

CHERYL KARRER THURMAN, GISP

Principal, GIS Manager

25+ YEARS OF GIS EXPERIENCE

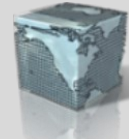
TerraSystems Southwest, Inc.

1998-2022

Principal, GIS Manager

- Conducted numerous GIS support projects since 1998 ranging from strategic planning/implementation or complex data conversion efforts
- Active in several local & statewide GIS professional organizations
- Extensive network of public and private GIS data providers & experts throughout Arizona
- Managed, architected & implemented multifaceted GIS Projects including:
 - ⇒ **NextGen 9-1-1 Data Improvement Project (NDIP)** - plays a critical role in the State of Arizona's migration to Next Generation 9-1-1, providing GIS support services for the State of Arizona 9-1-1 Program Office related to the assessment, development and enhancement of 9-1-1 GIS data layers including street centerlines, address points, ESN/ESZ boundaries and community boundaries. Oversees Address Pt correction efforts. Responsible for street network attribute correction/update (address range, st name, community name), which impacts statewide geocoding locators used in many State depts/agencies such as ADHS. Mapped legal descriptions for jurisdiction, Fire Dept/Dist, and EMS boundaries, registered to authoritative control. Identifying and correcting GIS errors within 9-1-1 GIS data layers critical to ensure conformance with the Attribute Accuracy Requirements of the AZ 9-1-1 GIS Standards. Vigorous QA/QC procedures were developed and applied, allowing for the correction of many errors in the ESZ/ESN boundaries, addressing and street naming components of the dataset, which is critical in E911 emergency response applications.
 - ⇒ **ADHS Medical Mapping Project** - assisted in the development of workflows and complex QA/QC procedures for creating statewide street network and address point geolocators to facilitate geocoding of large volume (1 million + records) medical based records requiring 100% geocoding accuracy. She supervised the Vital Statistics mapping request of geolocated birth/death records statewide. Ms. Thurman supports QA/QC questions from staff related to difficult/unusual address situations. She is crossed trained in all aspects of project activities including Daily Mapping and Monthly reporting.
 - ⇒ **ASLD Right-of-Way Conversion Project** - Project Manager of this complex data conversion effort for 24,000 historic and current ROWs. ROW legal description researched through the State's document archival system. ROW is mapped accordingly using a variety of geospatial mapping techniques including COGO, buffering, georeferencing of electronic maps, or direct digitizing using location descriptions and imagery. Innovate SOPs, workflows & QA/QC techniques have been developed to speed data conversion while maintaining a necessary high level of accuracy.

TSSW



CONTACT

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EDUCATION

University of Arizona - BS
Geosciences, Business

CERTIFICATION/ AFFILIATIONS

- **Certified Geographic Information Systems Professional (GISP) - since inception: 2009**
⇒ Cert #: 61808
- **Arizona Geographic Information Council (AGIC)**
 - ⇒ Outreach Committee Co-Chair 2015-present
 - ⇒ Outreach Social Media Co-Chair
 - ⇒ Conference Committee Maps & Apps Co-Chair 2009-present
 - ⇒ 9-1-1 Committee Member (2014-present)

SKILLSETS

- Management of 10+ Analysts, Technicians, Independent Contractors/Subcontractors
- 25+ years Esri software experience—ArcGIS Suite - 10.x; ArcGIS Server, ArcSDE, ArcGIS Online, ArcGIS Pro
- Advanced Spatial Analyses
- Advanced Editing/Complex Data Conversion Workflow Design & Implementation
- Geodatabase Design
- Expert Image Interpretation
- Legal Description creation, interpretation & mapping
- Publication quality cartography
- Expert training & technical support capabilities