

**THOMAS G. MINTER**  
Marine Ecologist/GIS Analyst

Mr. Minter is an environmental manager specializing in coastal ecosystems. His responsibilities at Research Planning, Inc. (RPI) include preparing Environmental Sensitivity Index atlases, serving as a member of the National Oceanic and Atmospheric Administration (NOAA) Scientific Support Team as a responder to oil/hazardous materials spills, and coastal mapping projects. He has a background in marine ecology and has worked on various wetland restoration projects along the Atlantic coast. He is native to California and has worked as a professional and research SCUBA diver worldwide. For his Masters Project entitled, Tributary creek water quality influenced by land use characteristics at Marine Corps Base Camp Lejeune, NC, he developed a tool and model to spatially predict water quality changes in creeks based on land use change. He earned a certificate in geospatial analysis and is proficient using ArcGIS, R, Python, and GPS field equipment. He is excited to be the newest member of RPI.

**EDUCATION:**

Masters of Environmental Management (M.E.M), Coastal Ecosystem Science and Conservation, Nicholas School of the Environment, Duke University, NC (2009).

Bachelors of Arts, Environmental Science and Marine Ecology, University of California, Santa Barbara, CA (2007).

**PROFESSIONAL EXPERIENCE:**

**Marine Ecologist/GIS Analyst**, Research Planning Inc., Columbia, S.C. January 2010 – present.

**Marine Geospatial Analyst**, Marine Geospatial Ecology Lab, Duke University Marine Lab, Beaufort, NC.

Combined GPS field work with geospatial analysis to accurately build small scale watersheds at Marine Corp Base Camp Lejeune. Compared multiple DEM resolutions and their accuracy when building watersheds in the flat coastal plains of North Carolina. Processed water quality data and used regression to identify important land use characteristics affecting water quality. Summer 2009.

**Salt marsh and River Herring Habitat Restoration Specialist**, Cape Cod Commercial Hook Fisherman's Association, Chatham, MA.

Conducted monitoring activities and developed a restoration plan for Rock Harbor Salt Marsh in Orleans, MA. Researched river herring habitat requirements and population history in Cape Cod, MA. Gathered community support and effectively supervised stakeholder communication. Aided in Sea Herring policy. Summer 2008.

**Assistant Researcher**, Bren School of Environmental Science and Management, Moorea, French Polynesia.

Researched *Tridacna maxima* populations and recreational fishing pressures in the lagoons of Moorea. Established underwater transects on the coral reefs, identified and tagged clams on SCUBA. Summer 2007.

**Naturalist and Aquarist**, Research Experience and Educational Facility, University of California, Santa Barbara, CA.

Guided ecological excursions of the Santa Barbara Channel and led aquarium tours at the campus touch tanks for students K-12. Assisted in aquarist duties such as cleaning, feeding and water quality management. 2004-2007.

**FIELDS OF SPECIALIZATION:**

- Marine ecology and policy
- Conservation
- Wetland restoration
- Stream Assessments and water quality
- ArcGIS mapping
- Statistical Analysis Procedures
- Database Management

**PUBLICATIONS:**

Minter, T.G. 2009. Tributary creek water quality influenced by land use characteristics at Marine Corps Base Camp Lejeune, NC[Masters Project]. Nicholas School of the Environment, Duke University: Durham (NC). 60pp. Available from: Duke University Library, Durham NC.

**SPECIALIZED TRAINING:**

- 24-hour OSHA HAZWOPER training
- Certificate in Geospatial Analysis
- AAUS research dive trained
- PADI SCUBA Instructor
- Emergency First Responder, CPR/First-Aid Instructor