

Alastair V Harry

Fisheries Scientist

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1262605

languages

English, Portuguese

nationality

Australia, United Kingdom

Interests

Ecosystem-based fisheries management, applied fisheries science, inshore fisheries, quantitative modelling, data science, statistical analysis, fish population dynamics, reproductive biology, age and growth, eco-labelling, third party fishery certification, shark and ray conservation biology, demographic analysis, reproducible research

Education

PhD Fisheries Science

James Cook University

Thesis awarded 'Cum Laude'

BSc Marine Biology Honours (First Class)

Flinders University

Chancellor's letter of commendation

Research Experience

2018-2019

Department of Primary Industries & Regional Development (Fisheries) Research Scientist L2, *Tropical Marine Parks*

Coordination of studies on the ecology and fisheries biology of Kimberley fishes; fisheries assessment and monitoring

2016-2018

Department of Primary Industries & Regional Development (Fisheries) Research Scientist L2, *Ecosystem Based Fisheries Management*

bycatch and threatened species monitoring; harvest strategy development and coordination; data management and analysis; quantitative assessment

2013-2016

Department of Primary Industries & Regional Development (Fisheries) Research Scientist L1, *Stock Assessment & Data Analysis*

fishery resource assessment coordination; harvest strategy development; quantitative modelling; ecological risk assessment; third-party fishery certification

2011-2013

James Cook University Postdoctoral Research Associate, *Centre for Sustainable Tropical Fisheries & Aquaculture*

applied tropical fisheries science; shark and ray demography; fisheries ecology

2008-2010

James Cook University Technical Assistant, *Centre for Sustainable Tropical Fisheries & Aquaculture*

lab management; processing of biological material

2006-2007

Flinders University Technical Assistant, *Marine Ecology Research Lab*

fieldwork coordination; lab management

Peer-reviewed Publications

- Harry, A. V., Butcher, P. A., Macbeth, W. G., Morgan, J. A. T., Taylor, S. M., & Geraghty, P. T. (2019). Life history of the common blacktip shark, *Carcharhinus limbatus*, from central eastern Australia and comparative demography of a cryptic shark complex. *Marine and Freshwater Research*. <http://doi.org/10.1071/MF18141>
- Barnes, A., Sutaria, D., Harry, A. V., & Jabado, R. W. (2018). Demographics and length and weight relationships of commercially important sharks along the north-western coast of India. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 28(6), 1374–1383. <http://doi.org/10.1002/aqc.2940>
- Harry, A. V. (2018). Evidence for systemic age underestimation in shark and ray ageing studies. *Fish and Fisheries*, 19(2), 185–200. <http://doi.org/10.1111/faf.12243>
- Harry, A. V., Saunders, R. J., Smart, J. J., Yates, P. M., Simpfendorfer, C. A., & Tobin, A. J. (2016). Assessment of a data-limited, multi-species shark fishery in the Great Barrier Reef Marine Park and south-east Queensland. *Fisheries Research*, 177, 104–115. <http://doi.org/10.1016/j.fishres.2015.12.008>
- Bellchambers, L. M., Fisher, E. A., Harry, A. V., & Travaille, K. L. (2016). Identifying and mitigating potential risks for Marine Stewardship Council assessment and certification. *Fisheries Research*, 182, 7–17. <http://doi.org/10.1016/j.fishres.2016.03.006>
- Taylor, S. M., Harry, A. V., & Bennett, M. B. (2016). Living on the edge: Latitudinal variations in the reproductive biology of two coastal species of sharks. *Journal of Fish Biology*, 89(5), 2399–2418. <http://doi.org/10.1111/jfb.13126>
- Fletcher, W., Wise, B., Joll, L., Hall, N., Fisher, E., Harry, A., Fairclough, D., Gaughan, D., Travaille, K., Molony, B., & Kangas, M. (2016). Refinements to harvest strategies to enable effective implementation of Ecosystem Based Fisheries Management for the multi-sector, multi-species fisheries of Western Australia. *Fisheries Research*, 183, 594–608. <http://doi.org/10.1016/j.fishres.2016.04.014>
- Drew, M., White, W. T., Dharmadi, Harry, A. V., & Huveneers, C. (2015). Age, growth and maturity of the pelagic thresher *Alopias pelagicus* and the scalloped hammerhead *Sphyrna lewini*. *Journal of Fish Biology*, 86(1), 333–354. <http://doi.org/10.1111/jfb.12586>
- Tobin, A. J., Mapleston, A., Harry, A. V., & Espinoza, M. (2014). Big fish in shallow water; use of an intertidal surf-zone habitat by large-bodied teleosts and elasmobranchs in tropical northern Australia. *Environmental Biology of Fishes*, 97(7), 821–838. <http://doi.org/10.1007/s10641-013-0182-y>
- Geraghty, P. T., Macbeth, W. G., Harry, A. V., Bell, J. E., Yerman, M. N., & Williamson, J. E. (2013a). Age and growth parameters for three heavily exploited shark species off temperate eastern Australia. *ICES Journal of Marine Science: Journal Du Conseil*, fst164. <http://doi.org/10.1093/icesjms/fst164>
- Harry, A. V., Tobin, A. J., & Simpfendorfer, C. A. (2013). Age, growth and reproductive biology of the spot-tail shark, *Carcharhinus sorrah*, and the Australian blacktip shark, *Carcharhinus tilstoni*, from the Great Barrier Reef World Heritage Area, north-eastern Australia. *Marine and Freshwater Research*, 64, 277–293. <http://doi.org/10.1071/MF12142>
- Smart, J. J., Harry, A. V., Tobin, A. J., & Simpfendorfer, C. A. (2013). Overcoming the constraints of low sample sizes to produce age and growth data for rare or threatened sharks. *Aquatic Conservation*, 23, 124–134. <http://doi.org/10.1002/Aqc.2274>
- Geraghty, P. T., Williamson, J. E., Macbeth, W. G., Wintner, S. P., Harry, A. V., Ovenden, J. R., & Gillings, M. R. (2013b). Population Expansion and Genetic Structure in *Carcharhinus brevipinna* in the Southern Indo-Pacific. *PLoS ONE*, 8, e75169. <http://doi.org/10.1371/journal.pone.0075169>
- Harry, A. V., Morgan, J. A. T., Ovenden, J. R., Tobin, A. J., Welch, D. J., & Simpfendorfer, C. A. (2012). Comparison of the reproductive ecology of two sympatric blacktip sharks (*Carcharhinus limbatus* and *Carcharhinus tilstoni*) off north-eastern Australia with species identification inferred from vertebral counts. *Journal of Fish Biology*. <http://doi.org/10.1111/j.1095-8649.2012.03400.x>
- Morgan, J. A., Harry, A. V., Welch, D. J., Street, R., White, J., Geraghty, P. T., Macbeth, W. G., Tobin, A., Simpfendorfer,

C. A., & Ovenden, J. R. (2012). Detection of interspecies hybridisation in Chondrichthyes: Hybrids and hybrid offspring between Australian (*Carcharhinus tilstoni*) and common (*C. limbatus*) blacktip shark found in an Australian fishery. *Conservation Genetics*, 13, 455–463. <http://doi.org/10.1007/s10592-011-0298-6>

Morgan, J. A. T., Welch, D. J., Harry, A. V., Street, R., Broderick, D., & Ovenden, J. R. (2011). A mitochondrial species identification assay for Australian blacktip sharks (*Carcharhinus tilstoni*, *C. limbatus* and *C. amblyrhynchoides*) using real-time PCR and high-resolution melt analysis. *Molecular Ecology Resources*, 11, 813–819. <http://doi.org/10.1111/j.1755-0998.2011.03023.x>

Harry, A. V., Tobin, A. J., Simpfendorfer, C. A., Welch, D. J., Mapleston, A., White, J., Williams, A. J., & Stapley, J. (2011). Evaluating catch and mitigating risk in a multi-species, tropical, inshore shark fishery within the Great Barrier Reef World Heritage Area. *Marine and Freshwater Research*, 62, 710–721. <http://doi.org/10.1071/MF10155>

Harry, A. V., Macbeth, W. G., Gutteridge, A. N., & Simpfendorfer, C. A. (2011). The life histories of endangered hammerhead sharks (Carcharhiniformes, Sphyrnidae) from the east coast of Australia. *Journal of Fish Biology*, 78, 2026–2051. <http://doi.org/10.1111/j.1095-8649.2011.02992.x>

Harry, A. V., Simpfendorfer, C. A., & Tobin, A. J. (2010). Improving age, growth, and maturity estimates for aseasonally reproducing chondrichthyans. *Fisheries Research*, 106, 393–403. <http://doi.org/10.1016/j.fishres.2010.09.010>

Technical Reports

Braccini, M., McAuley, R., & Harry, A. (2017) Spatial and temporal dynamics of Western Australia's commercially important sharks. FRDC Project No 2010/003. Department of Fisheries Western Australia, 160pp. http://www.fish.wa.gov.au/Documents/research_reports/frr282.pdf

Hart, A., Travaille, K. L., Jones, R., Brand-Gardner, S., Webster, F., Irving, A., & Harry, A. V. (2016) Western Australian Silver-lipped Pearl Oyster (*Pinctada maxima*) Industry. Western Australian Marine Stewardship Council Report Series No 5. Department of Fisheries Western Australia. http://www.fish.wa.gov.au/Documents/wamsc_reports/wamsc_report_no_5.pdf

How, J. R., Webster, F. J., Travaille, K. L., Nardi, K., & Harry, A. V. (2015) West Coast Deep Sea Crustacean Managed Fishery. Western Australian Marine Stewardship Council Report Series No. 4. Department of Fisheries Western Australia. http://www.fish.wa.gov.au/Documents/wamsc_reports/wamsc_report_no_4.pdf

Kangas, M. I., Sporer, E. C., Hesp, S. A., Travaille, K. L., Brand-Gardner, S. J., Cavalli, P., & Harry, A. V. (2015) Shark Bay Prawn Managed Fishery. Western Australian Marine Stewardship Report Series No. 2. Department of Fisheries Western Australia. http://www.fish.wa.gov.au/Documents/wamsc_reports/wamsc_report_no_2.pdf

Tobin, A., Harry, A., Smart, J., Saunders, R., & Simpfendorfer, C. (2014) Estimating fishing mortality of major target species and species of conservation concern in the Queensland east coast shark fishery. Fisheries Research and Development Corporation, 2010/006. http://frdc.com.au/research/Final_reports/2010-006-DLD.pdf

Welch, D. J., Saunders, T., Robins, J., Harry, A., Johnson, J., Maynard, J., Saunders, R., Pecl, G., Sawnyok, W., & Tobin, A. (2014) Implications of climate change impacts on fisheries resources of northern Australia. Part 1: Vulnerability assessment and adaptation options. Fisheries Research and Development Corporation, 2010/565. <http://ecite.utas.edu.au/92622>

Welch, D. J., Ovenden, J., Simpfendorfer, C. A., Tobin, A. J., Morgan, J. A. T., Street, R., White, J., Harry, A. V., Schroeder, R., & Macbeth, W. G. (2011). Stock structure of exploited shark species in north-eastern Australia. Report to the Fisheries Research & Development Corporation, Project 2007/035. Fishing & Fisheries Research Centre Technical Report No. 12. <http://eprints.jcu.edu.au/20808/>

Tobin, A. J., Simpfendorfer, C. A., Mapleston, A., Curry, L., Harry, A. V., Welch, D. J., Ballagh, A. C., Chin, A., Szczecin-ski, N., Schlaff, A. & White, J. (2010). A quantitative ecological risk assessment of sharks and finfish of Great Barrier Reef World Heritage Area inshore waters: A tool for fisheries and marine park managers identifying species at risk and potential mitigation strategies. Cairns: Marine and Tropical Scientific Research Facility 44pp.

Other Publications

Simpfendorfer, C. A., McAuley, R. B., & Harry, A. V. (2016) *Furgaleus macki*. The IUCN Red List of Threatened Species 2016: e.T39351A68623545. <http://dx.doi.org/10.2305/IUCN.UK.2016-1.RLTS.T39351A68623545.en>

Rigby, C., & Harry, A. V. (2015) *Sinobatis filicauda*. The IUCN Red List of Threatened Species 2015: e.T195479A68643584. <http://dx.doi.org/10.2305/IUCN.UK.2015-4.RLTS.T195479A68643584.en>

Harry, A. V. (2012) Oceanic Whitetip Shark. In Queensland's Threatened Animals. (Eds L. K. Curtis, A. J. Dennis, K. R. McDonald, P. M. Kyne, and S. J. S. Debus) CSIRO Publishing, Melbourne. 74-76

Harry, A. V. (2011). The life histories of commercially important tropical sharks from the Great Barrier Reef World Heritage Area. School of Earth & Environmental Sciences, Townsville: James Cook University. PhD Thesis. 218pp. <http://eprints.jcu.edu.au/20775/>

Scientific Peer Review

I regularly review for a range of scientific journals including the Journal of Fish Biology, Marine and Freshwater Research, Fisheries Research, Marine Ecology Progress Series. I have also provided numerous scientific reviews of documents for the Convention on International Trade in Endangered Species (CITES), the TRAFFIC Wildlife Trade Monitoring Network, and the US National Oceanic and Atmospheric Administration (NOAA).

Publons account: <https://publons.com/a/1262605/>