**CURRICULUM VITAE**

**Kristen B. Newcomer**

Email: kbnewcomer@gmail.com

**EDUCATION**

M.S. in **Geography,** *Texas State University,* San Marcos, TX (*pending May 2017)*

Thesis Title: Historical riparian habitat changes of an endangered bird species: Interior Least Terns along the Red River below Denison Dam.

Research Interests: fluvial geomorphology, hydrology/hydrogeology, water resources, land change science, geology

B.S. in **Geology,** *University of Tennessee*, Knoxville, TN (August 2012)

 minor: **Physics**

(3.88 GPA) *Suma Cum Laude,* Phi Beta Kappa Member

Relevant Coursework:

 GIS I, Fluvial Processes, Geographic Aspects of Water, Field Camp, Applied Geophysics, Earth Structure and Geophysics, Process Geomorphology, Remote Sensing, Igneous and Metamorphic Petrology, Mineralogy, Stratigraphy and Sedimentation.

**EMPLOYMENT AND RESEARCH EXPERIENCE**

GIS Intern (October 2015 − present)

 *Texas Natural Resources Information System, Austin, TX*

Physical Geology Lab Coordinator (August 2015 – July 2015)

 *Department of Geography, Texas State University-San Marcos*

Graduate Assistant (August 2013 – July 2015)

 *Department of Geography, Texas State University-San Marcos*

Research Assistant (January 2012 - June 2012)

 *Earth and Planetary Sciences Department, UT Knoxville*

Field Assistant (May 2011- August 2011)

 *Earth and Planetary Sciences Department, UT Knoxville*

Independent Study for course credit (September 2010 – April 2011)

 *Earth and Planetary Sciences Department, UT Knoxville*

Research Assistant (October 2009 – July 2010)

 *Earth and Planetary Sciences Department, UT Knoxville*

Administrative Assistant (Summer 2009)

 *Lynn Fleming Studios, Damascus, MD*

Actuarial Intern (Summers 2008/2007 and Seasonal 2008/2007)

 *Actuarial Department, The Segal Company, Washington, D.C.*

**TEACHING EXPERIENCE**

Physical Geology Lab Coordinator (Fall 2014 and Spring 2015)

 *Department of Geography, Texas State University-San Marcos*

Physical Geology 1410 Lab Instructor (Fall 2013, Spring 2014, Fall 2014, and Spring 2015)

*Department of Geography, Texas State University-San Marcos*

**SKILLS**

Knowledge: Fluvial geomorphology, GIS, water resources, hydrology, hydrogeology, geology, remote sensing.

Software: ArcGIS Desktop, Adobe Illustrator, Google Earth, ERDAS, ENVI, Indicators of Hydrologic Alteration, SPSS, Microsoft Office Suite.

Hard Skills: Research, data analysis, image processing, map development, field navigation, geological mapping.

Soft Skills: Teaching, communication, writing, teamwork, customer service experience, organization, detail-oriented.

**AWARDS**

1st Place Winner of Graduate Student Paper Competition (November 2015)

 *Southwest AAG Regional and AGC Joint Meeting, Nov. 4-7, 2015 in San Antonio, TX*

Graduate College Scholarship (May 2013)

 *The Graduate College, Texas State University-San Marcos*

Member of Phi Beta Kappa Honors Society (May 2012 – present)

 *Phi Beta Kappa Honors Society, Washington, D.C.*

Outstanding Senior Award (April 2012)

 *Earth and Planetary Sciences Department, UT Knoxville*

The Bill Ross Field Camp Scholarship (April 2012)

 *Earth and Planetary Science Department, UT Knoxville*

Member of Phi Kappa Phi Honors Society (May 2011 – present)

 *Phi Kappa Phi Honors Society, Baton Rouge, LA*

Otey Cottrell Undergraduate Student Award (April 2011)

 *Knoxville Gem and Mineral Society, Knoxville, TN*

Undergraduate Professional Promise Award (April 2011)

 *Earth and Planetary Sciences Department, UT Knoxville*

**ABSTRACTS**

**Newcomer, K. B.** (2015), Historical riparian habitat changes of an endangered bird species: Interior Least Terns along the Red River below Denison Dam, Abstract accepted at the Southwest AAG Regional and AGC Joint Meeting, Nov. 4-7, 2015 in San Antonio, Texas.

**Newcomer, K. B.,** Julian, J., and Meitzen, K. (2014), Spatiotemporal changes in Interior Least Terns along the Red River below Denison Dam, Abstract accepted at the Southwest−Great Plains−Rocky Mountain Joint AAG Regional Meeting, Oct. 24-25, 2014 in Albuquerque, New Mexico.

Julian, J., Daly, G., Dascher, E., Espinoza, J., Flores-Ortiz, H., and **Newcomer, K. B.,** (2014), Water resources and protected places in the South-Central United States, Abstract accepted at the Southwest−Great Plains−Rocky Mountain Joint AAG Regional Meeting, Oct. 24-25, 2014 in Albuquerque, New Mexico.

**Newcomer, K. B.,** Moersch, J. E., Cabrol, N. A., Grin, E., Wynne, J. J., and Chojnacki, M. (2011), Evaluation of a Proposed Technique for Identifying Martian Caves in THEMIS Infrared Images, *Lunar Planetary Sci., XXXXII,* abstract 2739.

 http://www.lpi.usra.edu/meetings/lpsc2011/pdf/2739.pdf