

Publications

Nadon, M.O., **Ault, J.S.** (2016) A stepwise stochastic simulation approach to estimate missing life history parameters for data poor fisheries. *Canadian Journal of Fisheries and Aquatic Sciences*, *in press*

Bryan, D.R., Smith, S.G., **Ault, J.S.**, Feeley, M.W., Menza, C.W. (2016) Feasibility of a region-wide probability survey for coral reef fish in Puerto Rico and the U.S. Virgin Islands. *Marine and Coastal Fisheries* 8(1): 135-146.

Luo, J., **Ault, J.S.**, Shay, L.K., Hoolihan, J.P., Prince, E.D., Brown, C.A., Rooker, J.D. (2015) Ocean heat content reveals secrets of fish migrations. *PLoS ONE* 10(10): e0141101.

doi:10.1371/journal.pone.0141101

Bryan, D.R., Luo, J., **Ault, J.S.**, McClellan, D.B., Smith, S.G., Snodgrass, D., Larkin, M.F. (2015) Transport and connectivity modeling of larval permit from an observed spawning aggregation in the Dry Tortugas, Florida. *Environmental Biology of Fishes* 98(11): 2263-2276.

Nadon, M.O., **Ault, J.S.**, Williams, I.W., Smith, S.G., DiNardo, G.T. (2015) Length-based assessment of coral reef fish populations in the Main and Northwestern Hawaiian Islands. *PLoS ONE* 10(8): e0133960, doi:10.1371/journal.pone.0133960

Ault, J.S., Smith, S.G., Browder, J.A., Nuttle, W., Franklin, E.C., Luo, J., DiNardo, G.T., Bohnsack, J.A. (2014) Indicators for assessing the ecological and sustainability dynamics of southern Florida's coral reef and coastal fisheries. *Ecological Indicators* 44 (2014): 164-172.

Ault, J.S., Smith, S.G., Bohnsack, J.A., Patterson, M., Feeley, M.W., McClellan, D.B., Ruttenberg, B.I., Hallac, D., Ziegler, T., Hunt, J., Kimball, D., Luo, J., Zurcher, N., Causey, B. (2013) Assessing coral reef fish changes and marine reserve dynamics in the Dry Tortugas, Florida USA. *Fisheries Research* 144: 28-37.

Ault, J.S., Luo, J. (2013) A reliable game fish weight estimation model for Atlantic tarpon (*Megalops atlanticus*). *Fisheries Research* 139: 110-117.

Hammerschlag, N., Gallagher, A., Wester, J., Luo, J., **Ault, J.S.** (2012) Don't bite the hand that feeds: Assessing ecological impacts of provisioning ecotourism on an apex marine predator. *Functional Ecology* 26(3): 567-576.

Smith, S.G., Swanson, D.W., Chiappone, M., Miller, S.L., **Ault, J.S.** (2011) Probability sampling of stony coral populations in the Florida Keys. *Environmental Monitoring and Assessment* 183(1-4): 121-138.

Farmer, N.A., **Ault, J.S.** (2011) Grouper and snapper movements and habitat use in Dry Tortugas, Florida. *Marine Ecology Progress Series* 433: 169-184.

Smith, S.G., **Ault, J.S.**, Bohnsack, J.A., Harper, D.E., Luo, J., McClellan, D.B. (2011) Multispecies survey design for assessing reef-fish stocks, spatially-explicit management performance, and ecosystem condition. *Fisheries Research* 109(1): 25-41.

Larkin, M.F., **Ault, J.S.**, Humston, R., Luo, J. (2010) A mail survey to estimate the fishery dynamics of southern Florida's bonefish charter fleet. *Fisheries Management and Ecology* 17(2): 254-261.

Ault, J.S., Smith, S.G., Luo, J., Monaco, M.E., Appeldoorn, R.S. (2008) Length-based assessment of sustainability benchmarks for coral reef fishes in Puerto Rico. *Environmental Conservation* 35(3): 221-231.

Luo, J., **Ault, J.S.**, Larkin, M.F., Barbieri, L.R. (2008) Salinity measurements from pop-up archival transmitting (PAT) tags and application to geolocation estimation for Atlantic tarpon (*Megalops atlanticus*). *Marine Ecology Progress Series* 357: 101-109.

Ault, J.S., Humston, R., Larkin, M.F., Perusquia, E., Farmer, N.A., Luo, J., Zurcher, N., Smith, S.G., Barbieri, L., Posada, J. (2008) Population dynamics and resource ecology of Atlantic tarpon and bonefish. *CRC Series on Marine Biology* 9: 217-258.

Ault, J.S., S.G. Smith, J.A. Bohnsack, J. Luo, D.E. Harper, and D.B. McClellan. (2006) Building sustainable fisheries in Florida's coral reef ecosystem: positive signs in the Dry Tortugas. *Bulletin of Marine Science* 78(3): 633-654. [PDF](#)

Ault, J.S., Smith, S.G., Bohnsack, J.A. (2005) Evaluation of average length as an estimator of exploitation status for the Florida coral reef fish community. *ICES Journal of Marine Science* 62: 417-423. [PDF](#)

Ault, J.S., Bohnsack, J.A., Smith, S.G., Luo, J. (2005) Towards sustainable multispecies fisheries in the Florida USA coral reef ecosystem. *Bulletin of Marine Science* 76(2): 595-622. [PDF](#)

Humston, R., **Ault, J.S.**, Larkin, M.F., Luo, J. (2005) Movements and site fidelity of bonefish (*Albula vulpes*) in the northern Florida Keys determined by acoustic telemetry. *Marine Ecology Progress Series* 291: 237-248. [PDF](#)

Humston, R., Olson, D.B., **Ault, J.S.** (2004) Behavioral assumptions in models of fish movement and their influence on population dynamics. *Transactions of the American Fisheries Society* 133: 1304-1328. [PDF](#)

Meester, G.A., Mehrotra, A., **Ault, J.S.**, Baker, E.K. (2004) Designing marine reserves for fishery management. *Management Science* 50(8): 1031-1043. [PDF](#)

Bohnsack, J.A., **Ault, J.S.**, Causey, B. (2004) Why have no-take marine protected areas? *American Fisheries Society Symposium* 42: 185-193

Ault, J.S., Luo, J., Wang, J.D. (2003) A spatial ecosystem model to assess spotted seatrout population risks from exploitation and environmental changes. Chapter 15, Pages 267-296 in *Biology of Spotted Seatrout*. S.A. Bortone (ed.). CRC Press, Boca Raton, Florida. [PDF](#)

Meester, G.A., **Ault, J.S.**, Smith, S.G., Mehrotra, A.. (2001) An integrated simulation modeling and operations research approach to spatial management decision making. *Sarsia* 86(6): 543-558. [PDF](#)

Ault, J.S., Bohnsack, J.A., Meester, G.A. (1998) A retrospective (1979-1996) multispecies assessment of coral reef fish stocks in the Florida Keys. *Fishery Bulletin* 96(3): 395-414.

Ault, J.S., Olson, D.B. (1996) A multicohort stock production model. Transactions of the American Fisheries Society 125(3): 343-363. [PDF](#)

Rothschild, B.J., **Ault, J.S.** (1996) Population-dynamic instability as a cause of patch structure. Ecological Modelling 93(1-3): 237-249.

Bohnsack, J.A., **Ault, J.S.** (1996) Management strategies to conserve marine biodiversity. Oceanography 9(1): 73-82. [PDF](#)

Rothschild, B.J., **Ault, J.S.**, Gouletquer, P., Heral, M. (1994) Decline of the Chesapeake Bay oyster population: a century of habitat destruction and overfishing. Marine Ecology Progress Series 111(2&3): 29-39. [PDF](#)