

Michael F. Gishey

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Professional Summary

Friendly and enthusiastic Information Technology Specialist with 20 years of experience in GIS support of research scientists in the geology and biology departments of the USGS. Performed liaison duties with all 50 state Geological Surveys in getting their data loaded and available in the USGS National Geologic Map Database. Able to learn new tasks quickly and proficiently in growing key customer relationships. Represent establishment with professional demeanor at all times.

Skills

- Geography/GIS
- Service Orientation
- Critical Thinking
- Judgement and Decision Making
- Active Learning
- Complex Problem Solving
- Production and Processing
- Computers and Electronics
- Programming
- Research
- Troubleshooting
- Writing Reports

Experience

Information Technology Specialist

Apr 1994-Feb 2016

U.S. Geological Survey – Flagstaff, AZ and Tucson, AZ

- Provided GIS support to USGS research scientist using data obtained during field work. Field work involved gathering coordinates and attribute data from transect points in areas of interest using hand held GPS devices. Data was then input to ESRI ArcMap for analysis.
- Created map graphics using ESRI ArcGIS software and/or a combination of Adobe Illustrator and Photoshop.
- Proficient in the creation, georeferencing, conversion, editing and plotting of data using a combination of the above software and open source data from government and the private sector.
- Created map displays for the National Park Service's Grand Canyon Visitor center using ArcGIS software, Adobe Photoshop and Adobe Illustrator using freely available Digital Elevation Models and Digital Line Graph data.
- Used LT4X software to create Digital Elevation Models from scanned 7.5 minute topographic maps of areas lacking DEM coverage, mostly on Indian Reservations.
- Proficient in raster to vector data conversions using scanned maps and other image data.
- Some experience in using ENVI software for satellite image analysis and creation of models.
- Team member responsible for the development and maintenance of the USGS National Geologic Map Database (NGMDB).
- Created, maintained, and entered information into an Oracle database via a variety of methods, from bulk spreadsheet entries and by writing custom scripts, to data received via an input form.
- Created Perl CGI scripts to interface with an Oracle database to deliver custom web pages to support the NGMDB,
- Used HTML, CSS, JavaScript, and Ajax to create front end web pages to deliver information from the database to users emphasizing ease of use.
- Created input forms for State Geological Survey personnel to input their new map entries into the NGMDB .

- Ability to learn to operate new office technologies quickly as they are developed and implemented. Used Domino development software to create applications for Lotus Notes before the agency abandoned the software. Able to learn and understand any programming languages as needed.

Geographic Information System Technician

Aug 1993-Apr 1994

Colorado Plateau Research Station – Flagstaff, AZ

- Participated in and supported team planning efforts.
- Digitized natural resource information using ARC/INFO.
- Collected Global Positioning Systems (GPS) data using Trimble systems and software.
- Assisted with the purchase of new equipment.

Education

Bachelor of Science: Geography

Aug 1992

Arizona State University, Tempe Campus – Tempe, AZ

Cum Laude - GPA 3.53

References

Dennis McMacken

Mathematician – US Geological Survey

4575 N. Sun Copper Ct.

Tucson, AZ 85745

(520) 609-7860

David Soller

Geologist/Director of National Geologic Map Database – US Geological Survey

12201 Sunrise Valley Dr.

Reston, VA 20192

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Ron Ferriegel

IT Specialist – Maricopa County, AZ

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