

Supplementary Material 1 - Literature review

Ascension Island Government. (2021). The Ascension Island Marine Protected Area Management Plan 2021-26. Ascension Island Government Conservation and Fisheries Directorate. Available at: <<https://www.ascension.gov.ac/project/mpa-management-plan>>. [06 October 2022].

Bailey, S. A. (2015). An overview of thirty years of research on ballast water as a vector for aquatic invasive species to freshwater and marine environments. *Aquat. Ecosyst. Health* 18 (3), 1–8.

Barnes, D. K. and Milner, P. (2005). Drifting plastic and its consequences for sessile organism dispersal in the Atlantic Ocean. *Mar. Biol.* 146 (4), 815–825.

Barnes, D. K. A., Morley, S. A., Bell, J., Brewin, P., Bridgen, K., Collins, M. et al. (2018). *Curr. Biol.* 28, R1121–R1142. doi: 10.1016/j.cub.2018.08.064.

Barnes, D. K. (2017). Marine colonization and biodiversity at Ascension Island and remote islands. *J. Mar. Biolog. Assoc.* 97 (4), 771–782.

Barnes, D. K., Morley, S. A., Bell, J., Brewin, P., Brigden, K., Collins, M., et al. (2018). Marine plastics threaten giant Atlantic marine protected areas. *Curr. Biol.* 28 (19), R1137–R1138.

Barnes, D. K., Sands, C. J., Richardson, A. and Smith, N. (2019). Extremes in benthic ecosystem services; Blue carbon natural capital shallower than 1000 m in isolated, small, and young Ascension Island’s EEZ. *Front. Mar. Sci.* 6.

Bellas, J., Martínez-Armental, J., Martínez-Cámara, A., Besada, V. and Martínez-Gómez, C. (2016). Ingestion of microplastics by demersal fish from the Spanish Atlantic and Mediterranean coasts. *Mar. Pollut. Bull.* 109 (1), 55–60.

Bensch, A., Gianni, M., Greboval, D., Sanders, J., and Hjort, A. (2019). Worldwide review of bottom fisheries in the high seas. *FAO Fisheries and Aquaculture Technical Papers* 522. Rome. 156p.

Bezerra, M. F., Lacerda, L. D. and Lai, C. T. (2019). Trace metals and persistent organic pollutants contamination in batoids (Chondrichthyes: Batoidea): a systematic review. *Environ. Pollut.* 248, 684–695.

Bianca, G. L., Tilin, H., Hodgson, B., Erni-Cassola, G., Howell, K., Rees, S. (2018). Ascension Island Natural Capital Assessment: Marine ecosystem services report. <<https://data.jncc.gov.uk/data/353f5200-775a-4f90-9ada-df9a14071e68/ot-nca-sup-sat-03-asi-asinca-oct2018.pdf>>

Blue Belt programme, RSPB, 2020. The Ascension Island Marine Protected Area Management Plan 2021-2026. <https://www.ascension.gov.ac/project/mpa-management-plan>

BOEM 2020. Electromagnetic Fields (EMF) & Marine Life. Available at: www.boem.gov

Brentano, R., Brum, A. C., Montone, R. C. and Petry, M. V. (2020). Incidence of anthropogenic material in *Sula leucogaster* nests in a distant archipelago of Brazil. *Mar. Pollut. Bull.* 151, 110815.

Bridges, A. E. H., Barnes, D. K. A., Bell, J. B., Ross, R. E., Howell, K. L. Submitted. Benthic community composition of South Atlantic seamounts.

Brickle, P., Brown, J., Küpper, F. C. and Brewin, P. E. (2017). Biodiversity of the marine environment around Ascension Island, South Atlantic. *J. Mar. Biolog. Assoc.* 97 (4), 643–646.

Broderick, A. C., Glen, F. and Godley, B. G. C. (2002). A management plan for the marine turtles of Ascension Island <<http://lists.seaturtle.org/mtrg/projects/ascension/AscensionMPlan.pdf>>.

Brown, A., Wright, R., Mevenkamp, L. and Hauton, C. (2017). A comparative experimental approach to ecotoxicology in shallow-water and deep-sea holothurians suggests similar behavioural responses. *Aquat Toxicol.* 191, 10–16. doi: 10.1016/j.aquatox.2017.06.028.

Brown, J. (2014). Project report: Mapping St. Helena's marine biodiversity to create a marine management plan. Available at: <https://www.darwininitiative.org.uk/documents/DAR19031/23502/19-031%20FR%20-%20Edited.pdf>

Bruno, J. F., Carr, L. A. and O'Connor, M. I. (2015). Exploring the role of temperature in the ocean through metabolic scaling. *Ecology* 96 (12), 3126–3140.

Burgher, C., Schubert, A., Heinanen, S., Dorsch, M., Kleinschmidt, B., Zydelis, R. et al. (2019). A novel approach for assessing effects of ship traffic on distributions and movements of seabirds. *J. Environ. Manage.* 251, 109511.

Burns, P., Hawkins, J. P. and Roberts, C. M. (2020). Reconstructing the history of ocean wildlife around Ascension Island. *Aquatic Conserv. Mar. Freshw. Ecosyst.* 30, 1220–1237.

Buskey, E. J., White, H. K. and Esbaugh, A. J. (2016). Impact of oil spills on marine life in the Gulf of Mexico: effects on plankton, nekton, and deep-sea benthos. *Oceanography* 29 (3), 174–181. doi: 10.5670/oceanog.2016.81.

Buxton, R. T., Galvan, R., McKenna, M. F., White, C. L. and Seher, V. (2017). Visitor noise at a nesting colony alters the behavior of a coastal seabird. *Mar. Ecol. Prog.* 570, 233–246.

Byrnes, T. A. and Dunn, R. J. K. (2020). Boating - and shipping - related environmental impacts and example management measures: a review. *J. Mar. Sci. Eng.* 8, 908.

Bax, N., Williamson, A., Agüero, M., Gonzalez, E. and Geeves, W. (2003). Marine invasive alien species: a threat to global biodiversity. *Mar. Policy* 27 (4), 313–323.

- Casper, B. M., Halvorsen, M. B. and Popper, A. N. (2012). Are sharks even bothered by a noisy environment? In: The effects of noise on aquatic life (pp. 93–97). Springer, New York, NY.
- Caric, H. and Mackelworth, P. (2014). Cruise tourism environmental impacts - The perspective from the Adriatic Sea. *Ocean and Coastal Manag.* 102, 350–363.
- Carneiro, C., Varela-Junior, A.S., Barcarolli, I.F. and Bianchini, A. (2013). Concentrations and distributions of metals in tissues of stranded green sea turtles (*Chelonia mydas*) from the southern Atlantic coast of Brazil. *Sci. Total Environ.* 466, 109–118.
- Carroll, A. G., Przeslawski, R., Duncan, A., Gunning, M. and Bruce, B. (2017). A critical review of the potential impacts of marine seismic surveys on fish & invertebrates. *Mar. Pollut. Bull.* 114 (1), 9–24.
- Carvalho-Souza, G. F., de Llope, M., Tinôco, M. S., Medeiros, D.V., Maia-Nogueira, R. and Sampaio, C. L. S. (2018). Marine litter disrupts ecological processes in reef systems. *Mar. Pollut. Bull.* 133, 464–471.
- Chiappone, M., Dienes, H., Swanson, D.W. and Miller, S.L. (2005). Impacts of lost fishing gear on coral reef sessile invertebrates in the Florida Keys National Marine Sanctuary. *Biol. Conserv.* 121, 221–230. doi:10.1016/j.biocon.2004.04.023.
- Clark, C. (2019). A review of the global commercial cephalopod fishery, with a focus on apparent expansion, changing environments, and management. capstone. Nova Southeastern University. Retrieved from NSUWorks. (343) https://nsuworks.nova.edu/cnso_stucap/343
- Courtene-Jones, W., Quinn, B., Gary, S.F., Mogg, A.O. and Narayanaswamy, B.E., (2017). Microplastic pollution identified in deep-sea water and ingested by benthic invertebrates in the Rockall Trough, North Atlantic Ocean. *Envir. Pollut.* 231, 271–280.
- Crini, G. and Lichtfouse, E. (2019). Advantages and disadvantages of techniques used for wastewater treatment. *Environ. Chem. Lett.* 17 (1), 145–155.
- Cryer, M., Hartill, B. and O’Shea, S. (2002). Modification of marine benthos by trawling: toward a generalization for the deep ocean? *Ecol. Appl.* 12 (6), 1824–1839. doi: 10.1890/1051-0761(2002)012[1824:MOMBBT]2.0.CO;2.
- Czermanski, E., Pawłowska, B., Oniszczyk-Jastrzabek, A., and Cirella, G. T. (2020). Decarbonization of maritime transport: analysis of external costs. *Front. Energy Res.* 8, 28. Doi: 10.3389/fenrg.2020. 00028.
- Danoun, R. (2007). Desalination Plants: Potential impacts of brine discharge on marine life. Thesis, The University of Sydney, Australia.
- de Brito, A. P. X., Takahashi, S., Ueno, D., Iwata, H., Tanabe, S. and Kubodera, T. (2002). Organochlorine and butyltin residues in deep-sea organisms collected from the western North Pacific, off-Tohoku, Japan. *Mar. Pollut. Bull.* 45, 348– 361.

- Dutkiewicz, A., Müller, R.D., O’Callaghan, S. and Jónasson, H. (2015). Census of seafloor sediments in the world’s ocean. *Geology* 43 (9), 795–798.
- Duarte, C. M., Chapuis, L., Collin, S. P., Costa, D. P., Devassy, R. P., Eguiluz, et al. (2021). The soundscape of the Anthropocene ocean. *Science*, 371(6529).
- Edwards, A. J. (1993). New records of fishes from the Bonaparte Seamount and Saint Helena Island, South Atlantic. *J. Nat. Hist.* 27 (2), 493–503.
- Ellis, T. G. (2004). Chemistry of wastewater. *Encyclopedia of Life Support System (EOLSS)* 2, 1–10.
- Environment Systems Ltd. (2018). DPLUS052: Mapping St Helena’s Biodiversity and Natural Environment Remote sensing, monitoring & ecosystem service mapping. Available at: https://www.sainthelena.gov.sh/wp-content/uploads/2018/08/DPLUS_052_FinalReport_20180723.pdf
- Erbe, C., Marley, S. A., Schoeman, R. P., Smith, J. N., Trigg, L. E. and Embling, C. B. (2019). The effects of ship noise on marine mammals – A review. *Front. Mar. Sci.* 6, 606. doi: 10.3389/fmars.2019.00606.
- Erbe, C., Peel, D., Redfern, J., Smith, J. N., eds. (2020). *Impacts of Shipping on Marine Fauna*. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88966-085-8.
- Farcas, A., Powell, C. F., Brookes, K. L. and Merchant, N. D. (2020). Validated shipping noise maps of the Northeast Atlantic. *Sci. Total Environ.* 735, 139509.
- FAO. (2020). Worldwide review of bottom fisheries in the high seas in 2016. *FAO Fisheries and Aquaculture Technical Paper No. 657*. Rome. doi:10.4060/ca7692en.
- Fernandez-Arcaya, U., Ramirez-Llodra, E., Aguzzi, J., Allcock, A. L., Davies, J. S., Dissanayake, A. et al. (2017). Ecological role of submarine canyons and need for canyon conservation: A review. *Front. Mar. Sci.* 4, 1–26. doi: 10.3389/fmars.2017.00005.
- Foden, J., Rogers, S. I. and Jones, A. P. (2010). Recovery of UK seabed habitats from benthic fishing and aggregate extraction—towards a cumulative impact assessment. *Mar. Ecol. Prog.* 411, 259–270. doi: 10.3354/meps08662.
- Francini-Filho et al 2018. Diagnóstico Biológico e Sócio-Econômico para a proposta de criação de uma Área de Proteção Ambiental (APA) e um Monumento Natural Marinho (MONA) no Arquipélago São Pedro e São Paulo.
- Fisher, C. and Slater, M. (2010). Effects of electromagnetic field on marine species: a literature review. *Oregon Wave Energy Trust (OWET)*. 26 p
- Gage, J. D. et al. (2005). Potential impacts of deep-sea trawling on the benthic ecosystem along the Northern European continental margin: a review. In: *Symposium on Effects of Fishing Activities on Benthic Habitats*, Tampa, Florida, United States, pp. 503–517.
- Giglio, V. J., Pinheiro, H. T., Bender, M. G., Bonaldo, R. M., Costa-Lotufo, L. V., Ferreira, C. E. et al. (2018). Large and remote marine protected areas in the South

Atlantic Ocean are flawed and raise concerns: Comments on Soares and Lucas (2018). *Mar. Pol.* 96, 13–17.

Giglio, V. J., Luiz, O. J. and Ferreira, C. E. L. (2020). Ecological impacts and management strategies for recreational diving: a review. *J. Environ. Manage.* 256, 109949.

Grillo, A. C. and Mello, T. J. (2021). Marine debris in the Fernando de Noronha Archipelago, a remote oceanic marine protected area in tropical SW Atlantic. *Mar. Pollut. Bull.* 164. doi: 10.1016/j.marpolbul.2021.112021.

Goren, M., Galil, B. S., Diamant, A., Stern, N. and Levitt-Barmats, Y. A. (2016). Invading up the food web? Invasive fish in the southeastern Mediterranean Sea. *Mar. Biol.* 163 (8), 1–11.

Green, D. S., Kregting, L., Boots, B., Blockley, J. D., Brickle, P., da Costa, M. et al. (2018). A comparison of sampling methods for seawater microplastics and a first report of the microplastic litter in coastal waters of Ascension and Falkland Islands. *Mar. Pollut. Bull.* 137, 695 – 701. doi: 10.1016/j.marpolbul.2018.11.004.

Grillo, A. C. and Mello, T. J. (2021). Marine debris in the Fernando de Noronha Archipelago, a remote oceanic marine protected area in tropical SW Atlantic. *Mar. Pollut. Bull.* 164, 112021.

Guijarro, G. E. et al. (2007). Bottom Trawling and Scallop Dredging in the Arctic: Impacts of fishing on non-target species, vulnerable habitats and cultural heritage. Copenhagen: Nordic Council of Ministers, pp. 375.

Hall–Spencer, J., Allain, V. and Fossa, J. H. (2002). Trawling damage to Northeast Atlantic ancient coral reefs. *Proc. R. Soc. B: Biol. Sci.* 269 (1490), 507–511.

Harino, H., Iwasaki, N., Arai, T., Ohji, M. and Miyazaki, N. (2005). Accumulation of Organotin Compounds in the Deep-Sea Environment of Nankai Trough, Japan. *Arch. Environ. Contam. Toxicol.* 49, 497–503.

Hatje, V., Lamborg, C. H. and Boyle, E. A. (2018). Trace-metal contaminants: human footprint on the ocean. *Elements* 14 (6), 403–408.

Hiddink, J. G., Jennings, S., Kaiser, M. J., Queirós, A. M., Duplisea, D. E. and Piet, G. J. (2006). Cumulative impacts of seabed trawl disturbance on benthic biomass, production, and species richness in different habitats. *Can. J. Fish. Aquat.* 63 (4), 721–736. doi: 10.1139/f05-266.

Hinz, H., Prieto, V. and Kaiser, M. J. (2009). Trawl disturbance on benthic communities: chronic effects and experimental predictions. *Ecol. Appl.* 19 (3), 761–773. doi: 10.1890/08-0351.1.

Hobbs, R., Henry, L., Martin, S., Glass, T., Pelembe, T. and Baum, D. (2021). Key climate change effects on the coastal and marine environment around the South Atlantic UK Overseas Territories. MCCIP Science Review, 22pp.

ICCAT. (2018). International Commission for the Conservation of Atlantic Tunas. Report of the Standing Committee on Research and Statistics (SCRS). Madrid, Spain.

Irving, R. A. (2015). The offshore marine environment of Ascension Island, South Atlantic: scientific review and conservation status assessment. Report to the Royal Society for the Protection of Birds (RSPB) by Sea-Scope Marine Environmental Consultants.

Isacksson, P. S., de Farias, E. G. G., Dias, F. J., de Farias, R. N., Machado, A., de Assis Esteves, F. and Molisani, M. M. (2019). Small river basin and estuarine sediment fluxes: The magnitude necessary for coastal dispersion and siltation effects on a coral reef. *Int. J. Sediment Res.* 34 (6), 591–599.

Jägerbrand, A. K., Brutemark, A., Svedén, J.B. and Gren, M. (2019). A review on the environmental impacts of shipping on aquatic and near shore ecosystems. *Sci. Total Environ.* 695, 133637. doi: 10.1016/j.scitotenv.2019.133637.

James, R. J. (2000). From beaches to beach environments: linking the ecology, human-use and management of beaches in Australia. *Ocean Coast. Manage.* 43 (6), 495–514.

Kaiser, M. J., Ramsay, K., Richardson, C. A., Spence, F. E. and Brand A. R. (2000). Chronic fishing disturbance has changed shelf sea benthic community structure. *J. Anim. Ecol.* 69 (3), 494–503. doi: 10.1046/j.1365-2656.2000.00412.x.

Kamer, K. and Fong, P. (2000). A fluctuating salinity regime mitigates the negative effects of reduced salinity on the estuarine macroalga, *Enteromorpha intestinalis* (L.) link. *J. Exp. Mar. Biol.* 254(1), 53–69.

Keller, A. A., Fruh, E. L., Johnson, M. M., Simon, V. and McGourty, C. (2010). Distribution and abundance of anthropogenic marine debris along the shelf and slope of the US West Coast. *Mar. Pollut. Bull.* 60 (5), 692–700.

Kingston, P. F. (2002). Long-term environmental impact of oil spills. *Spill Sci. Technol. Bull.* 7(1), 53–61. doi:10.1016/S1353-2561(02)00051-8.

Kroodsma, D. A., Mayorga, J., Hochberg, T., Miller, N. A., Boerder, K., Ferretti, F., et al. (2018). Tracking the global footprint of fisheries. *Science* 359 (6378), 904–908.

Lamb, J. B., Willis, B. L., Fiorenza, E. A., Couch, C. S., Howard, R., Rader, D.N., et al. (2018). Plastic waste associated with disease on coral reefs. *Science* 359 (6374), 460–462. <http://dx.doi.org/10.1126/science.aar3320>.

Lee, J. S., Tanabe, S., Takemoto, N. and Kubodera, T. (1997). Organochlorine residues in deep-sea organisms from Suruga Bay, Japan. *Mar. Pollut. Bull.* 34, 250–258.

Lewison, R. L., Crowder, L. B., Wallace, B. P., Moore, J. E., Cox T, Zydelis, R. et al. (2014). Global patterns of marine mammal, seabird, and sea turtle bycatch reveal taxa-specific and cumulative megafauna hotspots. *PNAS* 111(14) 5271-5276.

- Lively, J.A and Good, T.P. (2019). Ghost fishing. IN: World Seas: an Environmental Evaluation, 183-196
- Luiz, O. J., Mendes, T. C., Barneche, D. R., Ferreira, C. G., Noguchi, R., Villaça, R. C. et al. (2015). Community structure of reef fishes on a remote oceanic island (St Peter and St Paul's Archipelago, equatorial Atlantic): the relative influence of abiotic and biotic variables. *Mar. Freshw. Ecosyst.* 66(8), 739-749.
- Main, C. E. et al. (2015). Hydrocarbon contamination affects deep-sea benthic oxygen uptake and microbial community composition. *Deep Sea Research Part I: Oceanographic Research Papers*, 100, pp. 79–87. doi: 10.1016/j.dsr.2014.12.008.
- Martins, M. F., Costa, P. G. and Bianchini, A. (2021). Maternal transfer of polycyclic aromatic hydrocarbons in an endangered elasmobranch, the Brazilian guitarfish. *Chemosphere* 263, 128275.
- MARPOL (1978). International Convention for the Prevention of Pollution from Ships (MARPOL). Annex V Prevention of Pollution by Garbage from Ships (entered into force 31 December 1988, amendments 2011)
- McDonald, M. A., Hildebrand, J. A. and Wiggins, S. M. (2006). Increases in deep ocean ambient noise in the Northeast Pacific west of San Nicolas Island, California. *J. Acoust. Soc. Am.* 120 (2), 711-718.
- McGoran, A. R., Maclaine, J. S., Clark, P. F. and Morritt, D. (2021). Synthetic and Semi-Synthetic Microplastic Ingestion by Mesopelagic Fishes From Tristan da Cunha and St Helena, South Atlantic. *Front. Mar. Sci.* 8, 78.
- McLachlan, A. 1996. Physical factors in benthic ecology: effects of changing sand particle size on beach fauna. *Mar. Ecol. Prog.* 131, 205–217.
- Millington, K. and Smith, N. (2019). Tourism potential assessment for Ascension Island. Final Report for the South Atlantic Overseas Territories Natural Capital Assessment.
- Monteiro, R. C., do Sul, J. A. I. and Costa, M. F. (2018). Plastic pollution in islands of the Atlantic Ocean. *Environ. Pollut.* 238, 103–110.
- Moore H M, Roberts D, Harriott M, Thorburn Burns D, (1997). Holothurians - potential biomonitors for metal levels in deep-sea sediments. *J. Anal. Chem.* 358, 652–655
- Moreira, A. P. B., Tonon, L. A. C., Cecilia do Valle, P. P., Alves, N., Amado-Filho, G. M., Francini-Filho, R. B., et al. (2014). Culturable heterotrophic bacteria associated with healthy and bleached scleractinian *Madracis decactis* and the fireworm *Hermodice carunculata* from the Remote St. Peter and St. Paul Archipelago, Brazil. *Curr. Microbiol.* 68(1), 38–46.
- National Research Council. 1995. Clean Ships, Clean Ports, Clean Oceans: Controlling Garbage and Plastic Wastes at Sea. Washington, DC: The National Academies Press.

- Nelms, S. E., Galloway, T. S., Godley, B., Jarvis, D. S. and Lindeque, P. K. (2018). Investigating microplastic trophic transfer in marine top predators. *Environ. Pollut.* 238, 999–1007.
- Nelson, W. G. (1993). Beach restoration in the southeastern US: Environmental effects and biological monitoring. *Ocean Coast Manage.* 19 (2), 157–182.
- Nolan, E. T., Barnes, D. K. A., Brown, J., Downes, K., Enderlein, P., Gowland, E. et al. (2017). Biological and physical characterization of the seabed surrounding Ascension Island from 100–1000 m. *J. Mar. Biol. Assoc.* 97 (4), 647–659.
- Normandeau, E., Tricas, T. and Gill, A. (2011). Effects of EMFs from undersea power cables on elasmobranchs and other marine species. U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region, Camarillo, CA. OCS Study BOEMRE, 09.
- Nunes, L. T., Cord, I., Francini-Filho, R. B., Stampar, S. N., Pinheiro, H. T., Rocha, L. A et al. (2019). Ecology of *Prognathodes obliquus*, a butterflyfish endemic to mesophotic ecosystems of St. Peter and St. Paul's Archipelago. *Coral Reefs*, 38(5), 955–960.
- OSPAR, 2009. Assessment of the Impacts of Shipping on the Marine Environment. Monitoring and Assessments Series OSPAR Commission.
- Parton, K. J., Galloway, T. S. and Godley, B. J. (2019). Global review of shark and ray entanglement in anthropogenic marine debris. *Endang. Species Res.* 39, 173–190. doi:10.3354/esr00964.
- Peng, C., Zhao, X. and Liu, G. (2015). Noise in the sea and its impacts on marine organisms. *IJERPH* 12(10), 12304–12323.
- Pettibone, G. W., Irvine, K. N. and Monahan, K. M. (1996). Impact of a ship passage on bacteria levels and suspended sediment characteristics in the Buffalo River, New York. *Water Res.* 30 (10), 2517–2521.
- Pham, C. K., Ramirez-Llodra, E., Alt, C. H., Amaro, T., Bergmann, M., Canals, M. et al. (2014). Marine litter distribution and density in European seas, from the shelves to deep basins. *PloS one*, 9(4), e95839.
- PIANC (2003). Guidelines for managing wake wash from high-speed vessels. Report of Working Group 41 of the Maritime Navigation Commission, International Navigational Association
- Probert, P. K., McKnight, D. G. and Grove, S. L. (1997). Benthic invertebrate bycatch from a deep-water trawl fishery, Chatham Rise, New Zealand', *Aquatic Conservation: Mar. Freshw. Ecosyst.* 7(1), 27–40. doi: 10.1002/(SICI)1099-0755(199703)7:1<27::AID-AQC214>3.0.CO;2-9.
- Purnell, K. (2009). Are HNS spills more dangerous than oil spills? Conference Proceedings, Interspill Conference & the 4th IMO R&D Forum, Marseille, May 12–14.

- Petatán-Ramírez, D., Hernández, L., Becerril-García, E. E., Berúmen-Solórzano, P., Auliz-Ortiz, D. and Reyes-Bonilla, H. (2020). Potential distribution of the tiger shrimp *Penaeus monodon* (Decapoda: Penaeidae), an invasive species in the Atlantic Ocean. *Revista de Biología Tropical*, 68(1), 156–166.
- Ratcliffe, N., Bell, M., Pelembe, T., Boyle, D., White, R. B. R., Godley, B., et al. (2009). The eradication of feral cats from Ascension Island and its subsequent recolonization by seabirds. *Oryx* 44: 20–29.
- Raut, R. P. and Kulkarni, K. S. (2012). Desalination by membrane distillation. *Int. J. Adv. Eng.* 1 (3), 115–121.
- Rees, S., Clingham, E., Rodwell, L., Glegg, G. and Collins, M. (2016). Marine Ecosystem Services of St Helena. Part 2: Ecosystem Service Valuations, Future Development Thresholds and Management. A report for the Environment and Natural Resources Directorate, St Helena Government by Marine Institute Plymouth University. pp 70 www.plymouth.ac.uk/research/marcopol
- Richardson, K., Haynes, D., Talouli, A. and Donoghue, M. (2017). Marine pollution originating from purse seine and longline fishing vessel operations in the Western and Central Pacific Ocean, 2003–2015. *Ambio* 46:190–200.
- Rizi, M., Rodrigues, F. L., Medeiros, L., Ortega, I., Rodrigues, L., Monteiro, D. S., Kessler, F. and Proietti, M. C. (2019). Ingestion of plastic marine litter by sea turtles in southern Brazil: abundance, characteristics and potential selectivity. *Mar. Pollut. Bull.* 140, 536–548.
- Roberts, J. M., Harvey, S. M., Lamont, P. A., Gage, J. D. and Humphery, J. D. (2000). Seabed photography, environmental assessment and evidence for deep-water trawling on the continental margin west of the Hebrides. *Hydrobiologia* 441, 173–183.
- Rocha, L. A., Pinheiro, H. T., Shepherd, B., Papastamatiou, Y. P., Luiz, O. J., Pyle, R. L. and Bongaerst, P. (2018). Mesophotic coral ecosystems are threatened and ecologically distinct from shallow water reefs. *Science* 281–284.
- Rosa, M. R., Alves, A. C., Medeiros, D. V., Coni, E. O. C., Ferreira, C. M., Ferreira, B. P. et al. (2016). Mesophotic reef fish assemblages of the remote St. Peter and St. Paul's Archipelago, Mid-Atlantic Ridge, Brazil. *Coral Reefs* 35(1), 113– 123.
- Rowlands, G., Brown, J., Soule, B., Boluda, P. T. and Rogers, A. D. (2019). Satellite surveillance of fishing vessel activity in the Ascension Island Exclusive Economic Zone and Marine Protected Area. *Mar. Pol.* 101, 39–50.
- Rummel, C. D., Löder, M. G., Fricke, N. F., Lang, T., Griebeler, E. M., Janke, M. and Gerds, G. (2016). Plastic ingestion by pelagic and demersal fish from the North Sea and Baltic Sea. *Marine pollution bulletin*, 102(1), 134-141.
- Santos RG, Andrades R, Boldrini MA, Martins AS (2015) Debris ingestion by juvenile marine turtles: An underestimated problem. *Marine Pollution Bulletin* 93: 37-43

Saviour, M. N. 2012. Environmental impact of soil and sand mining: a review. *International Journal of Science, Environment and Technology*, Vol. 1, No 3, 2012, 125 – 134.

Savoca MS, Wohlfeil M, Ebeler SE, Nevitt GA (2016) Marine plastic debris emits a keystone infochemical for olfactory foraging seabirds. *Science Advances* 11, e1600395

Schoeman, R. P., Patterson-Abrolat, C., & Plön, S. (2020). A Global Review of Vessel Collisions With Marine Animals. *Front. Mar. Sci.* 7, 292.

SHG, 2016. St Helena Marine Management Plan. St Helena Government Gazette Vol. XLXII, No. 91, 16th September 2016.

Silva C.C, Klein R.D, Barcarolli IF, Bianchini A (2016) Metal contamination as a possible etiology of fibropapillomatosis in juvenile female green sea turtles *Chelonia mydas* from the southern Atlantic Ocean. *Aquatic Toxicology* 170: 42-51

SMITH, T & HUGHES, J A. (2008). A review of indicators and identification of gaps: Deep-sea habitats. Southampton, UK: National Oceanography Centre, Southampton, 72pp.

Soares, M. D. O., Tavares, T. C. L., & Carneiro, P. B. D. M. (2019). Mesophotic ecosystems: Distribution, impacts and conservation in the South Atlantic. *Diversity and Distributions*, 25(2), 255-268.

Stelfox, M., Hudgins, J., & Sweet, M. (2016). A review of ghost gear entanglement amongst marine mammals, reptiles and elasmobranchs. *Marine pollution bulletin*, 111(1-2), 6-17.

St Helena Government. Environmental policy for “Whale shark (*Rhincodon typus*), Devil ray (*mobula tarapacana*) and cetacean interaction activities on St. Helena Island to minimise risk of injury and disturbance”. <https://www.sainthelena.gov.sh/wp-content/uploads/2018/07/Environmental-policy-for-whale-shark-devil-ray-and-cetacean-interaction-activities-on-SH.pdf>

St. Helena Government. 2016. St Helena Marine Management Plan. Available at: <https://www.sainthelena.gov.sh/wp-content/uploads/2018/07/Marine-Management-Plan.pdf>

Stamford, T, Collins, M. , Stockill, J.,Hardman, E. (2018). Blue Belt Overseas Territory Work Plan: St Helena. Blue Belt Programme . https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/915444/002_Blue_Belt_work_plan_-_St_Helena.pdf

Stobutzki, I., Miller, M., & Brewer, D. (2001). Sustainability of fishery bycatch: a process for assessing highly diverse and numerous bycatch. *Environmental Conservation*, 167-181.

Sul, J. A. I., Costa M. F., Barletta M. and Cysneiros F. J. A. (2013). Pelagic microplastics around an archipelago of the Equatorial Atlantic. *Mar. Pollut. Bull.* 75(1), 305–309. doi: 10.1016/j.marpolbul.2013.07.040.

- Svendsen, T. C., Camus, L., Hargrave, B., Fisk, A., Muir, D. C. G. and Borga, K. (2007). Polyaromatic hydrocarbons, chlorinated and brominated organic contaminants as tracers of feeding ecology in polar benthic amphipods. *Mar. Ecol. Prog.* 337, 155–164.
- Taconet, M., Kroodsma, D. and Fernandes, J. A. (2019). Global Atlas of AIS-based fishing activity - Challenges and opportunities. Rome, FAO. Available at www.fao.org/3/ca7012en/ca7012en.pdf.
- Takahashi, S., Tanabe, S. and Kubodera, T. (1997). Butyltin residues in deep-sea organisms collected from Suruga Bay, Japan. *Environ. Sci. Technol.* 31, 3103–3109.
- Thompson, N. P., Rankin, P. W. and Johnston, D. W. (1974). Polychlorinated biphenyls and p,p' DDE in green turtle eggs from Ascension Island, South Atlantic Ocean. *Bull. Environ. Contam. Toxicol.* 11 (5), 399–406.
- Valente, T., Sbrana, A., Scacco, U., Jacomini, C., Bianchi, J., Palazzo, L. et al. (2019). Exploring microplastic ingestion by three deep-water elasmobranch species: A case study from the Tyrrhenian Sea. *Environ. Pollut.* 253, 342–350.
- Varnham, K. (2006). Non-native species in UK Overseas Territories: a review. JNCC Report 372. Peterborough: United Kingdom.
- Vaske, T. J., de Lima, K. L., Ribeiro, A. C. B. and Lessa, R. P. (2008) Record of the St. Helena deepwater scorpionfish, *Pontinus nigropunctatus* (Günther) (Scorpaeniformes: Scorpaenidae) in the Saint Peter and Saint Paul Archipelago, Brazil. *Pan-Am. J. Aquat. Sci.* 3, 46–48.
- Velasco, J., Gutiérrez-Cánovas, C., Botella-Cruz, M., Sánchez-Fernández, D., Arribas, P., Carbonell, J. A. et al. (2019). Effects of salinity changes on aquatic organisms in a multiple stressor context. *Philos. T. R. Soc. B.* 374 (1764), 20180011.
- Viana, D. F., Hazin, F. H. V., Andrade, H. A., Nunes, D. M., Viana, D. L. (2018). Fisheries in the Saint Peter and Saint Paul archipelago: 13 years of monitoring. *Bol. Inst. Pesca* 41, 239–248. <https://www.pesca.sp.gov.br/boletim/index.php/bip/article/view/373>
- Vieites, D. R., Nieto-Román, S., Palanca, A., Ferrer, X. and Vences, M. (2004). European Atlantic: the hottest oil spill hotspot worldwide. *Naturwissenschaften* 91(11), 535–538.
- Vieira, R. P., Bett, B. J., Jones, D. O., Durden, J. M., Morris, K. J., Cunha, M. R. et al. (2020). Deep-sea sponge aggregations (*Pheronema carpenteri*) in the Porcupine Seabight (NE Atlantic) potentially degraded by demersal fishing. *Prog. Oceanogr.* 183, 102189.
- Walker, T.R., O. Adebambo, M.C. Del Aguila Feijoo, E. Elhaimer, T. Hossain, S.J. Edwards, C.E. Morrison, J. Romo, N. Sharma, S. Taylor, S. Zomorodi. Environmental effects of marine transportation. C. Sheppard (Ed.), 2019. *World Seas: an Environmental Evaluation* (second ed.), Academic Press (2019), 505–530.

- Ware, K. (2009). Assessments of the impacts of shipping on the marine environment. OSPAR Monitoring and Assessment Series.
- Wenger, A. S., Harvey, E., Wilson, S., Rawson, C., Newman, S. J., Clarke, D., et al. (2017). A critical analysis of the direct effects of dredging on fish. *Fish Fish.* 18 (5), 967–985.
- Whitfield, P. E., Gardner, T., Vives, S. P., Gilligan, M. R., Courtenay Jr, W. R., Ray, G. C. and Hare, J. A. (2002). Biological invasion of the Indo-Pacific lionfish *Pterois volitans* along the Atlantic coast of North America. *Mar. Ecol. Prog. Ser.* 235, 289–297.
- Woodall, L. C., Robinson, L. F., Rogers, A. D., Narayanaswamy, B. E. and Paterson, G. L. J. (2015). Deep-sea litter: a comparison of seamounts, banks and a ridge in the Atlantic and Indian Oceans reveals both environmental and anthropogenic factors impact accumulation and composition. *Front. Mar. Sci.* 2. doi:10.3389/fmars.2015.00003.
- Wright, S., Walker, N., Yates, O., Stamford, T. and Darby, C. (2020). Review of St Helena tuna fishery status and management advice. St Helena Government.
- Yaglioglu, D., Deniz, T., Gurlek, M., Erguden, D. and Turan, C. (2015). Elasmobranch bycatch in a bottom trawl fishery in the Iskenderun Bay, northeastern Mediterranean. *Cah. Biol. Mar.* 56, 237–243.
- Zantis, L. J., Carroll, E. L., Nelms, S. E. and Bosker, T. (2021). Marine mammals and microplastics: A systematic review and call for standardisation. *Environ. Pollut.* 269, 116142.