1	2	0
24	0	0	17	0	1	7	0	0	1
25	0	0	12	0	0	3	1	0	1
26	0	0	11	0	0	11	1	0	5
27	0	0	3	1	0	7	0	0	0
28	0	0	3	0	0	3	0	1	1
29	0	0	2	0	0	2	0	0	1
30	0	0	0	0	0	1	0	0	1
31	0	0	0	0	0	1	1	0	1
32	0	0	1	0	0	0	0	0	0
33				0	0	1	0	0	0
Total	25	4	98	41	3	44	4	4	15

Table S2. Number of male and female *Carcharhinus brevipinna* displaying each clasper and uterus maturity stage respectively at different lengths (a) and ages (b) as observed in the present study

(a)									
Length-class (L_T cm)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
71–80				1	0	0	0	0	0
81–90	1	0	0	2	0	0	0	0	0
91–100	1	0	0	0	0	0	0	0	0
101–110	5	0	0	2	0	0	0	0	0
111–120	6	0	0	2	0	0	0	0	0
121–130	7	0	0	3	0	0	0	0	0
131–140	5	0	0	8	0	0	0	0	0
141–150	11	0	0	6	1	0	0	0	0
151–160	5	0	0	5	0	0	0	0	0
161–170	5	2	0	5	0	0	0	0	0
171–180	4	0	0	5	0	0	0	0	0
181–190	0	0	0	2	0	1	0	0	0
191–200	2	1	0	2	0	0	0	0	0
201–210	0	0	0	1	0	0	0	0	0
211–220	0	0	0	1	1	0	0	0	0
221–230	0	0	4	0	0	0	0	0	0
231–240	0	0	11	0	0	1	0	0	0
241–250	0	0	8	0	0	1	0	1	0
251–260	0	0	5	0	2	7	0	3	2
261–270	0	0	0	0	0	7	0	0	2
271–280	0	0	0	0	0	6	0	5	2
281–290	0	0	0	0	0	3	0	3	4
291–300	0	0	1	0	0	1	0	2	0
201–310				0	0	0	0	0	0
311–320				0	0	0	0	1	0
Total	52	3	29	45	4	27	0	15	10

Table S2. (Cont.)

(b) Age (years)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
0	2	0	0	3	0	0	0	0	0
1	8	0	0	4	0	0	0	0	0
2	13	0	0	8	0	0	0	0	0
3	16	0	0	8	1	0	0	0	0
4	7	1	0	7	0	0	0	0	0
5	3	2	0	4	0	1	0	0	0
6	2	0	0	4	0	0	0	0	0
7	1	0	0	4	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	1	0	0	0	0	0
10	0	0	1	0	0	0	0	0	0
11	0	0	1	0	1	0	0	2	1
12	0	0	0	0	0	2	0	0	0
13	0	0	1	0	0	2	0	0	0
14	0	0	3	0	0	3	0	2	0
15	0	0	1	0	0	2	0	0	1
16	0	0	2	0	0	1	0	0	0
17	0	0	5	0	0	1	0	2	1
18	0	0	3	0	0	2	0	0	0
19	0	0	5	0	1	1	0	0	0
20	0	0	3	0	0	1	0	0	1
21	0	0	3	0	0	3	0	3	2
22	0	0	0	0	0	2	0	0	2
23	0	0	0	0	0	2	0	1	0
24	0	0	1	0	0	1	0	0	0
25				0	0	1	0	0	0
26				0	0	0	0	0	0
27				0	0	0	0	0	0
28				0	0	0	0	1	0
29				0	0	0	0	0	0
30				0	0	0	0	0	0
31				0	0	1	0	0	0
Total	52	3	29	43	4	26	0	11	8

Table S3. Number of male and female *Carcharhinus plumbeus* displaying each clasper and uterus maturity stage respectively at different lengths (a) and ages (b) as observed in the present study

(a) Length-class (L_T cm)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
71–80	1	0	0						
81–90	3	0	0	2	0	0	0	0	0
91–100	3	0	0	3	0	0	0	0	0
101–110	9	0	0	7	0	0	0	0	0
111–120	4	1	0	1	0	0	0	0	0
121–130	2	0	0	6	0	0	0	0	0
131–140	5	1	0	4	2	0	0	0	0
141–150	3	0	0	4	0	0	0	0	0
151–160	1	0	0	0	0	0	0	0	0
161–170	1	0	4	1	0	0	0	0	0
171–180	0	0	34	0	0	0	0	1	0
181–190	0	0	102	0	2	3	1	2	0
191–200	0	0	90	0	2	21	12	6	3
201–210	0	0	17	1	0	35	13	7	6
211–220	0	0	1	1	0	23	8	8	4
221–230				0	0	2	0	1	0
231–240				0	0	0	0	0	0
241–250				0	0	0	0	0	0
251–260				0	0	1	0	0	0
Total	32	2	248	30	6	85	34	25	13

Table S3. (Cont.)

(b) Age (years)	Clasper stage			Uterus stage					
	C1	C2	C3	U1	U2	U3	U4	U5	U6
0	5	0	0	1	0	0	0	0	0
1	9	0	0	7	0	0	0	0	0
2	6	1	0	7	0	0	0	0	0
3	6	1	0	5	1	0	0	0	0
4	3	0	0	2	1	0	0	0	0
5	1	0	0	2	0	0	0	0	0
6	1	0	0	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	2	1	0	0	0	0	0
9	0	0	9	0	0	0	0	0	0
10	0	0	12	0	0	1	0	0	0
11	0	0	24	0	0	1	1	0	0
12	0	0	19	0	0	1	0	0	0
13	0	0	37	0	0	4	1	3	0
14	0	0	29	0	1	2	3	1	4
15	0	0	31	0	1	10	5	3	0
16	0	0	17	0	0	8	5	4	1
17	0	0	6	0	1	9	5	2	1
18	0	0	2	0	0	13	1	2	0
19	0	0	2	0	1	3	1	3	1
20	0	0	4	0	0	5	2	0	2
21	0	0	2	0	0	2	1	0	1
22	0	0	2	0	0	2	1	0	0
23				0	0	0	0	0	0
24				0	0	0	0	0	0
25				0	0	1	0	0	0
26				0	0	0	0	0	0
27				0	0	1	0	0	0
Total	31	2	198	26	6	63	26	18	10