GISCorps Volunteer Project:
Photogrammetric solutions to historical aerial imagery of a wildlife refuge in Oklahoma

Gericke Cook, GIS Specialist
USDA-APHIS Plant Protection and Quarantine

Thursday, December 1, 2011
12:00 – 12:50 p.m.
Location: NR 100

GISCorps is a non-profit, volunteer organization of GIS professionals that donate their time and expertise to underserved communities, building infrastructure in developing countries, and technological assistance during humanitarian efforts and relief aid. A brief introduction to the mission statement, application process and volunteer experience will be covered for students interested in volunteering their GIS skills and earning credit toward GISP certification. The rest of the presentation recounts the research and photogrammetric solutions that the presenter and another volunteer performed for a project based at the Wichita Mountains Wildlife Refuge in Oklahoma. Discover how historical survey and infrastructure works at CCC camps in the 1930's affect the invasion potential of contemporary plant communities. Learn how GIS technology is being used to prioritize areas of high invasion risk. A little history, a little sleuthing, and some great historical photos!

Gericke Cook is the regional GIS Specialist for USDA APHIS Plant Protection and Quarantine in Fort Collins, CO. She provides expertise in mobile data collection and management, cartography, spatial statistics and GIS analyses for the Western Region which includes support to more than 20 agricultural pest/disease programs. In her spare time, she delights in being “mom”, playing board games, and volunteering for the GISCorps.

The Geospatial Centroid at CSU is dedicated to facilitating campus-wide communication about events, research, and education in geospatial sciences. For more information:

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