Graduate Research Position in Wetland-Stream Hydrologic Connectivity

I have an opening for a M.S. or Ph.D. student in my University of Maryland research group (http://www.PalmerLab.umd.edu) in the area of wetland-stream connectivity. The student will use GIS and remote sensing data, including LiDAR, to more accurately map non-tidal Coastal Plain wetlands, stream networks, and landscape features that influence their connectivity, in natural and modified landscapes. These high resolution maps will be used alone and in conjunction with hydrologic models to analyze connectivity between wetlands and the stream network, and to assess potential effects of such connections on the condition or function of downstream waters protected by the Clean Water Act. The student will have the opportunity to work directly with collaborators, including USDA and US EPA federal scientists. Though predominantly a computer-based, data intensive project, there is also opportunity for field work depending upon the students interests.

Position is available now but could also be filled in January. Student must have GIS skills and course work in hydrology, stream ecology or wetland ecology, ideally with an emphasis on landscape connectivity or spatial data analysis. Students with watershed hydrologic modeling experience are particularly encouraged to apply. If interested, please send resume, transcripts, and GRE scores to mpalmer@umd.edu