



Recent Publications

Additional Resources

Credits

Recent Publications

The following publications result directly from our research initiatives or from collaborations in which we actively participate.

Blank, J., Farwell, C., Morrissette, J., Schallert, R. and Block, B. 2007. Influence of swimming speed on metabolic rates of juvenile Pacific bluefin tuna and yellowfin tuna. *Physiological and Biochemical Zoology* 80:167-177.

Blank, J.M., Morrissette, J.M., Farwell, C.J., Price, M.C., Schallert, R.J. and Block, B.A. 2007. Temperature effects on metabolic rate of juvenile Pacific bluefin tuna, *Thunnus orientalis*. *Journal of Experimental Biology* 210:4254-4261.

Block, B.A., Teo, S.L.H., Walli, A., Boustany, A., Stokesbury, M.J.W., Farwell, C.F., Weng, K.C., Dewar, H. and Williams, T.D. 2005. Electronic tagging and population structure of Atlantic bluefin tuna. *Nature* 434:1121-1127.

Bodkin, J.L., Monson, D.H. and Esslinger, G.G. 2007. Activity budgets derived from time-depth recorders in a diving mammal. *Journal of Wildlife Management* 71(6):2034-2044.

Boustany, A.M., Reeb, C.A. and Block, B.A. 2008. Mitochondrial DNA and electronic tagging reveal population structure of Atlantic bluefin tuna (*Thunnus thynnus*). *Marine Biology* 156:13-24.

Di Maio, A. and Block, B.A. 2008. Ultrastructure of the sarcoplasmic reticulum in cardiac myocytes from Pacific bluefin tuna. *Cell and Tissue Research* 334(1):121-134.

Ferry-Graham, L.A., Drazen, J.C. and Franklin, V. 2007. Laboratory observations of reproduction in the deep-water zoarcids *Lycodes cortezianus* and *Lycodapus mandibularis* (Teleostei: Zoarcidae). *Pacific Science* 61(1):129-139.

Flammang, B.E., Ebert, D.A. and Cailliet, G.M. 2008. Reproductive biology of deep-sea catsharks (Chondrichthyes: Scyliorhinidae) in the eastern North Pacific. *Environmental Biology of Fishes* 81:35-49.

Flammang, B.E., Ebert, D.A. and Cailliet, G.M. 2007. Egg cases of the genus *Apristurus* (Chondrichthyes: Scyliorhinidae): phylogenetic and ecological implications. *Zoology* 110:308-317.

James, D.W., Foster, M.S. and O'Sullivan, J.B. 2006. Bryoliths (Bryozoa) in the Gulf of California. *Pacific Science* 60(11):117-124.

Jessup, D.A., Miller, M.A., Kreuder-Johnson, C., Conrad, P.A., Tinker, M.T., Estes, J. and Mazet, J.A.K. 2007. Sea otters in a dirty ocean. *Journal of the American Veterinary Medical Association* 231(11):1648-1652.

Kitigawa, T., Boustany, A., Farwell, C., Williams, T., Castleton, M. and Block, B.A. 2007. Horizontal and vertical movements of juvenile bluefin tuna (*Thunnus orientalis*), in relation to seasons and oceanographic conditions in the eastern Pacific Ocean. *Fisheries Oceanography* 16(5):409-421.

Levin, M., Leibrecht, H., Mori, C., Jessup, D. and De Guise, S. 2007. Immunomodulatory effects of organochlorine mixtures upon *in vitro* exposure of peripheral blood leukocytes differ between free-ranging and captive southern sea otters (*Enhydra lutris*). *Veterinary Immunology and Immunopathology* 119(3-4):269-277.

Miller, M.A. 2007. Tissue cyst-forming coccidia of marine mammals. In: M.E. Fowler and R.E. Miller (Eds.), *Zoo and Wild Animal Medicine Current Therapy, 6th edition*. Elsevier, St Louis, MO.

Miller, M.A., Grigg, M.E., Kreuder, C., James, E.R., Melli, A.C., Crosbie, P.R., Jessup, D.A., Boothroyd, J.C., Brownstein, D. and Conrad, P.A. 2004. An unusual genotype of *Toxoplasma gondii* is common in California sea otters (*Enhydra lutris nereis*) and is a cause of mortality. *International Journal for Parasitology* 34(3):275-284.

Miller, M., Conrad, P., James, E.R., Packham, A., Toy-Choutka, S., Murray, M., Jessup, D. and Grigg, M. 2008. Transplacental toxoplasmosis in a wild southern sea otter (*Enhydra lutris nereis*). *Veterinary Parasitology* 153(1-2):12-18.

Nicholson, T.E., Mayer, K.A., Staedler, M.M. and Johnson, A.B. 2007. Effects of rearing methods on survival of released free-ranging juvenile southern sea otters. *Biological Conservation* 138(3-4):313-320.

Rooker, J.R., Secor, D.H., DeMetrio, G., Schloesser, R., Block, B.A. and Neilson, J.D. 2008. Natal homing and population structure in Atlantic bluefin tuna. *Science* 322:742-744.

Rooker, J.R., Alvarado Bremer, J.R., Block, B.A., Dewar, H., DeMetrio, G., Corriero, A., Kraus,

R.T., Prince, E.D., Rodríguez-Marín, E. and Secor, D.H. 2007. Life history and stock structure of Atlantic bluefin tuna (*Thunnus thynnus*). *Reviews in Fisheries Science* 15:265-310.

Schaefer, K.M., Fuller, D.W. and Block, B.A. 2007. Movements, behavior, and habitat utilization of yellowfin tuna (*Thunnus albacares*) in the northeastern Pacific Ocean, ascertained through archival tag data. *Marine Biology* 152:503-525.

Staaf, D.J., Camarillo-Coop, S., Haddock, S.H.D., Nyack, A.C., Payne, J., Salinas-Zavala, C.A., Seibel, B.A., Trueblood, L., Widmer, C. and Gilly, W.F. 2008. Humboldt squid (*Dosidicus gigas*) in the Gulf of California and characteristics of hatchlings and paralarvae. *Journal of the Marine Biological Association of the United Kingdom* 88(4):759-770.

Stokesbury, M.J.W., Cosgrove, R., Boustany, A., Browne, D., Teo, S.L.H., O'Dor, R.K. and Block, B.A. 2007. Results of satellite tagging of Atlantic bluefin tuna, *Thunnus thynnus*, off the coast of Ireland. *Hydrobiologia* 582(1):91-97.

Teo, S.L.H., Boustany, A., Dewar, H., Stokesbury, M.J.W., Weng, K.C., Beemer, S., Seitz, A.S., Farwell, C.F., Prince, E.D. and Block, B.A. 2007. Annual migrations, diving behavior, and thermal biology of Atlantic bluefin tuna, *Thunnus thynnus*, on their Gulf of Mexico breeding grounds. *Marine Biology* 151:1-18.

Thomas, N.J., Dubey, J.P., Lindsay, D.S., Cole, R.A. and Meteyer, C.U. 2007. Protozoal meningoencephalitis in sea otters (*Enhydra lutris*): a histopathological and immunohistochemical study of naturally occurring cases. *Journal of Comparative Pathology* 137(2-3):102-121.

Tinker, M.T., Bentall, G. and Estes, J.A. 2008. Food limitation leads to behavioral diversification and dietary specialization in sea otters. *Proceedings of the National Academy of Sciences of the United States of America* 105(2):560-565.

Tinker, M.T., Doak, D.F. and Estes, J.A. 2008. Using demography and movement behavior to predict range expansion of the southern sea otter. *Ecological Applications* 18(7):1781-1794.

Tinker, M.T., Costa, D.P., Estes, J.A. and Wieringa, N. 2007. Individual dietary specialization and dive behaviour in the California sea otter: using archival time-depth data to detect alternative foraging strategies. *Deep Sea Research Part II: Topical Studies in Oceanography* 54(3-4):330-342.

Tinker, M.T., Doak, D.F., Estes, J.A., Hatfield, B.B., Staedler, M.M. and Bodkin, J.L. 2006. Incorporating diverse data and realistic complexity into demographic estimation procedures for sea otters. *Ecological Applications* 16(6):2293-2312.

Viens, M. 2008. Sea otter research and conservation. *Veterinary Technician* 29(6):342-346.

Weng, K., O'Sullivan, J., Lowe, C., Winkler, C., Dewar, H. and Block, B. 2007. Movements, behavior and habitat preferences of juvenile white sharks *Carcharodon carcharias* in the eastern Pacific. *Marine Ecology Progress Series* 338:211-224.

Weng, K.C., Castilho, P.C., Morrissette, J.M., Landiera, A., Holts, D.B., Schallert, R.J., Goldman, K.J. and Block, B.A. 2005. Satellite tagging and cardiac physiology reveal niche expansion in salmon sharks. *Science* 310:104-106.

Widmer, C.L. 2008. Life cycle of *Chrysaora fuscescens* (Cnidaria: Scyphozoa) and a key to sympatric ephyrae. *Pacific Science* 62(1):71-82.

Widmer, C.L. 2007. The hydroid and medusa of *Amphinema rollinsi* (Cnidaria: Hydrozoa), a new species of pandeid from the Monterey Bay Submarine Canyon, USA. *Zootaxa* 1595:53-59.

Widmer, C.L. 2006. The lifecycle of *Phacel-lophora camtschatica* (Cnidaria: Scyphozoa). *Invertebrate Biology* 125(2):83-90.

Widmer, C.L. 2005. Effects of temperature on growth of northeast Pacific moon jellyfish ephyrae, *Aurelia labiata* (Cnidaria: Scyphozoa). *Journal of the Marine Biological Association of the United Kingdom* 85:569-573.

Yeates, L.C., Williams, T.M. and Fink, T.L. 2007. Diving and foraging energetics of the smallest marine mammal, the sea otter (*Enhydra lutris*). *The Journal of Experimental Biology* 210(11):1960-1970.

Additional Resources

The Secret Lives of Apex Predators: Tunas and Great White Sharks

tunaresearch.org
tagagiant.org
topp.org
montereybayaquarium.org/cr/trcc.asp
montereybayaquarium.org/cr/topp.asp
montereybayaquarium.org/cr/whiteshark.asp

Sea Otters as Sentinels of Ocean Health: Sea Otter Research and Conservation

montereybayaquarium.org/cr/sorac.asp
fws.gov/ventura/speciesinfo/so_sea_otter/ssorecplan.pdf
werc.usgs.gov/Project.aspx?ProjectID=91
seaotterresearch.org

Research and Conservation Focusing on Ocean Wildlife in Our Care

montereybayaquarium.org/cr/aquarium.asp

Saving the Oceans: Taking Action

montereybayaquarium.org/cr/cffo.asp
oceanaction.org
compassonline.org
centerforoceansolutions.org
seafoodwatch.org
montereybayaquarium.org/cr/cr_aquarium/aquarium_partners.asp

Climate Change and the Oceans

montereybayaquarium.org/efc/efc_flamingos/science.aspx

Striving for Sustainability

montereybayaquarium.org/cr/aquarium.asp

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