



# Environmental Contaminants Program

## *Chesapeake Bay Field Office*

### Reports and Publications (2000-2002)

#### Reports

Pinkney, A.E., J.C. Harshbarger, E.B. May, and M.J. Melancon. 2000. Tumor prevalence and biomarkers of exposure and response in brown bullheads (*Ameiurus nebulosus*) from the Tidal Potomac River Watershed. CBFO-C99-04.

Pinkney, A.E., B.L. McGee, D.R. Murphy, P.C. McGowan, K.N. Johnson, and D. Ray. 2000. Use of caged wedge clams (*Rangia cuneata*) and semi-volatile membrane devices (SPMDs) to monitor contaminants in the Potomac River near the Old Landfill, Marine Corps Combat Development Command, Quantico, Virginia. CBFO-C00-01.

Pinkney, A.E. 2000. Investigation of sediment chemistry at Cash Lake, Patuxent Research Refuge, Laurel, Maryland. CBFO-C00-02.

McGowan, P. 2000. U.S. Fish and Wildlife Service response during the Chalk Point Oil Spill. CBFO-C00-03.

Pinkney, A.E., D.R. Murphy, P.C. McGowan, B.L. McGee, K.N. Johnson, and D.W. Sparling. 2001. Ecological risk assessment -- wetlands adjacent to Old Landfill, Marine Corps Combat Development Command, Quantico, Virginia. CBFO-C01-01a.

Pinkney, A.E., C.A. Dobony, and P. Doelling Brown. 2001. Analysis of contaminant concentrations in fish tissue collected from the waters of the District of Columbia. CBFO-C01-01b.

Johnson, K.N., A.E. Pinkney, M.J. Melancon, and D.J. Hoffman. 2001. Investigation of eggshell thickness and biochemical indicators of contaminant exposure in great blue heron (*Ardea herodias*) from Mason Neck National Wildlife Refuge. CBFO-C01-02.

McGee, B.L., D.J. Fisher, J. Ashley and D.J. Velinsky. 2001. Using the Sediment Quality Triad to characterize toxic conditions in the Chesapeake Bay (1999): An assessment of tidal river segments in the Bohemia, Magothy, Patuxent, Potomac, James and York Rivers. U.S. EPA Chesapeake Bay Program, Annapolis, MD. EPA 903-R-01-008.

McGowan, P.C. 2001. Fish and Wildlife Annex to the U.S. Environmental Protection Agency Region III Inland Area Contingency Plan. U.S. Environmental Protection Agency, Region III, Philadelphia, PA. CBFO-C01-03.

Wearmouth, A. and P. McGowan. 2001. Reproductive success of bald eagles (*Haliaeetus leucocephalus*) nesting in the vicinity of the Chalk Point Oil Spill. CBFO-C01-04.

McGowan, P., B.L. McGee, and J. Hatfield. 2001. Reproductive success of great blue herons (*Ardea herodias*) nesting in Swanson Creek, Maryland during the Chalk Point Oil Spill. CBFO-C01-05.

Cardano, S., P. McGowan and B.L. McGee. 2001. Reproductive success of osprey (*Pandion haliaetus*) nesting in the vicinity of the Chalk Point Oil Spill. 2001. CBFO-C01-06

Brown, P.D. 2002. Evaluation of herbicides for use in suppression of vegetation at bog turtle (*Clemmys muhlenbergii*) sites. CBFO-C02-01.

McGowan, P.C., A.E. Pinkney, D.R. Murphy, K.N. Johnson, D. Ray, and R.Y. Li. 2002. An ecological assessment of streams located in three watersheds on the Patuxent River Naval Air Station (PRNAS), Maryland. CBFO-C02-02.

Pinkney, A.E., J.C. Harshbarger, E.B. May, and M.J. Melancon. 2002. Tumor prevalence and biomarkers of exposure in brown bullheads (*Ameiurus nebulosus*) from Back River, Furnace Creek, and Tuckahoe River, Maryland. CBFO-C02-03.

## Journal Articles

- Eaton-Poole, L. and A.E. Pinkney. 2002. Investigation of abnormalities in frogs on Region 5 National Wildlife Refuges. FY02-NEFO-1-EC and CBFO-C02-04.
- Pinkney, A.E., P.D. Brown, and D.J. Fisher. 2002. Larval fish toxicity studies in the Anacostia River. CBFO-C02-05.
- Page, S. 2002. Ichthyoplankton community composition in tidal waters of the District of Columbia 1997-1999. CBFO-C02-06.
- Pinkney, A.E., J.C. Harshbarger, E.B. May, and W.L. Reichert. 2002. Tumor prevalence and biomarkers of exposure and response in brown bullheads (*Ameiurus nebulosus*) from the Anacostia River, Washington, D.C. and Tuckahoe River, Maryland. CBFO-C02-07.
- Sakaris, P.C., R.V. Jesien, and A.E. Pinkney. 2002. Seasonal movement patterns, home ranges, and habitat use of the brown bullhead (*Ameiurus nebulosus*) in the Anacostia River, Washington, DC. CBFO-C02-08.
- McGee, B.L. and A.E. Pinkney. 2002. Using the Sediment Quality Triad to characterize baseline conditions in the Anacostia River, Washington, DC. CBFO-C02-09.
- Pinkney, A.E., P.C. McGowan, D.R. Murphy, T.P. Lowe, D.W. Sparling, and L.C. Ferrington. 2000. Effects of the mosquito larvicides, temephos and methoprene, on insect populations in experimental ponds. *Environ. Toxicol. Chem.* 19:678-684.
- Rattner, B.A., P.C. McGowan, J.S. Hatfield, C.S. Hong, and S.G. Chu. 2001. Organochlorine contaminant exposure and reproductive success of black-crowned night herons (*Nycticorax nycticorax*) nesting in Baltimore Harbor, Maryland. *Arch. Environ. Contam. Toxicol.* 41:73-82.
- Pinkney, A.E., J.C. Harshbarger, E.B. May, and M.J. Melancon. 2001. Tumor prevalence and biomarkers of exposure in brown bullheads (*Ameiurus nebulosus*) from the Tidal Potomac River Watershed. *Environ. Toxicol. Chem.* 20:1196-1205.
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- McGee, B.L. and M. Spencer. 2001. A field-based population model for the sediment toxicity test organism *Leptocheirus plumulosus*. II. Model Application. *Mar. Environ. Res.* 51:347-363.
- Crimmins, B.S., P.D. Brown, D.P. Kelso, and G.D. Foster. 2002. Bioaccumulation of PCBs in aquatic biota from a tidal freshwater marsh ecosystem. *Arch. Environ. Contam. Toxicol.* 42:396-404.

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