

FLÁVIA TONIOLI

Project Technician

Academic Background

Masters in Marine Affairs and Policy, Rosenstiel School of Marine and Atmospheric Science (RSMAS). University of Miami, Florida, 2008

Certificate in Management of Coastal Tropical Environments Universidade Federal de Pernambuco-UFPE. Pernambuco, Brazil, 2005

Bachelor of Sciences in Oceanography, Universidade do Vale do Itajaí – UNIVALI, Santa Catarina, Brazil, 2003

Specialized Professional Competence

Ms. Tonioli has experience collecting and analyzing environmental data, as well as working with socio-economic aspects of different uses in the marine and coastal environment. She is skilled with state-of-the-art GPS data collection and GIS mapping, and holds diving and boating certifications to facilitate field work.

Representative Professional Experience

Project Technician, SWC (Sandra Walters Consultants, Inc.), June 2009-present, Key West, Fort Myers & Miami, FL
Work on various ecological, land use and public involvement services for public- and private-sector clients, with responsibilities including data collection and analysis and report writing.

➤ **Wetland Mapping for Coastal Residential Project, Highland Beach, Palm Beach County, FL**

Data collection associated with Florida Department of Environmental Protection (DEP) enforcement case regarding mangrove trimming.

Research Assistant, RSMAS, University of Miami, Florida, 2006-May 2009

Conducted ethnographic surveys regarding maritime environmental impacts and socioeconomics. Performed statistical analysis (StatMost) of socioeconomic data obtained from surveys, and developed spatial maps (ArcGIS) to illustrate data. Evaluated the cumulative environmental impacts from permitted projects in southeast Florida. Coordinated field work, field sampling and laboratory preparation. Specific projects included:

- Maritime Industry and Coastal Construction Impacts (MICCI). Project 11: Creation of an electronic database for impact and permit condition information for use in inter-agency permit review processes. FL, USA. Funded by Florida Department of Environmental Protection (FDEP).
- Extending the Bajo de Sico Seasonal Closure: A cursory examination at fishermen's perception regarding the likely the socio-economics impacts on their fishing practices, families and community. Puerto Rico, USA. Funded by National Oceanic and Atmospheric Administration (NOAA).
- Beach water sampling for pathogen indicators. FL, USA. Funded by Environmental Protection Agency (EPA) and NOAA.
- Examination of non-fishery factors on the welfare of fishing communities in the Florida Keys: A focus on the synergistic and antagonistic effects of trade, economic, energy, and aid policies, macroeconomic (county and regional) conditions, and coastal development on the Monroe County commercial fishing industry. FL, USA. Funded by NOAA.
- Developing a methodology to assess the potential hurricane impacts on the Gulf of Mexico commercial fishing industry: a pilot study of the Monroe County, Florida spiny lobster trap fisheries. FL, USA. Funded by NOAA.
- Economic Performance in the Commercial Stone Crab and Lobster Fisheries in Florida. FL, USA. Funded by NOAA.
- The Florida Keys National Marine Sanctuary restudy project. FL, USA. Funded by NOAA.
- 2003-04 and 2004-05 Florida Keys National Marine Sanctuary commercial fishing panels' spatial fishery profiles. FL, USA. Funded by NOAA.
- Fishing, Diving, and Other Uses (FDOU) of Coral Reefs in Southeast Florida. Project 10: A compilation and comparison of social perceptions on reef conditions and use in southeast Florida. FL, USA. Funded by FDEP.
- Boat traffic and boating trends. FL, USA. Funded by Boating Research Center.

Research Assistant, Instituto Refices Costeiros- Coastal Reef Institute (IRCOS). PE, Brazil. January-December 2005

Conducted scientific scuba diving to monitor the health of the coral reef ecosystem. Coordinated field work of Reef Check Brazil team as well as local volunteers. Organized environmental workshops to educate local communities. Performed statistical analysis (BioEstat) in order to describe the profile of the scientific scuba divers in Brazil. Specific projects included:



- Reef Check Brazil. PE, Brazil. Funded by Ministério do Meio Ambiente do Brasil (Brazilian Ministry of the Environment), CEPENE (IBAMA), Instituto Recifes Costeiros, Reef Check and Universidade Federal de Pernambuco.
- Monitoring of Brazilian coral reefs with scientific diving. PE, Brazil. Funded by Ministerio do Meio Ambiente do Brasil, CEPENE (IBAMA), Instituto Recifes Costeiros, Reef Check and Universidade Federal de Pernambuco.
- Scientific SCUBA Diving Study- A scientific scuba diving as a tool for the environmental education. PE, Brazil. Funded by Instituto Recifes Costeiros

Visiting Researcher, RSMAS, University of Miami, FL, Marathon, FL, January 2003-December 2003

Conducted ethnographic surveys regarding maritime environmental impacts and socioeconomics, coordinated field work
Specific projects included:

- Economic valuation of marine reserves in the Florida Keys as measured by diver attitudes and preferences: implications for valuation of non-consumptive uses of marine resources. FL, USA. Funded by NOAA.
- Impacts of cruise ship industry on the quality of life in Key West study. FL, USA. Funded by The City of Key West.
- A case study of the Developmental and Political-Economic factors influencing Marine Protected Area (MPA) effectiveness in the Insular Caribbean". Protected Marine Areas in the Caribbean Region. FL, USA.

Professional Activities

- Invited speaker, *Coral Reef Monitoring*, II Convention of Brazilian Oceanography (CBO 2005), Universidade Federal do Espirito Santo (UFES). ES, Brazil, October 2005
- Instructor, *Scientific scuba diving*, Coastal Reef Project-NGO. PE, Brazil, February 2005
- Workshop, *Ecosystem of Mangroves*, Coastal Reef Project-NGO. PE, Brazil, December 2004
- *Beach and Barrier Morphodynamics and Applications to the Brazilian Coast*, Brazilian Symposium on Sandy Beaches. UNIVALI. SC, Brazil, September 2000

