

SYNTHOS LLC

CUSTOM SOLUTIONS USING A FLEXIBLE,
CREATIVE APPROACH



Key Offerings, Skills and Capabilities

Geographic Information Systems (GIS) & Mapping

- GIS Consulting Services, Mapping and GIS Services.
- GIS Data Creation and Editing.
- Full Life Cycle GIS Project Development.
 - Needs assessment and planning.
 - Data collection and fieldwork (GPS, Field mapping, Web research, research sources, etc).
 - Data import, cleanup, verification, manipulation, file conversion, documentation.
 - Project setup, Data Management, Statistical and Spatial Analysis, Map creation, Graphics, Map Export, Web Maps.
 - Raster analysis, modeling, Decision Support.
 - Final Reports and FGDC Compliant Metadata.
- Custom Scripting, Python, Custom Interfaces, Multimedia embedding.
- Map Books, CAD to GIS Conversions, Volumetric calculations.
- Expert in ESRI ArcGIS Suite of products, Spatial Analysis, ArcGIS Pro.

GPS/GNSS Data Collection and Survey (Global Positioning System/Global Navigation Satellite Systems)

- Trimble and US NGS trained.
- Expert knowledge of Mapping Grade and Survey Grade GPS Systems.
- Trimble Business Office, Trimble Pathfinder Office, TerraSync.
- Experienced with a variety of Trimble GPS/GNSS Receivers, procedures, field techniques, and problem solving. Real Time (Rtk, Rapid Static, and Post Processed).

Client Support Services

- Understand client needs and design GIS applications in accordance
- Analyse end user issues and provide solutions
- Create demos and guides to explain GIS application use to customers
- Provide maintenance and support of GIS applications and mapping systems
- Assist in quality assurance checks on GIS system and recommend updates or new techniques when applicable
- Data entry, conversion, and maintenance
- Recommend alternative and/or specialized Software and Hardware as appropriate.
- GIS and GPS Customized Training, demos, and mentoring.

Synthos Strategic Partners

We partner with companies and individuals who provide specific expertise in various fields that compliment and enhance our GIS suite of services. Through our Partners we offer:

- Custom Scripting, Python, Custom Interfaces, Multimedia embedding.
- ESRI product custom scripting and customization.
- Website mapping interfaces for computer and smart phone access.
- Custom Smartphone App development.
- We interface with and include various data formats including:
 - Satellite and, Aerial Imagery, Drone/UAV Imagery.
 - Multi-Spectral Imagery: Various Formats.
 - LIDAR, GPR (Ground Penetrating Radar).

Industries Served | A partial list:

- Environmental investigation, assessment, rehabilitation & restoration.
- Facility and Asset Management.
- Utilities: Electrical, Gas, Water, infrastructure and operations.
- Federal and State Government.
- Wholesale, Retail, and Non-Profits: Site selection, specialty mapping.
- Energy Sector: Wind, mining, networks.
- Emergency Preparedness and Response.
- Marine Research, Resource Management.
- Recreation: Campgrounds, Natural areas, attractions.
- Cemeteries, Religious and Social Justice organizations.
- Schools and School Districts: Demographics, Marketing, Planning.
- Indian Tribes/First Nations/Indigenous communities.

Tom Simon, M.S. Geography | President

✉ Current Clients: tom@tomjsimon.com

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SYNTHOS LLC

GPS, GIS, Mapping, & Analysis Solutions

* For US Federal Clients

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Capability Statement

Synthos is an agile and responsive solutions provider for all your GIS and mapping-related needs. Synthos offers comprehensive GIS mapping and data management services for a variety of clients and market sectors. We offer consultation on the wide variety of data collection, mapping and GIS options available, and suggest the most appropriate and cost efficient solutions for each client's need.



Core Competencies:

Geographic Information Systems | GIS

- Project planning and setup
- Data conversion and integration
- Mapping and analysis
- GIS data geo-processing
- Map production and reporting

GPS/GNSS Mapping

- Mapping and survey grade
- Field data collection
- Data processing
- Accurate data collection and QA/QC
- Experience working in remote locations

Project Management and Technical Support

- Defining project scope and cost estimates
- Set clear expectations
- Software needs assessment and consulting
- Coordinate with other contractors and stakeholders
- Environmental project support
- Multi-dimensional, focus on combining diverse tools and approaches.

Key Personnel:

Tom Simon, M.S. Geography

- 20+ years in the GIS field, serving Federal Clients
- Expert GPS and GIS problem solving skills
- Specialize in data conversions and working with non-standard data
- Energetic, "can do" attitude, collaborative approach
- Experience with Native American/First Nations communities

Zita Simon, B.S. Mathematics

- Project Oversight and Management
- 20+ years professional QA/QC experience
- Software Engineer
- Expert database and spreadsheet developer

Past Performance:

- NOAA Pribilof Islands Environmental Restoration Project
- NOAA Environmental Compliance Support
- NOAA Environmental Management Systems
- BLM Transportation Management Plan
- Street light energy upgrade mapping support
- EPA Superfund Site mapping support

NAICS Codes:

541370: Surveying and Mapping Services
541620: Environmental Consulting Services
541720: Research and Development: Social Sciences
541990: Other Professional, Scientific, and Technical Services
562910: Remediation Services

Product Service Codes:

7643: Topographic Maps, Charts, and Geodetic Products
7644: Digital Maps, Charts, and Geodetic products

F112: Environmental Systems Protection - Oil Spill Response
T002: Cartography Services
T004: Charting Services
B510: Special Studies/Analysis-Environmental Assessments Special
B520: Studies/Analysis-Grazing/Range
B524: Mathematical/Statistical Analyses
B525: Natural Resource Studies
B526: Special Studies/Analysis - Oceanological
B527: Recreation Studies
B599: Other Special Studies and Analyses