

Survey Services

“We Lay the Groundwork for Success”

OVERVIEW

Condor is internationally known for its real-time field survey and mapping technology. Our PenMap® product is used worldwide for cadastral, land survey, specialized mapping, field data collection, and navigation by private and government organizations.

STATE-OF-THE-ART TECHNOLOGY

Our field instrumentation includes the latest in GPS technology, reflectorless laser ranging equipment, total stations, and other analog & digital field data collection instruments. We feature state-of-the-art Trimble 5700 RTK/GPS systems, providing instantaneous (real-time) coordinates to a distance of six miles.

CAPABILITIES

Our Survey services include:

- Millimeter Level GPS
- Hazardous Waste Sites
- Control Surveys
- Pipeline Surveys
- Right-of-Way Surveys
- Boundary Surveys
- Topographic Surveys
- Cave & Tunnel Surveys
- Bathymetric Surveys
- Cadastral Retracement
- On-site Data Assessment
- As-Built Surveys
- Stockpile Surveys
- Geologic Mapping
- Deformation Studies
- Aerial Control
- GPS/RTK Services
- Records of Surveys
- Legal Descriptions
- Construction Surveys
- A.L.T.A. Surveys
- Real-Time Mapping

GPS SPECIALIST

Condor's survey division specializes in providing GPS control and GPS topographic surveys. Projects are easily referenced to national horizontal and vertical datums for simple integration to Geographic Information Systems (GIS). “Unlimited distance” control and corridor surveys are easily accomplished by using GPS “Static” and “rapid static” techniques.



Survey control can be easily established on construction sites and can be effortlessly restored. Upwards of 900 topographic points (at centimeter level) can be collected per day by a single Real-Time Kinematic (RTK) operator, with the average shot taking approximately five seconds to collect.



SPECIALIZED SURVEY EQUIPMENT

Pulse Laser (Reflectorless) Electronic Distance Measuring Instruments (EDM) - millimeter level precisions achieved without a retro-prism for inaccessible areas.

Geodetic Grade Dual-Frequency GPS Real-Time Kinematic Systems (RTK) - instantaneous centimeter level precision. Millimeter-level precision is attainable with our advanced post-processing techniques.

PenMap® Software - a comprehensive real-time surveying, mapping, GIS data collection, and navigation software. PenMap enables the operator to collect data with more than 90 field sensors including GPS, total stations, laser range finders, digital cameras, depth sounders, environmental sensors, and the new Fujitsu PC.

Trimble 5700



Fujitsu PC



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Survey Services

A LIFETIME OF EXPERIENCE

Experience, state-of-the-art technology, and dedicated staff make it possible for Condor to provide professional survey and mapping services economically and effectively to its clients.

Our GPS staff has presented seminars on the "Understanding of GPS Surveying" at national conferences, and has had articles published in national and international trade journals.

Field staff credentials include degrees in Engineering and Applied Science, with over seventeen years of combined field experience.



Clients can expect our surveys to be highly accurate, quickly executed, and state certified by licensed land surveyors. Whatever our clients' "positional needs" we can meet them at competitive prices.



CLIENTS SERVED

Condor provides a full-range of professional surveying services which are supported by geotechnical, geological, hydrologic, and civil engineering capabilities. Our client base draws from mining, industry, agriculture, schools, hospitals, and government agencies.

Our clients include:

- U. S. Borax
- Tuolumne Utilities District
- Foster Farms
- Chevron
- Calaveras County Water District
- East Bay Regional Water District
- Sutter Home Winery, Lodi
- City of Long Beach
- Manteca Unified School District
- Burlington Northern Sante Fe Railroad
- City of Phoenix

SUPPORT SERVICES

Earth Sciences - Experts in geotechnical engineering, environmental engineering, geology, hydrology, hydrogeology, construction materials testing and special inspections.

GPS Mapping and Inventory - Mapping and inventory of utilities and other infrastructure using the latest in GPS equipment providing real-time field display of all mapped features using PenMap software.

AutoCAD Drafting - AutoCAD version 2000 workstations.

GIS Studies - Studies for natural resources, municipal, and other special requirements for spatial management of survey and map data information.

Regulatory Compliance and Planning - Compliance with environmental regulations, in-house planning and permitting assistance.

Field Data Collection - Real-time collection of all types of infrastructure, natural resource, engineering & AutoCAD data.