

EPA-supported NRC post-doc opportunity now open for application. Deadline is Nov 1

“Floodplain Restoration, Expansion, and Infrastructure Effects on Ground and Surface Water Quality”

A Research Opportunity (22.03.05.B8222) is available for studying the effects of restoration and infrastructure on the biogeochemistry of floodplain surface and ground water. The Associate will work with Principle Investigator Dr. Ken Forshay of US EPA, Office of Research and Development, at the Robert S. Kerr Environmental Research Center in Ada, OK. This is a collaborative research effort that includes opportunities for interaction with EPA scientists and scientists at various institutions. Field research will take place at established and tbd locations across the country with travel to field locations.

Research will focus on floodplain restoration and infrastructure effects on nutrient and carbon biogeochemistry in ground and surface water. The research approach should include both lab mesocosm experiments and field studies to support conclusions and literature review.

Manipulative experiments may be necessary to test or confirm results. Expertise required includes knowledge of (1) river floodplain ecology and biogeochemistry; (2) fate and transport of dissolved nutrients, especially C, N, and P; and (3) hydrology, especially groundwater and surface water interaction. Experience with statistics, geographic information systems, and experimental design will be beneficial. Potential exists for developing novel research questions and measurements based on research interests of the postdoctoral scientist. Go to the NRC web site for more info on the opportunity, eligibility, and application requirements.

<http://nrc58.nas.edu/RAPLab10/Opportunity/Opportunity.aspx?LabCode=22&ROPCD=220305&RONum=B8222>

For a description of the National Academies Research Associateship Programs with the United States Environmental Protection Agency Office of Research and Development

<http://nrc58.nas.edu/PGAContent/RapLab20/Opportunity/PromotionalBrochures/EPA.pdf>

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