

## Timothy B. Werner

Anderson Cabot Center for Ocean Life, New England Aquarium, Central Wharf, Boston, MA 02110-3399

Email: [twerner@neaq.org](mailto:twerner@neaq.org); Tel. 617-226-2137

### EMPLOYMENT

NEW ENGLAND AQUARIUM, Boston, MA

FEBRUARY 2005 – PRESENT

Senior Scientist

Director of the Consortium for Wildlife Bycatch Reduction

CONSERVATION INTERNATIONAL, Washington, D.C.

JULY 1989 – MAY 2004

Senior Director, Global Marine Program (2002-2004)

Director, Coastal Marine Conservation Program (1997-2001)

Director, Melanesia Program (1989-1996)

WORLD WILDLIFE FUND, Washington, D.C.

MAY 1987 – JUNE 1989

Research Associate, Science Program

### EDUCATION

- Boston University - PhD, Biology (2018)
- Stanford University, Graduate School of Business - MS, Management (2001)
- University of Maryland - MS, Marine Zoology (1997)
- Boston University - BA (*cum laude*), History (1985)

### APPOINTMENTS

Fisheries Scientist, US Pelagic Longline Take Reduction Team (2012-present)

Research Faculty, School for the Environment, UMASS-Boston

### REPRESENTATIVE PUBLICATIONS

Knowlton, A.R., Robbins, J., Landry, S., McKenna, H.A., Kraus, S.D., and **T.B. Werner**. 2015.

Implications of fishing rope strength on the severity of large whale entanglements.

*Conservation Biology*, 30(2):318-328.

**Werner, T.B.**, S. Northridge, K.M. Press, and N. Young. 2015. Mitigating bycatch and depredation of marine mammals in longline fisheries. *ICES Journal of Marine Science* 72 (5): 1576-1586.

Jordan, J., J. Mandelman, D. McComb, S. Fordham, J. Carlson, and **T.B. Werner**. 2013. Linking sensory biology and fisheries bycatch reduction in elasmobranch fishes: A review with new directions for research. *Conservation Physiology* 1: doi: 10.1093/conphys/cot002

Bordino P., A.I. Mackay, **T.B. Werner**, S.P. Northridge, and A.J. Read. 2013. Franciscana bycatch is not reduced by acoustically reflective or physically stiffened gillnets. *Endangered Species Research* 21:1-12.

Reeves R.R., K. McClellan, and **T.B. Werner**. 2013. Marine mammal bycatch in gillnet and other entangling net fisheries, 1990-2011. *Endangered Species Research* 20:71-97.

- Žydelis, R., B.P. Wallace, E.L. Gilman, and **T.B. Werner**. 2009. Conservation of marine megafauna requires avoiding and minimizing fisheries bycatch. *Conservation Biology* 23(3):608-616.
- Werner, T.**, S. Kraus, A. Read, and E. Zollett. 2006. Fishing techniques to reduce the bycatch of threatened marine animals. *Marine Technology Society Journal* 40(3):50-68.
- Allen, G.R. and **T.B. Werner**. 2002. Coral reef fish assessment in the 'coral triangle' of southeastern Asia. *Environmental Biology of Fishes* 65:209-214.
- Roberts, C., C.J. Mclean, J.E.N. Veron, J. P. Hawkins. G.R. Allen, D.E. McAllister, C.G. Mittermeier, F.W. Schueler, M. Spalding, F. Wells, C. Vynne, and **T.B. Werner**. 2002. Marine biodiversity hotspots and conservation priorities for tropical reefs. *Science* 295:1280-1284.
- Werner, T.B.**, L.P. Pinto, G.F. Dutra and P.G. do Prado Pereira. 2000. Abrolhos 2000: Conserving the southern Atlantic's richest coastal biodiversity into the next century. *Coastal Management* 28:99-108.
- Werner, T.B.** and G.R. Allen (eds.). 2000. A Rapid Marine Biodiversity Assessment of the Calamianes Islands, Palawan Province, Philippines. Conservation International, Washington, DC.
- Werner, T.B.** and G.R. Allen (eds.). 1998. A rapid biodiversity assessment of the coral reefs of Milne Bay Province, Papua New Guinea. RAP Working Papers 11, Conservation International, Washington, D.C.
- Mittermeier, R.A., **T.B. Werner** and A. Lees. 1996. New Caledonia - a conservation imperative for an ancient land. *Oryx* 30(2):104-112.
- Babcock, R.C. and **T.B. Werner**. 1994. Coral reef benthic communities. Pp. 36-67 in: R. Babcock (ed.), Marine Resources of Rennell Island and Indispensable Reefs: Results of a Rapid Ecological Assessment. Leigh Marine Laboratory, University of Auckland, New Zealand.
- McNeely, J.A., K.A. Miller, W. Reid, R.A. Mittermeier and **T.B. Werner**. 1990. Conserving the World's Biological Diversity. (Conservation International, International Union for the Conservation of Nature, World Wildlife Fund, World Resources Institute, The World Bank), 193 pp.

#### **RESEARCH GRANTS (since 2009)**

- NOAA - Development of FAO Guidelines and Capacity-Building for Reducing Marine Mammal Lethality in Commercial Fishing and Aquaculture Operations, \$253,140 (2017); Principal Investigator (PI)
- Office of Energy & Environmental Affairs, Commonwealth of MA - Development / Evaluation of Reduced Breaking Strength Ropes to Reduce Large Whale Entanglement Severity 2016-17 (Co-PI), \$108,000 (2016); Co-PI
- NOAA - Global Assessment of Large Whale Entanglement and Bycatch Reduction in Fixed Fishing Gear, \$100,000 (2015); PI
- NOAA - Field testing an electric decoy for reducing elasmobranch bycatch in longline fisheries, \$113,419 (2015); PI
- Korein Foundation - Sustaining Fisheries and Marine Biodiversity in Samborombón Bay, \$40,000 (2015); PI

- NOAA - Evaluation of Acoustic Deterrents for Reducing Cetacean Bycatch Fisheries, \$107,350 (2013); PI
- NOAA - Assessment of Priority Targets for Marine Mammal Bycatch Reduction in Asia and South America, \$105,952 (2013); PI
- Korein Foundation - Evaluating fishing pots as an alternative fishing gear to gillnets in Bahia Samborombon, Argentina; and Feasibility of Using Pingers in an Artisanal Fishery of Northern Argentina, \$40,000 (2013); PI
- Korein Foundation - A Science-Industry Collaborative Research Project to Reduce Bycatch of the Franciscana Dolphin, \$40,000 (2012); PI
- NOAA - An International Workshop to Assess Techniques for Reducing Bycatch of Marine Mammals in Longline Fisheries, \$73,425 (2012); PI
- Korein Foundation - Reducing Bycatch of Endangered Marine Mammals, \$40,000 (2011); PI
- NOAA - Consortium for Wildlife Bycatch Reduction Fisheries, \$1,240,183 (2010-2013); PI
- NOAA - International Coastal Gillnet Bycatch (Marine Mammal) Mitigation Workshops Fisheries (Co-PI), \$45,000 (2010); Co-PI
- Lenfest Ocean Program - Evaluate alternative gillnets in Brazil and Argentina, \$325,000 (2009); PI

#### **AWARDS/SCHOLARSHIPS**

- 2013 Katerva Award in Ecosystem Conservation
- David and Lucile Packard Foundation Scholarship (2000-2001) - Stanford University's Graduate School of Business

#### **CERTIFICATIONS**

- NAUI Scuba Diver (1983), with more than 500 hours of scientific and recreational diving in South and Central America, the Caribbean, Southeast Asia, the South Pacific, the eastern Pacific, the Indian Ocean, and the US
- NAUI Dry Suit Diver (2011)

#### **LANGUAGES**

Fluent in Portuguese, Spanish, and Melanesian Pidgin.