



A PREVIOUS PROJECT

Dow GeoSpatial assisted with a mapping project for a 650-acre ranch for a new development.

The project was to obtain imagery and process data to provide contours, and slope to analyze land features.

We identified and completed a researched area and created a preliminary surface report for the land owner to provide due diligence in the sale of his ranch for new development opportunities.



DATA AND AERIAL CAPTURE

Parcel identification and locate can be researched for correct parcel data capture and for autonomous route planning. Shapefiles can be uploaded into your flight mapper for precise aerial data capture for the most important details.

- Shapefiles (.shp)

ABOUT US

Dow GeoSpatial provides high quality aerial imagery capture and aerial mapping services. sUAS (drone) mapping brings near real time, on demand, project specific data to you at an affordable price and a short turnaround period for all your aerial needs.

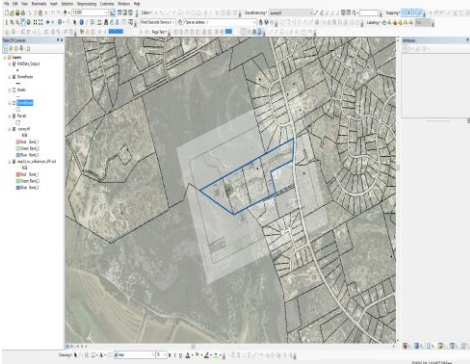
We can assist with autonomous flight shapefiles for projects that you may be managing from afar to data processing of imagery captured per project.

A project preliminary land surface report can consist of Orthophotography, Contours, Digital Elevation Models and 3D Mesh that can be used for modeling and analyzing captured data. These data outputs can then provide you with a fine, detailed mapping solution for your real estate property, new development, structure inspection, pre and post construction site progress, utility locate or land management plan.

*“We provide data acquisition, software integration, presentation and archival storage.
A full drone service provider”*

RESOLUTION “FREE” IMAGERY VS. UAS HIGH RESOLUTION IMAGERY

sUAS (Drone) Imagery	Satellite Imagery
Real Time-on demand	Google and TerraServer, Digital Globe, USGS, Sanborn Updates are less frequent, General populated areas, yearly Smaller cities ,2-3 years Rural areas, less frequent *project area may not be included
Heights- vary by project 400ft	Altitude of 450km or 279 miles varies by provider
1-5 cm accuracy (0.5”-2”)	6” -12” inches
Quality – best	Good for overview

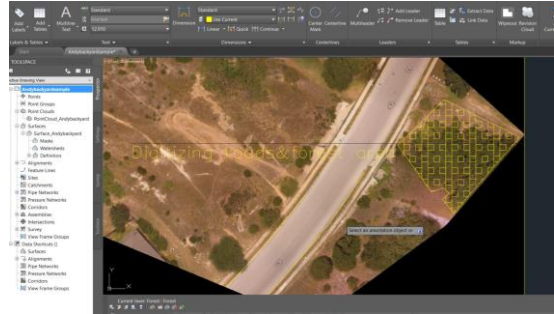


Parcel Research and autonomous route planning

DATA OUTPUTS AND SOFTWARE INTEGRATION

The capture of high resolution imagery will then be processed to create the highly georeferenced elements for your project.

- OrthoPhotos
- Contours
- DEM
- Point Cloud (.las)
- GIS Integration
- AutoCAD Integration



The orthophoto references a real world location, this shows the true relation to the earth's surface keeping the distance value accurate. This can then be used for measurements that are needed throughout your project plans. In integrating near real time data into other softwares such as AutoCAD and GIS workflows the timeliness of data achieved will catapult your project to completion and success.

- Volume Estimations



Volume estimates can guide decisions about whether to extract or process more material to fill construction or production sites.

CONSTRUCTION AND INSPECTION

- Project Planning
- Façade Inspection
- Product Delivery
- Dispute Resolution
- Health & Safety
- Construction Photos & Video
- Earthworks Management
- Site Monitoring
- Inspecting Structures

LiDAR is available

Keeping your project on track and on budget with the aerial information we can provide