

Everglades Publications by Mark Cook

SENIOR ENVIRONMENTAL SCIENTIST
Watershed Management/Everglades Division
mcook@sfwmd.gov

Education:

- Ph.D. 2000 Avian Ecology Glasgow University, UK
- M.Sc. 1995 Advanced Ecology University of Durham, UK
- B.Sc. 1993 Zoology/Marine Zoology University of Wales, Bangor, UK

Expertise:

- Factors affecting wading bird breeding success
- Effects of hydrology on juvenile wading bird dispersal behavior and survival
- Crayfish dispersal behavior and its relevance to wading bird foraging success
- Distribution and ecological consequences of non-native fish in the Everglades
- Behavioral and population ecology
- Conservation and ecology of wetland birds, Neotropical forest birds and marine birds
- Wetland restoration ecology
- Non-native invasion biology
- Experimental design, implementation and analysis

Publications:

Frederick P, Gawlik DE, Ogden JC, Cook MI and Lusk M. (In review). White Ibis and Wood Storks as Indicators for Restoration of Everglades Ecosystems. Ecological Indicators.

Cook MI, Beissinger SR, Toranzos G, Arendt WJ (2005). Effects of incubation on avian eggshell microbial processes: implications for maintaining egg viability prior to clutch completion. Ecology Letters 8: 532-537

Beissinger SR, Cook MI, Arendt WJ. (2005) The “shelf-life” of bird eggs: experimental analysis of egg viability using a tropical altitudinal gradient. Ecology 86: 2164-2175

Cook MI and Monaghan P (2004). Sex differences in embryo development period and effects on avian hatching patterns. Behavioral Ecology 15: 205-209.

Cook MI, Beissinger SR, Toranzos GA, Rodriguez R, Arendt WJ (2003) Trans-shell infection by pathogenic micro-organisms reduces the shelf life of non-incubated bird's eggs: A constraint on the onset of incubation? Proceedings of the Royal Society London B 270: 2233-2240.

Cook MI, Monaghan P, and Burns MD (2000). Effects of short-term hunger and competitive asymmetry on facultative aggression in nestling black guillemots *Cephus grille*. Behavioral Ecology 11: 282-287.

Cook MI, Monaghan P, and Burns MD (1999). Sibling aggression in Black Guillemot nestlings *Cepphus grylle*. In: NJ Adams and RH Slotow (Eds) Proc. 22 Int. Ornithol. Congr. Durban. Ostrich 63:134.

Cook MI and Hamer KC (1997). Effects of supplementary feeding on provisioning and growth rates of nestling Puffins *Fratercula arctica*: evidence for regulation of growth. Journal of Avian Biology 28: 56-62.