

BOOKS

1. DeSalle, R. and **M. R. Heithaus**. 2008. *Biology*. Holt, Reinhart, and Winston. Austin, TX.
2. Carrier, J. C., J. Musick, and **M. R. Heithaus** (eds). 2004. *The biology of sharks and their relatives*. CRC Press, Boca Raton.
3. Carrier, J. C., J. Musick, and M. R. Heithaus (eds.). *in press*. *Sharks and Their Relatives II: Biodiversity, adaptive physiology, and conservation*. CRC Press, Boca Raton

JOURNAL PUBLICATIONS

52. Wirsing, A. J. and **M. R. Heithaus**. 2009. The measure of danger: olive-headed sea snakes (*Disteria major*) shift seagrass microhabitats to avoid predators. *Marine Ecology Progress Series* 387: 287-293.
51. **Heithaus, M. R.**, B. Delius, A. J. Wirsing, and M. M. Dunphy-Daly. 2009. Physical factors influencing the distribution of a top predator in a subtropical oligotrophic estuary. *Limnology and Oceanography* 54: 472-482.
50. **Heithaus, M. R.**, A. J. Wirsing, D. Burkholder, J. Thomson, and L. M. Dill. 2009. Towards a predictive framework for predator risk effects: the interaction of landscape features and prey escape tactics. *Journal of Animal Ecology* 78: 556-562
49. Thomson, J. A., D. Burkholder, **M. R. Heithaus**, and L. M. Dill. 2009. Validation of a rapid visual-assessment technique for categorizing the body condition of green sea turtles (*Chelonia mydas*) in the field. *Copeia* 2009: 251-255.
48. Mann, J. B. L. Sargeant, J. J. Watson-Capps, Q. A. Gibson, **M.R. Heithaus**, R. C. Connor, and E Patterson. 2008. Why do dolphins carry sponges? *PloS One* 3: e3868. Doi:10.1371/journal.pone.0003868
47. **Heithaus, M. R.**, A. Frid, A. J. Wirsing, and B. Worm. 2008. Predicting ecological consequences of marine top predator declines. *Trends in Ecology and Evolution* 23: 202-210
46. **Heithaus, M. R.**, A. J. Wirsing, J. Thompson, and D. Burkholder. 2008. A review of lethal and non-lethal effects of predators on adult marine turtles. *Journal of Experimental Marine Biology and Ecology* 356: 43-51.
45. **Heithaus, M. R.**, A. J. Wirsing, A. Frid, and L. M. Dill. 2007. Species interactions and marine conservation: lessons from an undisturbed ecosystem. *Israel Journal of Ecology and Evolution* 53: 355-370
44. Kerford, M., A. J. Wirsing, **M. R. Heithaus** and L. M. Dill. 2008. Danger on the rise: Habitat use by bar-bellied sea snakes in Shark Bay, Western Australia. *Marine Ecology Progress Series* 358: 289-294.
43. Wirsing, A. J., **M. R. Heithaus**, A. Frid, and L. M. Dill. 2008. Seascapes of fear: methods for evaluating sublethal predator effects experienced and generated by marine mammals. *MaMarine Mammal Science* 24: 1-15
42. Dunphy-Daly, M. M., **M. R. Heithaus**, and D. E. Claridge. 2008. Temporal variation in dwarf sperm whale (*Kogia sima*) habitat use and group size off Great Abaco Island, Bahamas. *Marine Mammal Science* 24: 171-182
41. Wirsing, A. J., **M. R. Heithaus**, and R. Abernathy. 2008. Differences in escape abilities do not explain sex differences in predator-inflicted injury rates of loggerhead turtles. *Journal of Herpetology* 42: 411-413
40. Marshall, G., M. Bakhtiari, M. Shepard, B. Jolliff, D. Rasch, K. Abernathy, J. Tweedy III, J.

- C. Carrier, and **M. R. Heithaus**. 2007. An advanced solid-state animal-borne video and environmental data-logging device ("Cittercam") for marine research. *MTS Journal* 41: 31-38.
39. **Heithaus, M. R.**, D. Burkholder, R. E. Hueter, L. I. Heithaus, H. W. Pratt Jr, and J. C. Carrier. 2007. Spatial and temporal variation in shark communities of the lower Florida Keys and evidence for historical population declines. *Canadian Journal of Fisheries and Aquatic Sciences* 64: 1302-1313.
 38. Wirsing, A. J., **M. R. Heithaus**, and L. M. Dill. 2007. Fear factor: Do dugongs (*Dugong dugon*) trade food for safety from tiger sharks (*Galeocerdo cuvier*)? *Oecologia* 153: 1031-1040.
 37. Wirsing, A. J., **M. R. Heithaus**, and L. M. Dill. 2007. Can measures of prey availability improve our ability to predict the abundance of large marine predators? *Oecologia* 153: 563-568.
 36. **Heithaus, M. R.**, A. Fird, A. J. Wirsing, L. M. Dill, J. Fourqurean, D. Burkholder, J. Thomson, and L. Bejder. 2007. State-dependent risk-taking by green sea turtles mediates top-down effects of tiger shark intimidation in a marine ecosystem. *Journal of Animal Ecology* 76: 837-844.
 35. Wirsing, A. J., **M. R. Heithaus**, and L. M. Dill. 2007. Can you dig it? Use of excavation, a risky foraging tactic, by dugongs is sensitive to predation danger. *Animal Behavior* 74: 1085-1091
 34. Wirsing, A. J., **M. R. Heithaus**, and L. M. Dill. 2007. Living on the edge: dugongs prefer foraging microhabitats that allow escape rather than avoidance of predators. *Animal Behaviour* 74: 93-101.
 33. **Heithaus, M. R.**, A. J. Wirsing, and L. M. Dill. 2007. Long-term movements of tiger sharks satellite-tagged in Shark Bay, Western Australia. *Marine Biology* 151: 1455-1461.
 32. Frid, A., **M. R. Heithaus**, and L. M. Dill. 2007. Dangerous dive cycles and the proverbial ostrich. *Oikos* 116: 893-902.
 31. Sergeant, B. L., A. J. Wirsing, **M. R. Heithaus**, and J. Mann. 2007. Does environmental heterogeneity drive foraging variation in wild dolphins (*Tursiops* sp.)? *Behavioral Ecology and Sociobiology* 61: 679-688.
 30. Bejder, L., H. Whitehead, A. Samuels, J. Mann, R. Connor, N Gales, **M. Heithaus**, J. Watson-Capps, C. Flaherty, and M. Krutzen. 2006. Detrimental effects of cumulative, long-term exposure to vessel activity on habitat use of Indo-Pacific bottlenose dolphins. *Conservation Biology* 20: 1791-1798.
 29. **Heithaus, M. R.**, I. M. Hamilton, A. J. Wirsing, and L. M. Dill. 2006. Validation of a randomization procedure to assess animal habitat preferences: microhabitat use of tiger sharks in a seagrass ecosystem. *Journal of Animal Ecology* 75: 666-676.
 28. **Heithaus, M. R.** and L. M. Dill. 2006. Does tiger shark predation risk influence foraging habitat use by bottlenose dolphins at multiple spatial scales? *Oikos* 114:257-264.
 27. Torres, L. G., **M. R. Heithaus** and B. K. Delius. 2006. Influence of teleost abundance on the distribution and abundance of sharks in Florida Bay, USA. *Hydrobiologia* 569: 449-455.
 26. Wirsing, A. J., **M. R. Heithaus**, and L. M. Dill. 2006. Tiger shark (*Galeocerdo cuvier*) abundance and growth rates in a subtropical embayment: evidence from seven years of standardized fishing effort. *Marine Biology* 4: 961-968.
 25. Krützen, M, J. Mann, **M. R. Heithaus**, R. C. Connor, L. Bejder, and W. B. Sherwin. 2005.

- Cultural transmission of tool use in bottlenose dolphins. *Proceedings of the National Academy of Sciences* 102: 8939-8943.
24. **Heithaus, M. R.** 2005. Habitat use and group size of pied cormorants (*Phalacrocorax varius*) in a seagrass ecosystem: possible effects of food abundance and predation risk. *Marine Biology* 147: 27-35.
 23. **Heithaus, M. R.**, A. Frid, A. Wirsing, L. Bejder, and L. M. Dill. 2005. The biology of green and loggerhead turtles under risk from tiger sharks at a foraging ground. *Marine Ecology Progress Series* 288: 285-294.
 22. Parrish, F. A., G. J. Marshall, C. L. Littnan, **M. R. Heithaus**, S. Canja, B. Becker, R. Braun, and G. A. Antonelis. 2005. Foraging of juvenile monk seals at French Frigate Shoals, Hawaii. *Marine Mammal Science* 21: 93-107.
 21. **Heithaus, M. R.** 2004. Fish communities of seagrass meadows and associated habitats in Shark Bay, Western Australia. *Bulletin of Marine Science* 75: 79-99.
 20. **Heithaus, M. R.** and A. Frid. 2003. Optimal diving under the risk of predation. *Journal of Theoretical Biology* 223: 79-93.
 19. Dill, L. M., **M. R. Heithaus**, and C. J. Walters. 2003. Behaviorally-mediated indirect interactions in marine communities and their conservation and implications. *Ecology* 84: 1151-1157.
 18. **Heithaus, M. R.** and L. M. Dill. 2002. Food availability and tiger shark predation risk influence bottlenose dolphin habitat use. *Ecology* 83: 480-491.
 17. **Heithaus, M. R.**, L. M. Dill, G. J. Marshall, and B. Buhleier. 2002. Habitat use and foraging behavior of tiger sharks (*Galeocerdo cuvier*) in a seagrass ecosystem. *Marine Biology* 140: 237-248.
 16. **Heithaus, M. R.**, A. Frid, and L. M. Dill. 2002. Species and sex-class differences in shark-inflicted injury frequencies, escape ability, and habitat use of green and loggerhead turtles. *Marine Biology* 140: 229-236.
 15. **Heithaus, M. R.**, J. M. McLash, A. Frid, L. M. Dill, and G. J. Marshall. 2002. Novel insights into the behavior of sea turtles from animal-borne cameras. *Journal of the Marine Biological Association UK* 82: 1049-1050.
 14. Krützen, M., L. M. Barre, L. M. Moller, **M. R. Heithaus**, C. Simms, and W. B. Sherwin. 2002. A biopsy system for small cetaceans: darting success and wound healing in *Tursiops* spp. *Marine Mammal Science* 18: 863-878.
 13. **Heithaus, M. R.** 2001. Habitat selection by predators and prey in communities with asymmetrical intraguild predation. *Oikos* 92: 542-554.
 12. **Heithaus, M. R.** 2001. Shark attacks on bottlenose dolphins (*Tursiops aduncus*) in Shark Bay, Western Australia: attack rate, bite scar frequencies, and attack seasonality. *Marine Mammal Science* 17: 526-539.
 11. **Heithaus, M. R.** 2001. The biology of tiger sharks (*Galeocerdo cuvier*) in Shark Bay, Western Australia: sex ratio, size distribution, diet, and seasonal changes in catch rates. *Environmental Biology of Fishes* 61: 25-36.
 10. **Heithaus, M. R.** 2001. Predator-prey and competitive interactions between sharks (order Selachii) and dolphins (suborder Odontoceti): a review. *Journal of Zoology (London)* 253:53-68.
 9. **Heithaus, M. R.**, G. J. Marshall, B. M. Buhleier, and L. M. Dill. 2001. Employing Crittercam to study habitat use and behavior of large sharks. *Marine Ecology Progress Series* 209: 307-310.

8. Hamilton, I. M. and **M. R. Heithaus**. 2001. The effect of temporal variation in predation risk on anti-predator behaviour: an empirical test with marine snails. *Proceedings of the Royal Society of London B* 268:2585-2588.
7. Connor, R. C., **M. R. Heithaus**, and L. M. Barre. 2001. Complex social structure, alliance stability, and mating access in a bottlenose dolphin 'super-alliance.' *Proceedings of the Royal Society of London B* 268:263-267.
6. Connor, R. C., **M. R. Heithaus**, P. Berggren, and J. L. Miksis. 2000. "Kerplunking": surface fluke- slaps during shallow water foraging by bottlenose dolphins. *Marine Mammal Science* 16: 646-653.
5. Mann, J., R. C. Connor, L. M. Barre, and **M. R. Heithaus**. 2000. Female reproductive success in bottlenose dolphins (*Tursiops* sp.): life history, habitat, provisioning, and group-size effects. *Behavioral Ecology* 11: 210-219.
4. Connor, R. C., **M. R. Heithaus**, and L. M. Barre. 1999. Superalliance of bottlenose dolphins. *Nature* 397: 571-572.
3. **Heithaus, M. R.** and C. Gramme. 1998. Fish communities of the Vermilion River: differentiation between tributaries and the main channel. *Ohio Journal of Science* 98: 98-102. *Finalist for paper of the year, Ohio Academy of Science*
2. **Heithaus, M. R.** and R. H. Laushman. 1997. Genetic variation and conservation of stream fishes: influence of ecology, life history, and water quality. *Canadian Journal of Fisheries and Aquatic Sciences* 54: 1822-1836.
1. Connor, R. C. and **M. R. Heithaus**. 1996. Great white shark approach elicits flight response in bottlenose dolphins. *Marine Mammal Science* 12: 602-606.

CHAPTERS IN BOOKS

6. Frid, A. and **M. R. Heithaus**. In press. Antipredator behavior and conservation.
5. **Heithaus, M. R.**, A. Frid, J. Vaudo, B. Worm, and A. J. Wirsing. in press. Unraveling the ecological importance of elasmobranchs. *In* Carrier, J. C., J. Musick, M. R Heithaus (eds.) *Sharks and Their Relatives II: Biodiversity, adaptive physiology, and conservation*. CRC Press pp
4. **Heithaus, M. R.** and L. M. Dill. 2009. Feeding Tactics and Strategies. *In* Perrin, W. F., B. Würsig, and H. G. M. Thewissen (eds.). *The Encyclopedia of Marine Mammals*, Second Edition. Academic Press. pp 414-423
3. **Heithaus, M. R.** 2007. Nursery areas as essential shark habitat: a theoretical perspective. *In* McCandless, C. T., N. E. Kohler, H. L. Pratt Jr. (eds.) *Shark Nursery Grounds of the Gulf of Mexico and the East Coast Waters of the United States*. American Fisheries Society Symposium 50: 3-13.
2. **Heithaus, M. R.** 2004. Predator-prey interactions. Pages 487-521 *In* Carrier, J. C., J. Musick, M. R Heithaus (eds.) *The Biology of Sharks and Their Relatives*. CRC Press.
1. **Heithaus, M. R.** and L. M. Dill. 2002. Feeding Tactics and Strategies. Pages 412-422 *in* Perrin, W. F., B. Würsig, and H. G. M. Thewissen (eds.). *The Encyclopedia of Marine Mammals*. Academic Press.