

SHARK SPOTTERS RESEARCH OUTPUTS

PUBLICATIONS:

Kate Sheridan, M. Justin O’Riain, Mark D. Needham, (2021) Recreationist perceptions of lethal and non-lethal management of sharks in two of South Africa’s marine areas, *Marine Policy*, Volume 132, 104633, <https://doi.org/10.1016/j.marpol.2021.104633>.

Engelbrecht, Tamlyn & Kock, Alison & O’Riain, MJ & Mann, B. & Dunlop, Stuart & Barnett, Adam. (2020). Movements and growth rates of the broadnose sevengill shark *Notorynchus cepedianus* in southern Africa: results from a long-term cooperative tagging programme. *African Journal of Marine Science*. 42. 347-359. 10.2989/1814232X.2020.1802776.

Queiroz, N. et al. (2019). Global spatial risk assessment of sharks under the footprint of fisheries. *Nature*, pp. 1-26, doi: 10.1038/s41586-019-1444-4

Pfaff, M.C. et al. (2019). A synthesis of three decades of socio-ecological change in False Bay, South Africa: setting the scene for multidisciplinary research and management. *Elementa-Science of the Anthropocene*, vol. 32, pp. 1-49 doi.org/10.1525/elementa.367

Gennari, E., Kock, A.A., Smale, M.J., Towner, A., Khan, N., Bester, L.A., Johnson, R., Fischer, C., Meÿer, M. and Morse, P. (2019). Antibiotic sensitivity of bacteria isolated from the oral cavities of live white sharks (*Carcharodon carcharias*) in South African waters. *South African Journal of Science*, 115(11/12).

Engelbrecht, T.M., Kock, A.A. and O’Riain, M.J., (2019). Running scared: when predators become prey. *Ecosphere*, 10(1).

Semmens, J.M., Kock, A.A., Watanabe, Y.Y. et al. (2019). Preparing to launch: biologging reveals the dynamics of white shark breaching behaviour. *Marine Biology*. 166: 95. <https://doi.org/10.1007/s00227-019-3542-0>

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Bird, C. S., Veríssimo, A., Magozzi, S., Abrantes, K. G., Aguilar, A., Al-Reasi, H., ... & Bouchoucha, M. (2018). A global perspective on the trophic geography of sharks. *Nature ecology & evolution*, 2(2), 299.

Kock, A.A., Photopoulou, T., Durbach, I., Mauff, K., Meÿer, M., Kotze, D., Griffiths, C.L. and O’Riain, M.J. (2018). Summer at the beach: spatio-temporal patterns of white shark occurrence along the inshore areas of False Bay, South Africa. *Movement ecology*, 6(1), p.7.

Hewitt, A.M., Kock, A.A., Booth, A.J. and Griffiths, C.L., (2018). Trends in sightings and population structure of white sharks, *Carcharodon carcharias*, at Seal Island, False Bay, South Africa, and the emigration of subadult female sharks approaching maturity. *Environmental biology of fishes*, 101(1), pp.39-54.

Engelbrecht, T., Kock, A., Waries, S. and O’Riain, M.J., (2017). Shark spotters: successfully reducing spatial overlap between white sharks (*Carcharodon carcharias*) and recreational water users in False Bay, South Africa. *PLoS one*, 12(9). 8

De Vos, A., Justin O’Riain, M., Meyer, M.A., Kotze, P.G.H. and Kock, A.A., (2015). Behavior of Cape fur seals (*Arctocephalus pusillus pusillus*) in relation to temporal variation in predation risk by white sharks (*Carcharodon carcharias*) around a seal rookery in False Bay, South Africa. *Marine Mammal Science*, 31(3), pp.1118-1131.

De Vos, A., Justin O’Riain, M., Meyer, M.A., Kotze, P.G.H. and Kock, A.A., (2015). Behavior of Cape fur seals (*Arctocephalus pusillus pusillus*) in response to spatial variation in white shark (*Carcharodon carcharias*) predation risk. *Marine Mammal Science*, 31(3), pp.1234-1251.

Kock, A.A., O’Riain, M.J., Redpath, S.M., Gutiérrez, R.J., Wood, K.A. and Young, J.C., (2015). Living with white sharks: non-lethal solutions to shark–human interactions in South Africa. *Conflicts in Conservation: Navigating Towards Solutions*, p.237.

Weltz, K., Kock, A.A., Winker, H., Attwood, C. and Sikweyiya, M., (2013). The influence of environmental variables on the presence of white sharks, *Carcharodon carcharias* at two popular Cape Town bathing beaches: A generalized additive mixed model. *PLoS One*, 8(7).

Huveneers, C., Rogers, P.J., Semmens, J.M., Beckmann, C., Kock, A.A., Page, B. and Goldsworthy, S.D., (2013). Effects of an electric field on white sharks: in situ testing of an electric deterrent. *PLoS one*, 8(5).

Kock, A., O’Riain, M.J., Mauff, K., Meyer, M., Kotze, D. and Griffiths, C., (2013). Residency, habitat use and sexual segregation of white sharks, *Carcharodon carcharias* in False Bay, South Africa. *PLoS one*, 8(1).

Kock, A., Titley, S., Petersen, W., Sikweyiya, M., Tsotsobe, S., Colenbrander, D., Gold, H. and Oelofse, G., (2012). A pioneering shark safety program in cape town, South Africa. *Global Perspectives on the Biology and Life History of the White Shark*, ed. ML Domeier (Boca Raton, FL: CRC Press), pp.447-466.

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Laroche, R.K., Kock, A.A., Dill, L.M. and Oosthuizen, W.H., (2008). Running the gauntlet: a predator–prey game between sharks and two age classes of seals. *Animal Behaviour*, 76(6), pp.1901-1917.

Laroche, R.K., Kock, A.A., Dill, L.M. and Oosthuizen, W.H., (2007). Effects of provisioning ecotourism activity on the behaviour of white sharks *Carcharodon carcharias*. *Marine Ecology Progress Series*, 338, pp.199-209.

Johnson, R. and Kock, A., (2006). South Africa's White Shark cage-diving industry-is their cause for concern. *Finding a balance: White shark conservation and recreational safety in the inshore waters of Cape Town, South Africa*, 3.

Kock, A. and Johnson, R., (2006). White shark abundance: not a causative factor in numbers of shark bite incidents. *Finding a balance: White shark conservation and recreational safety in the inshore waters of Cape Town, South Africa*, pp.1-19.

THESES AND DISSERTATIONS:

Sheridan, K. (2020). *Human Safety and Shark Conservation: An Analysis of Surfer Risk Perceptions and Attitudes towards Shark Management*. (Masters thesis, University of Cape Town).

Van Beuningen, D., (2018). *Environmental predictors of *Carcharodon carcharias* presence at two popular beaches in False Bay, South Africa using acoustic telemetry* (MSc thesis, University of Cape Town).

Loosen, K., (2017). *Predictors of white shark *Carcharodon carcharias* presence at two recreational beaches in a major metropole* (MSc thesis, University of Cape Town).

De Necker, L., (2017). *The trophic dynamics of the broadnose sevengill shark (*Notorynchus cepedianus*) in False Bay, South Africa, using multiple tissue stable isotope analysis* (Masters thesis, University of Cape Town).

Hewitt, A.M., (2014). *Demographics of a seasonal aggregation of white sharks at Seal Island, False Bay, South Africa* (MSc thesis, University of Cape Town).

Kock, A.A., (2014). *Behavioural ecology of white sharks *Carcharodon carcharias* in False Bay, South Africa: towards improved management and conservation of a threatened apex predator* (Doctoral dissertation, University of Cape Town).

Weltz, K., (2012). *The influence of environmental variables on white shark (*carcharodon carcharias*) sightings at False Bay beaches* (MSc thesis, University of Cape Town).

Raw, R.N.V., (2012). *Population structure, site fidelity, and fine-scale habitat use of the broadnose sevengill shark, *Notorynchus cepedianus* at Pyramid rock, False Bay, South Africa* (MSc thesis, University of Cape Town).

[Two PhD's and one MSc currently underway]