

The Canadian Field-Naturalist

SUPPLEMENTARY MATERIALS:

Salmon Shark (*Lamna ditropis*) scratching behaviour using floating anthropogenic debris

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Table S1. Image-based records of Salmon Shark (*Lamna ditropis*) scratching events. We used a GoPro and drones to film aerial and underwater photos (JPG and DNG) and videos (MP4; camera specifications provided in main text Table 1). For each event, we assigned an identification number and noted the body part scratched. Some events were recorded by both the GoPro and drone (e.g., 2019 scratching events no. 11, 12, and 13 were recorded in GH010560.MP4 and DJI_0055.MP4).

Camera	File name and format	Time (PST)	Video length, h:min:s	Event no.	Body part
GoPro	GH010557.MP4	1035	0:00:52	1, 2	All undetermined
GoPro	GH010558.MP4	1036	0:01:06	3, 4	All undetermined
GoPro	GH010559.MP4	1038	0:02:00	5, 6, 7, 8, 9, 10	Ventral, ventral, ventral, ventral, side, ventral
GoPro	GH010560.MP4	1041	0:01:26	11, 12, 13	All side
GoPro	GH010561.MP4	1043	0:01:39	14, 15, 16, 17, 18, 19	Undetermined, side, side, undetermined, side, side
GoPro	GH010562.MP4	1046	0:00:58	20, 21, 22, 23	Undetermined, ventral, dorsal, undetermined
GoPro	GH010566.MP4	1050	0:00:51	24	Undetermined
Drone	DJI_0055.MP4	1040	0:01:33	11, 12, 13, 14, 15, 16	Side, ventral, ventral, ventral, side, side
Drone	DJI_0057.JPG	1044		17	Dorsal
Drone	DJI_0062.JPG	1044		18	Dorsal
Drone	DJI_0067.JPG	1045		19	Dorsal
Drone	DJI_0075.JPG	1045		20	Dorsal
Drone	DJI_0081.DNG	1045		21	Dorsal
Drone	DJI_0088.MP4	1045	0:00:08	22	Dorsal
Drone	DJI_0089.MP4	1046	0:00:12	23	Dorsal
Drone	DJI_0090.MP4	1046	0:00:16	24	Dorsal
Drone	DJI_0092.MP4	1046	0:00:05	25	Dorsal
Drone	DJI_0093.MP4	1047	0:00:08	26	Dorsal
Drone	DJI_0094.MP4	1047	0:00:11	27	Dorsal
Drone	DJI_0095.MP4	1047	0:00:06	28	Dorsal
Drone	DJI_0096.DNG	1048		29	Side
Drone	DJI_0103.DNG	1048		30	Side
Drone	DJI_0124.DNG	1048		31	Undetermined
Drone	DJI_0131.DNG	1049		32	Ventral
Drone	DJI_0138.DNG	1049		33	Ventral
Drone	DJI_0145.DNG	1049		34	Ventral
Drone	DJI_0152.DNG	1050		35	Ventral
Drone	DJI_0159.DNG	1050		36	Ventral
Drone	DJI_0166.DNG	1050		37	Ventral
Drone	DJI_0173.MP4	1051	0:00:58	38, 39, 40, 41	Ventral, ventral, undetermined, undetermined
Drone	DJI_0174.MP4	1052	0:00:20	42	Side
Drone	DJI_0175.MP4	1052	0:00:04	43	Side

Table S1. Continued.

Camera	File name and format	Time (PST)	Video length, h:min:s	Event no.	Body part
Drone	DJI_0183.DNG	1053		44	Side
Drone	DJI_0190.DNG	1053		45	Side
Drone	DJI_0211.DNG	1053		46	Undetermined
Drone	DJI_0218.DNG	1054		47	Undetermined
Drone	DJI_0225.MP4	1054	0:00:09	48	Ventral
Drone	DJI_0151.MP4	1454	0:00:55	1, 2, 3, 4, 5	Undetermined, ventral, ventral, ventral, ventral
Drone	DJI_0152.MP4	1455	0:00:05	6	Ventral
Drone	DJI_0153.MP4	1455	0:00:04	7	Ventral
Drone	DJI_0154.MP4	1455	0:00:05	8	Ventral
Drone	DJI_0155.MP4	1456	0:00:04	9	Ventral
Drone	DJI_0156.JPG	1456		10	Ventral
Drone	DJI_0158.JPG	1456		11	Ventral
Drone	DJI_0159.JPG	1456		12	Ventral
Drone	DJI_0163.JPG	1457		13	Undetermined
Drone	DJI_0164.JPG	1457		14	Ventral
Drone	DJI_0167.JPG	1457		15	Ventral
Drone	DJI_0171.JPG	1458		16	Ventral
Drone	DJI_0172.MP4	1458	0:00:10	17	Dorsal
Drone	DJI_0174.JPG	1458		18	Side/dorsal
Drone	DJI_0178.JPG	1459		19	Dorsal
Drone	DJI_0179.MP4	1459	0:00:50	20, 21, 22, 23	All ventral
Drone	DJI_0182.JPG	1500		24	Undetermined
Drone	DJI_0184.JPG	1500		25	Undetermined
Drone	DJI_0186.JPG	1500		26	Ventral
Drone	DJI_0187.JPG	1501		27	Ventral
Drone	DJI_0190.JPG	1501		28	Ventral
Drone	DJI_0193.JPG	1502		29	Ventral
Drone	DJI_0195.JPG	1502		30	Ventral
Drone	DJI_0197.MP4	1502	0:00:53	31, 32, 33, 34, 35	All ventral
Drone	DJI_0198.MP4	1503	0:00:05	36	Ventral
Drone	DJI_0201.JPG	1504		37	Ventral
Drone	DJI_0203.JPG	1504		38	Ventral
Drone	DJI_0206.MP4	1504	0:00:06	39	Ventral
Drone	DJI_0207.MP4	1505	0:00:28	40, 41	All ventral

Note: PST = Pacific standard time.

VIDEO S1. Natural history footage of Salmon Shark (*Lamna ditropis*) scratching behaviour. By S. Du Preez^{1,2} and C. Du Preez^{3,4}. Observations of Salmon Shark (*Lamna ditropis*) following floating anthropogenic debris and using it to scratch their bodies. The first shark interaction involved a barnacle-encrusted log and was filmed on 19 July 2019 using an underwater camera and a drone. The second interaction involved a piece of fibreglass and was filmed on 25 June 2021 using a drone. Overlay captions are provided for each clip and include the year and subject (e.g., 2019 Salmon Shark), a description (e.g., Scratching event no. 14 [ventral]) and the playback rate if slowed down (e.g., 0.4 speed).

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Also available online through YouTube: <https://youtu.be/D36T8qxoUrg>