

## **Lourdes M. Prieto, Physical Scientist, in EPA's National Exposure Research Laboratory**

Computational Exposure Division

[Mailing Address](#)

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**Area of Expertise:** My role is to support ongoing research. Mostly, this involves using geographic information system (GIS) technology to manage, analyze and display spatial data. I also support research by compiling data, formatting data for model input, creating charts, and doing literature searches. In the past, I have conducted laboratory and field studies and mapped sampling sites, using GIS and a Global Positioning System (GPS) receiver.

### **Select Publications:**

US EPA (Environmental Protection Agency). 2014. Case study analysis of the impacts of water acquisition for hydraulic fracturing on local water availability. National Exposure Research Laboratory, Washington, DC; EPA/600/R-14/179.

Marirosa Molina, Shayla Hunter, Mike Cyterski, Lindsay A. Peed, Catherine A. Kelty, Mano Sivaganesan, Thomas Mooney, Lourdes Prieto, Orin C. Shanks. 2014. Factors affecting the presence of human-associated and fecal indicator real-time quantitative PCR genetic markers in urban-impacted recreational beaches. *Water Research* 64 (2014) 1996-208.

Mohamoud, Y. M. and L. M. Prieto, 2011. Effect of Temporal and Spatial Rainfall Resolution on HSPF Predictive Performance and Parameter Estimation. *Journal of Hydrologic Engineering* 1, 295

Anne C. Sigleo, Walter E. Frick and Lourdes Prieto, 2010. Red Alder (*Alnus rubra*) Distribution Influences Nitrate Discharge to Coastal Estuaries: Comparison of Two Oregon Watersheds. *Northwest Science*, Vol. 84, No. 4, 336-350.

Cytersky M., L. Prieto, 2010. Creating a Population of 12-Digit Headwater Basins within the Albemarle-Pamlico Estuary System. *Transactions in GIS*, 2010, 14(5): 581-593

Weaver J.W., L. R. Exum, and L. M. Prieto, 2010, Gasoline Composition regulations Affecting LUST Sites. U.S. Environmental Protection Agency, Athens, GA, EPA/600/R-10/001

View more research publications by [Lourdes Prieto](#).

### **Education:**

- GIS training, multiple sources, 1993-present
- Graduate credits in Marine Sciences, University of Puerto Rico, 1982
- B.S. in Biology, University of Puerto Rico, 1979

**Professional Experience:**

- Environmental Scientist, USEPA, ORD, NERL-ERD, Athens, GA 1989–present
- Laboratory Technician, Terrestrial Ecology Division, Center for Energy and Environment Research, Rio Piedras, Puerto Rico 1983–1989
- Microbiology Technician, Microbial Ecology Laboratory, University of Puerto Rico, Rio Piedras, Puerto Rico 1981–1982

**Honors and Awards:**

- NERL Meritorious Research Support Award, 2009
- Glenda A. Farmer Award for Exemplary Technical Support (Team Award), 2007
- Exceptional/Outstanding ORD Technical Assistance to the Regions or Program Offices (Team Award), 2006