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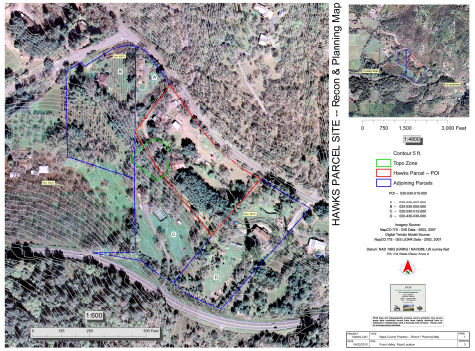
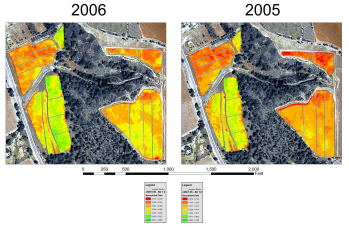
JERALD P. MILLER
Professional Land Surveyor

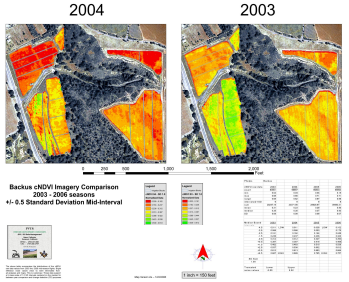
PVTS
VINEYARD DEVELOPMENT CONSULTANTS
GPS / GIS Data Management
WWW.PVTS.NET

SURVEYING, MAPPING & GEOSPATIAL CONSULTANTS

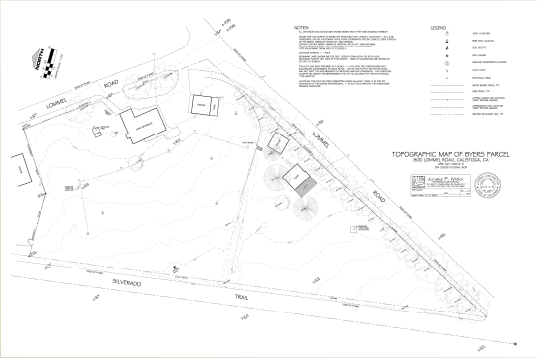
COMPLETE GEOSPATIAL SERVICES
over 30 years combined experience







Example of Survey Mapping



What is Land Surveying?

In California, a licensed land surveyor is considered to be an unbiased steward of the public and private cadastral lands. He or she is trained to plan and perform high-order measurements for boundary, construction and civil engineering projects.

Boundary Surveys

Cadastral surveys involve the description and location of property boundaries and easements on the surface of the earth.

Control and Geodetic Surveys

Control surveys involve setting reference locations for all other types of surveys and geospatial projects. Geodetic surveys involve setting control over great distances where curvature of the earth affects the results.

Topographic Surveys

Topographic and bathymetric surveys are involved with locating fixed works and features above, on and below the surface of the earth or a water body.

Construction Surveys

Construction or staking surveys are where design features are transferred from a set of plans to the actual physical construction site surface.

What are Geospatial Services?

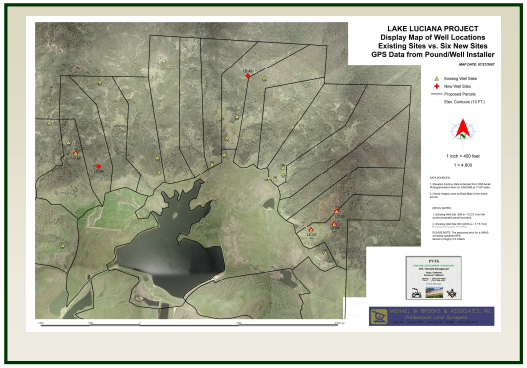
Geospatial services involve non-spatial data linkages between mathematical models representing geographical features. They also include professional engineering or scientific analyses for various industries or businesses.

Raw geospatial field data are acquired or collected at a level of precision and accuracy that is principally performed by land surveyors. Attributed geospatial data are field data linked to non-spatial databases containing specific information for the project, map or model features.

Geospatial services also include the correct design of a geospatial project, acquisition of precise field data, the proper methods of database creation and of spatial and non-spatial data linkages. Examples follow:

- ***Land Surveys: satellite, aerial and terrestrial***
- ***Engineering Studies and Surveys***
- ***Environmental, Geological and Hydrological Studies***
- ***Biological, Botanical and Ecological Studies***
- ***Architectural and Landscaping Projects***
- ***Agricultural Facilities Maps and GIS***
- ***Commercial Facilities Maps and GIS***
- ***High Definition 3D Laser Scanning***

Example of Geospatial Mapping for GIS



What We Provide to Our Clients

As practicing land surveyors and college instructors in land surveying, civil engineering and GIS; the collaborative efforts of Jerry Miller and PVTS can deliver accurate and detailed surveys and comprehensive geospatial analyses tied to survey-grade field locations of the respective projects or models. The team also provides up-to-date seminars and training in all areas of Geospatial Analysis, field data collection, surveying and mapping.

We serve the private sector, public sector, professional engineers and other land surveyors.

Allow us to provide you with a quote for your next project.

Land Surveys and Project Consulting

- ***Control***
- ***Boundary***
- ***Elevation Certificates***
- ***Topographical, Bathymetric***
- ***Construction***
- ***Geodetic***

Geographic Information Systems (GIS)

- ***Development***
- ***Management***
- ***Instruction/Consultation***

Facilities Mapping
Building Information Models
Precision Agriculture Technology

Aerial Photogrammetry
High Definition Laser Scanning
Aerial and Terrestrial Remote Sensing

Custom Mapping

Focused Seminars in Geospatial Mapping, Land Surveying and Exam Preparation