WERC is seeking an independent and motivated student to study the Arctic water cycle using field measurements and analysis of existing hydrologic and climate data from the Kuparuk River Watershed in northern Alaska. The successful candidate would be part of a new integrated team developing a Terrestrial Ecological Observation Network (TEON, arcticlcc.org/projects/teon) being supported by the Arctic Landscape Conservation Cooperative (Arctic LCC). The M.S. program is based in the Department of Civil and Environmental Engineering and depending on student interest and qualifications, degree options include M.S. in Civil Engineering, Environmental Quality Science, or Independent Studies.

Qualifications:
- B.S. in Geology, Civil Engineering, Ecology, Environmental Science or related field
- Interest in Arctic hydrology, snow, climate, and ecosystems
- Experience in field data collection and studies and/or outdoor wilderness experience
- Capability to work in physically demanding environments (cold and mosquitoes) for extended periods
- Desire to learn hydrologic and climatological monitoring techniques, data management, and data analysis

Expectations:
- Two year Research Assistantship for Alaska Residents (salary and tuition)
- Late Spring and Summer dedicated to field work in northern Alaska
- Assistance with data management and analysis
- Involvement with TEON team planning and outreach
- Develop and complete a thesis research topic related to hydrologic processes and trends in the Kuparuk with the assistance of graduate committee

Anticipated Start Date: Fall Semester 2015 (field work could begin as early as May 2015)

For more information contact Chris Arp (WERC, cdarp@alaska.edu, 907-474-2783) or Sveta Stuefer (WERC, sveta.stuefer@alaska.edu, 907-474-2714)