

# Sarah M<sup>c</sup>Cormack MSc, BA.

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## Education

PhD Student in Geography <i>University of Kentucky</i>	2007-Present <i>Lexington, Ky</i>
Graduate Certificate (Expected) Environmental Systems <i>The Graduate School</i>	2007-Present <i>Lexington, Ky</i>
Graduate Certificate Transportation Systems Management Program <i>College of Engineering</i>	2007-2008 <i>Lexington, Ky</i>
Masters of Environmental Engineering <i>Queens University Belfast</i>	2005-2006 <i>Belfast, Northern Ireland</i>
B.A. in Single Honors Geography <i>National University of Ireland, Maynooth.</i> Minor: English, Biology	2002-2005 <i>Maynooth, Ireland.</i>
Undergraduate International Exchange Program <i>The Geography Department</i> GPA: 3.8	Fall 2004 <i>Lexington, Ky</i>

## Professional Work Experience

Teaching Instructor (August 2008- Present) Introduction to Physical Geography (GEO 130), University of Kentucky.

CUASHI/NSF North East Hydrologic Synthesis Research Scholar (June –July 2009)

Teaching Instructor (June 2009) University of Louisville, Panama. Course: GEOS 200.

Fluvial Geomorphologist (May 2007- August 2008) for Copperhead Road Geosciences, Lexington, KY.

Geophysicist (May-August 2008) for The Hutchinson Group Ltd., Murraysville,

PA.

Teaching Assistant (January 2007- May 2008) The Geography Department,  
University of Kentucky.

Courses assisted: GEO 130, GEO 351, GEO 241

## Software and Research Competencies

➤ Surfer	➤ Microsoft Office (Excel, Powerpoint, Word)
➤ SPSS ➤ ArcGIS	➤ Various river/groundwater flow modeling programs
➤ Geophysical programs	

Research Skills: telephone and in-person surveys, guided interviews, literature reviews, site selection, remote sensing (using both aerial photography and satellite imagery), documentary film production and editing, river surveying, geophysical surveying (ground penetrating radar, electrical imaging, electrical resistivity, vlf), GPS.

## Professional Service

Graduate student member of physical geography candidate hire committees

Graduate committee representative for the Geography Graduate Student Union

Member QUBES (Engineering Society, Belfast)

## Publications

McCormack, S. 2009. *Flow* in Encyclopedia of Geography Barney Warf (ed) Sage Publications (forthcoming).

Phillips, J., McCormack, S., Duan, J., Russo, J., Schumacher, A., Tripathi, G., Brockman, R. and Mays, A. 2009. Origin and Interpretation of Knickpoints in the Big South Fork River Basin, Kentucky- Tennessee. *Geomorphology* (in press).

## Awards and Honors

International Travel Award (Kildare - Lexington, sister cities program)

University of Tennessee Transportation Research Scholarship 2007-2008

NSF Research Scholar, Hydrologic Synthesis Research Group 2009.