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EDUCATION

- Ph.D. Oceanography. Nova Southeastern University 2006
- M.S. Ecology & Evolutionary Biology with a specialty in Coastal Zone Studies. University of West Florida 1995
- B.S. Marine Science. Coastal Carolina University 1994
- B.A. Regents. West Virginia State College. 1990
- A.S. Medical Laboratory Technology .Fairmont State College. 1997

PROFESSIONAL EXPERIENCE

- Project Manager, Restoration Branch, USACE New Orleans District, LA. 2008- Present
- Project Manager, PBS&J, Metairie, LA. 2006-2008
- Senior Environmental Scientist, Coastal Ecosystems Division, South Florida Water Management District, Fort Myers, FL. 1999-2006
- Adjunct Instructor, Florida Gulf Coast University, Fort Myers, FL. 2001-2006
- Adjunct Instructor, Edison Community College, Fort Myers, FL. 1998-2001
- Research Associate, Florida Center for Environmental Studies, Fort Myers, FL. 1996-1999
- Weekend Supervisor, Medical Technologist, Grand Strand General Hospital, Myrtle Beach, SC 1992-1993
- Medical Technologist, Roche Laboratories, Fairmont, WV. 1991-1992
- Medical Technologist, Charleston Area Medical Center, Charleston, WV. 1987-1991

PROFESSIONAL INTERESTS

- Ecosystem Restoration
- Adaptive Management
- Coastal Processes

PUBLICATIONS

Barnes, T.K., A. Volety, K. Chartier, F.J. Mazzotti, and L. Pearlstine. 2007. A Habitat Suitability Index Model for the Eastern Oyster (*Crassostrea virginica*): a Tool for Restoration of the Caloosahatchee Estuary, Florida. *Journal of Shellfish Research* Vol. 26 No.4, 1-12.

Barnes, T.K., F.J. Mazzotti, L. Pearlstine, and A. Voley. 2006. Ecological Evaluation in Coastal Southwestern Florida: a Policy Decision Model for the Blue Crab (*Callinectes sapidus*). *Florida Scientist* Vol. 69 (Sp.2): 140-151.

Barnes, T.K. and F.J. Mazzotti. 2005. Using Conceptual Models to Select Ecological Indicators for Monitoring. Restoration and Management of Estuarine Ecosystems. *Pages 493-502 in S.A. Bortone (ed.) Estuarine Indicators*, CRC Press, Boca Raton, FL.

Barnes, T.K. 2005. Caloosahatchee Estuary Conceptual Ecological Model. *Wetlands* Vol. 25 No. 4: 884-897.

Mazzotti, F.J., H. Fling, G. Merediz, M. Lazcano, C. Lasch, and T. Barnes 2005. Conceptual Model for the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico. *Wetlands* Vol. 25 No. 4: 980-997.

Ogden, J.C., S.M. Davis, T.K. Barnes, K.J. Jacobs, and J.H. Gentile. 2005. Total System Conceptual Ecological Model. *Wetlands* Vol. 25 No. 4: 955-979.

Ogden, J.C., S.M. Davis, K.J. Jacobs, T. Barnes, and H.E. Fling. 2005 The Use of Conceptual Ecological Models to Guide Ecosystem Restoration in South Florida. *Wetlands* Vol. 25 No. 4: 795-809.