Walter J. Berry, Research Biologist, in EPA's National Health and Environmental Effects Research Laboratory

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Area of Expertise I am a Research Biologist with the United States Environmental Protection Agency, Office of Research and Development, Atlantic Ecology Division in Narragansett, Rhode Island. I have over 30 years of experience in issues relating to contaminated water and sediment. My laboratory research has focused primarily on the bioavailability of metals in sediments. Throughout much of my career I have worked closely with staff from the U.S.EPA Office of Water. I helped to develop the technical basis for the equilibrium partitioning derived guidelines for metals in sediments, and coauthored Equilibrium Partitioning Derived Sediment Benchmarks (ESBs) for dieldrin, endrin, and cationic metals. I also worked with U.S.EPA Office of Water staff on the development of a framework for the development of water quality criteria for suspended and bedded (as opposed to contaminated) sediments. I am also involved with a number of navigational dredging issues, on both the national and local levels. My more recent research has involved working with sparrows on Rhode Island salt marshes. I have also been doing more with facilitation and outreach.

Select Publications (Several links exit this site)**:**

Berry, W., S. Reinert, M. Gallagher, S. Lussier, and E. Walsh. 2015. Population Status of the Seaside Sparrow in Rhode Island: A 25-Year Assessment. *Northeastern Naturalist*. **22**:658-671.

Burgess, R. M., W. Berry, D. Mount, and D. DiToro. 2013. Mechanistic Sediment Quality Guidelines based on Contaminant Bioavailability: Equilibrium Partitioning Sediment Benchmarks (ESBs). *Environmental Toxicology and Chemistry*. **32**(1):102-114.

Berry, W. J., N. Rubinstein, E. Hinchey, G. Klein-MacPhee, and D.G. Clarke. 2011. Assessment of Dredging-Induced Sedimentation Effects on Winter Flounder (Pseudopleuronectes americanus) Hatching Success: Results of Laboratory Investigations. Proceedings of the Western Dredging Association Technical Conference and Texas A&M Dredging Seminar, Nashville, Tennessee, June 5-8, 2011.

Cormier, S., J. Paul, R. Spehar, P. Shaw-Allen, W. Berry, and G. W. Suter II. 2008. Using Field Data and Weight of Evidence to Develop Water Quality Criteria. *Integrated Environmental Assessment and Management* **4**:490–504.

Di Toro, D., J. McGrath, D. Hansen, W. Berry, P. Paquin, K. Wu, and R. Santore. 2005. Predicting Sediment Metal Toxicity Using a Sediment Biotic Ligand Model: (I) Single Metals. *Environmental Toxicology and Chemistry*. **24**:2410-2427.

Berry, W. J., W. S. Boothman, J. R. Serbst, and P. A. Edwards. 2004. Predicting the toxicity of chromium in sediments. *Environmental Toxicology and Chemistry*. **23**:2981-2992.

View more research publications by Walter Berry.

Education:

- Ph.D., University of Rhode Island, Kingston, RI; Biological Oceanography, 1987
- A.B., Vassar College, Poughkeepsie, NY; Biology, 1976

Professional Experience:

- Editorial Board, Integrated Environmental Assessment and Management, 2005-present
- Acting Chief, Habitat Effects Branch, U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Atlantic Ecology Division, 2000
- Research Biologist, U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Atlantic Ecology Division, 1995-present
- Senior Biologist, Science Applications International Corporation, 1989-1995
- Research Associate, University of Rhode Island, 1987-1988
- Biologist/Senior Biologist, Science Applications International Corporation, 1984-1987