

The following supplement accompanies the article

Global review of shark and ray entanglement in anthropogenic marine debris

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Figure S1 A-H: Images of shark species entangled in marine anthropogenic debris from the scientific literature. A) Juvenile blue shark (*Prionace glauca*) entangled in the gill region with strapping bands (Miguel Cayuela Padilla from Colmenero et al 2017). B) Smalltooth sawfish (*Pristis pectinate*) entangled around the gill region with an elastic band (Seitz & Poulakis 2006). C) Shortfin Mako (*Isurus oxyrinchus*) entangled with fishing rope around the gill region (Wegner & Cartamil 2012). D) Brazilian sharpnose shark (*Rhizoprionodon lalandii*) entangled in the gill region with plastic debris rings (Sazima et al 2002). Alongside images of shark species entangled in marine anthropogenic debris found on social media site "Twitter". E) Two lesser spotted dogfish (*Scyliorhinus canicula*) entangled in netting, Chesil beach, Dorset (Steve Trehwella). F) Spot-tail shark (*Carcharhinus sorrah*) entangled in the gill region with a polythene bag, south of Astola Island (WWF-Pakistan). G) Great white shark (*Carcharodon carcharias*) entangled in fishing rope, Guadeloupe, Mexico (Mike Bolton & Skyler Thomas). H) Whale shark (*Rhincodon typus*) entangled in fishing rope (Caters News Agency). All images used with permission.

LITERATURE CITED

Colmenero, A.I., Barría, C., Broglio, E. and García-Barcelona, S. (2017) Plastic debris straps on threatened blue shark *Prionace glauca*. *Marine pollution bulletin*, 115(1-2), pp.436-438, doi: [10.1016/j.marpolbul.2017.01.011](https://doi.org/10.1016/j.marpolbul.2017.01.011)

Sazima, I., Gadig, O.B., Namora, R.C. and Motta, F.S. (2002) Plastic debris collars on juvenile carcharhinid sharks (*Rhizoprionodon lalandii*) in southwest Atlantic. *Marine Pollution Bulletin*, 44(10), pp.1149-1151, doi: [10.1016/S0025-326X\(02\)00141-8](https://doi.org/10.1016/S0025-326X(02)00141-8)

Seitz, J.C. and Poulakis, G.R. (2006) Anthropogenic effects on the smalltooth sawfish (*Pristis pectinata*) in the United States. *Marine Pollution Bulletin*, 52(11), pp.1533-1540, doi: [10.1016/j.marpolbul.2006.07.016](https://doi.org/10.1016/j.marpolbul.2006.07.016)

Wegner, N.C. and Cartamil, D.P. (2012) Effects of prolonged entanglement in discarded fishing gear with substantive biofouling on the health and behavior of an adult shortfin mako shark, *Isurus oxyrinchus*. *Marine pollution bulletin*, 64(2), pp.391-394, doi: [10.1016/j.marpolbul.2011.11.017](https://doi.org/10.1016/j.marpolbul.2011.11.017)