

BRANDON J. FLEMING
U.S. Geological Survey
5522 Research Park Drive
Baltimore, MD 21228
(443) 498-5561: fax (443) 498-5510
bjfleming@usgs.gov

Education

- University of Massachusetts, Amherst, Geology, M.S., 2009
- University of Massachusetts, Amherst, Geology, B.S., 2002

Professional Experience

- **2009 – present:** Hydrologist, U.S. Geological Survey, MD-DE-DC Water Science Center, Baltimore, MD
- **2008-2009:** Student Trainee in Hydrology, U.S. Geological Survey, MD-DE-DC Water Science Center, Baltimore, MD
- **2007-2008:** Student Trainee in Physical Science, U.S. Geological Survey, Reston, VA

Current Projects

- Project Chief: Little Blackwater Watershed Characterization
- Project Chief: Maryland Fractured Rock Study
- Project Chief: Dalecarlia Reservoir Groundwater Technical Assistance

Support Teams

- GIS Support Team MD-DE-DC WSC
- Field Technology Team MD-DE-DC WSC

Awards

- USGS Star Award, October 2008, December 2008
- University of Massachusetts, Amherst, Department of Geosciences Elinor Fierman Award Memorial Award, 2007
- Best Poster Award, University of Massachusetts, Amherst, Department of Geosciences Research Review, 2006

Selected Publications and Presentations

Fleming, B.J., 2009, Effects of anthropogenic stage fluctuations on surface water/ground water interactions along the Deerfield River, Massachusetts: Masters Thesis, Department of Geosciences, University of Massachusetts, Amherst, 98p.

Boutt, D.F., and B. J. Fleming, (2009), Implications of anthropogenic river stage fluctuations on mass transport in a valley fill aquifer. *Water Resources Research*, 45, W04427, doi:10.1029/2007WR006526.

Fleming, B.J., 2009, Hydrology of the Little Blackwater River Watershed, Dorchester County, Maryland, Invited Talk at the Chesapeake Marshlands National Wildlife Refuge Complex Sixth Annual Science Meeting, Abstract, p.6.

Fleming, B.J., 2008, Baseline Groundwater and Surface Water Quality Data Collection And Analysis For The Little Blackwater River Watershed, Prior To Anticipated Land Use Changes, Maryland Groundwater Symposium,

Fleming, B.J., Boutt, D.F., 2007, Determining water fluxes across surface water/groundwater interfaces using temperature data and numerical models. Eos Trans. AGU 88(52), Fall Meet. Suppl., Abstract H13D-1547

Boutt, D.F., Fleming, B.J., 2007, Mass Transport between Surface Water and Ground Water: The Influence of Dispersive Mixing. Geological Society of America *Abstracts with Programs*, Vol. 39, No. 6, p. 488

Mabee, S.B., Fleming, B.J., and Boutt, D.F., 2007, Hydrogeologic Investigation of the West Charlemont Aquifer, Charlemont, Massachusetts, Office of the Massachusetts State Geologist Report.

Fleming, B.J., Boutt, D.F., Mabee, S B., 2006, Implications of Diurnal River Fluctuations on Mass Transport in a Valley Fill Aquifer. Invited Talk Geological Society of America *Abstracts with Programs*, Vol. 38, No. 7, p. 468