

Jack Muir Smith, BS, PLS 7539 (CA), PLS 16923 (NV)

Education:
1988-1994

CALIFORNIA STATE UNIVERSITY, FRESNO
Fresno, California

Graduated with a Bachelor of Science in Surveying Engineering on June 1, 1994 with an emphasis on Geographical Information Systems (GIS).

**Business
Experience:**
2000-Present

MUIR CONSULTING, INC.
Corporate Office: Oakdale, California
Branch Office: Campbell, California

Founder and president of a surveying and mapping company launched in 1999. Company specializes in surveying, GPS, and Geographic Information Systems. Currently working on surveying and GIS projects throughout Northern and Central California. Incorporated in 2000. Clients include SBC, Envirocon, County of Alameda, City of San Francisco, BBL, and Mitchell Engineering. Projects include Pier 64 Clean-Up and Restoration (San Francisco), West Sacramento Levee, Colusa Levee, U.C. Berkeley Richmond Field Station Clean-Up and Restoration, Hillsdale Mall ALTA (San Mateo), McDonald's ADA Surveys (Fresno), Starbuck ALTA (N. California), AT&T/SBC/Pacific Bell Project Pronto (N. California), Half Moon Bay Water Table GPS Survey, Tiburon Yacht Club, and thousands of other projects throughout California and Nevada.

Spring 2006

CALIFORNIA STATE UNIVERSITY: FRESNO
DEPARTMENT OF GEOMATICS ENGINEERING
Fresno, California

At the request of Dr. James K. Crossfield, chair of the Department of Geomatics, taught as a Professor for three upper-level and one lower-level university courses offered during the Spring 2006 semester. Taught GME 16 (Municipal Surveying), GME 102 (Geodetic Surveying), GME 145 (Geopositioning, GPS Applications), and GME 159 (Subdivision Design). Responsible for course outline, lecture, assignments, testing, and grading. Overall weighted average score on all courses evaluated was 4.70, well above the department average of 4.33.

1998-2000

BRIAN KANGAS FOULK ENGINEERS
Redwood City, California

Worked as a Project Surveyor on large surveying projects throughout the Bay Area managing a team of five survey technicians and six field crew. Tasks included construction staking, ALTA surveys, plat and legals, topographic surveys, and record mapping. Construction projects included Oracle at Oracle Island Parkway, Opus at Sierra Point, Oak Valley Subdivision, and University Circle in East Palo Alto. Member of the AutoCAD survey standards committee.

1996-1998

CONDOR EARTH TECHNOLOGIES, INC.
Sonora, California

Worked as a Vertical Market Manager specializing in survey software product development for surveying, GPS navigation and GIS data collection. Project Manager for all sales and training for GIS data collection on the Millennium

Pipeline Project; a 400 mile, \$600 million natural gas pipeline from Lake Erie to New York City. In charge of beta and development testing for Condor's data collection software, PenMap for Windows. Project Manager for the OreNav product, a GPS/Glonass navigation product for mining applications. Responsible for the design and implementation of Integrated Mining System, including the OreNav product. Provided sales and marketing for PenMap software as it pertains to vertical markets, as well as technical support, reference materials, and training. Provided assistance to programmers by writing code in Visual Basic. Responsible for programming (html, Java script, FrontPage) and maintenance of the Condor web site (www.condorearth.com). GIS project manager for San Lorenzo Valley Water District GIS. Clients included Bechtel, Fluor Daniel, Phelps Dodge, Ashtech, Failure Analysis, and others.

Achievements:

- ◆ California Licensed Land Surveyor PLS #7539; Issued; July 23, 1999.
- ◆ Nevada Licensed Land Surveyor PLS#16923; Issued; January 13, 2005.
- ◆ Member of the Dean's Honor Roll five times.
- ◆ 3.16 GPA (overall), 3.65 GPA (surveying).
- ◆ Received the Psomas and Associates Scholarship in 1991.
- ◆ Received the Northern California Section of ACSM Scholarship in 1992 and 1993.
- ◆ Received the California Land Surveyor Association – San Joaquin Valley Chapter Scholarship in 1994.
- ◆ Named "GIS Student of the Year" in 1994 by Digital Matrix.
- ◆ Land Surveyor-In-Training ZL005184; Issued: July, 1993.
- ◆ Taught Infocad GIS workshops at CSU: Fresno Surveying Engineering Conference.
- ◆ Member of the American Congress on Surveying and Mapping (ACSM)
- ◆ Member of the National Society of Professional Surveyors
- ◆ Member of the California Land Surveyors Association (CLSA)
- ◆ Member of the Nevada Association of Land Surveyors (NALS)
- ◆ Member of Kiwanis of Oakdale; Board of Directors 2008
- ◆ Member of Oakdale Chamber of Commerce
- ◆ 1991-2007 Surveying Engineering Conference, *Fresno, CA*
- ◆ 1997 ACSM Conference, *Seattle, WA*
- ◆ 1992-1994 Western Fed of Professional Surveyors Conference, *NV*
- ◆ 1997 ESRI Users Conference, *San Diego, CA*
- ◆ 1997-1998 Ashtech Dealers Conference, *Santa Clara, CA*
- ◆ 1998 Society of Mining Engineering Conference, *Orlando, FL*
- ◆ 1998 Windows CE Developers Conference, *San Jose, CA*
- ◆ 1998 AM/FM International Conference, *San Jose, CA*
- ◆ 1998 CareerTech Time Management Training, *San Carlos, CA*
- ◆ 1999 Pacific Land Seminars, *Walnut Creek, CA*
- ◆ 2000 Liability IQ for Architect and Engineers, *Redwood City, CA*
- ◆ 2002 CORS Applications and Utilization, *Walnut Creek, CA*
- ◆ 2003 40 Hour Training, Hazardous Waste Operations and Emergency Response
- ◆ 2005 Skillpath Seminar Managing Employees, *Modesto, CA*
- ◆ 2005 BBL / Arcadis 8-hour LPS Training, *Walnut Creek, CA*
- ◆ 2005-2008 8 Hour Annual Refresher Course – Hazardous Waste Operations
- ◆ 2005 ACSM Conference, *Las Vegas, NV*
- ◆ 2006 Sexual Harassment Prevention for Supervisors (AB1825), *Fresno, CA*
- ◆ 2007 Union Pacific Railsafe Certification