



SHAWN HEADLEY

Certified Mapping Scientist GIS/LHS (ASPRS) #GS168

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EDUCATION

MS Degree: Natural Resources / Forestry / GIS, Humboldt State University. Arcata, CA. May 2003. Graduate Project: "Developing a Geographic Information System Model to Predict Illegal Marijuana Cultivation Areas on Private Timberlands".

GIS Certificate: Humboldt State University. Arcata, CA. May 2002.

BS Degree: Forestry (Forest Management option) with a minor in Environmental Ethics, Humboldt State University. Arcata, CA. May 1998.

WORK EXPERIENCE

GIS Specialist: The Campbell Group Field office - Fort Bragg, CA. Working for a variety of departments including; Botany, Forestry, Fisheries, Wildlife, Engineering, Inventory, Silviculture, Archaeology, Hydrology, Geology, Acquisitions/Disposals, Administration, Operations and Upper Management. Update, maintain, and integrate spatial and nonspatial data into the Arc GIS environment and associated company databases. Digitize from; paper maps, USGS Quads, DOQs, and air photos. Review and edit existing and incoming data for accuracy, usefulness, quality, and documentation. The presentation of GIS data, including decisions of; cartographic elements, scale, and the addition of images, graphs, tables, and overlays to be included in mapping projects. Develop and perform spatial analyses in Arc GIS with Model Builder. Design standardized symbology sets for in-house and contractor GIS users. Train field crews to collect GPS information using Arc Pad, and integrate data into the GIS. Confer with users and supervisors to trouble shoot problems, and develop system or project requirements and goals. Train and instruct staff employees to use Arc GIS. Supervise and mentor GIS Technician. Coordinate with other field offices for assistance, establish consistency, and share knowledge. Earned The Campbell Group's "GIS Award of Excellence" in 2004. Office events committee chairman since 2004. Leadership team member since 2008. *Sept. 2002 to currently employed*

GIS Instructor: College of the Redwoods Mendocino Coast Campus- Fort Bragg, CA. Natural Resources class NR65 "Introduction to Geographic Information Systems". A 3 unit, university transferable science class. Lecture and lab format, using Arc GIS 9.3. Developed and taught GIS curriculum to 22 students. *Spring semester 2010.*

GIS Technician: Geographic Resource Solutions. Arcata, CA. Confer with GIS analysts to develop project strategies and protocols. Digitize from DOQs, update GIS layers and databases, and run line work checking processes. Projects include; railroad right of way work in Ohio, sidewalk locations in Redondo Beach, CA, and forest cover retyping in South Carolina. *Sept. 2001 to Aug. 2002*

Inventory Assistant: Simpson Resource Company (now - Green Diamond Resource Company). Korbek, CA. Forest timber cruising, and permanent plot studies. Cruise reports, summaries, and statistics. Stand cover-type mapping, procedure documentation, and data entry. Update GIS layers and databases, digitize from air photos, paper maps, and DOQs. Land acquisitions, collect/process GPS data, and program field data recorders. The supervision and training of new Forestry Technicians. *Aug. 1998 to Sept. 2002*

PERSONAL BACKGROUND

Associations:

- Boy Scouts of America (Eagle Scout Feb. 1992)
- Xi Sigma Pi Forestry Honor Society (since 1997)
- ASPRS (since 2004 - Certified Mapping Scientist - GIS/LIS Aug. 2004)
- Society of Conservation GIS (Since Dec 2009)

Interests & Hobbies:

Snow ski, lift weights, racquetball, read sci-fi, abalone dive, strategy board games, aikido martial arts, NFL football, garden, hike, camp, play with my dog, travel with my wife, and brewing homemade beer.
