Experiment Description: SHARE 2012 (September)
Input required by June 15th

Investigator: Erin Ontiveros

Support Crew: TBD – if any 3D grad students

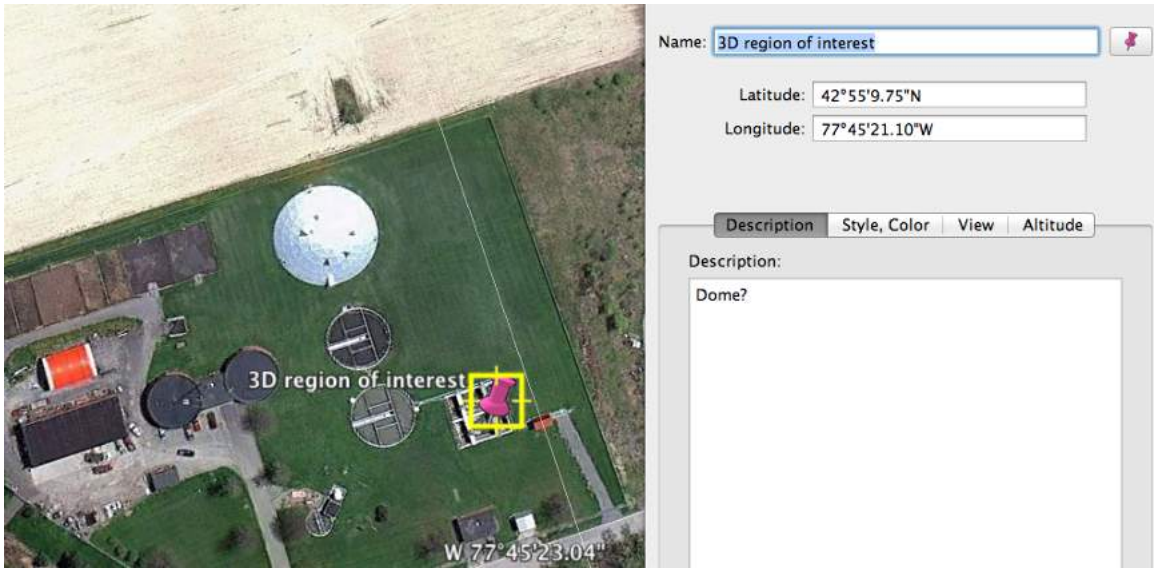
Short Title: 3D Reconstruction

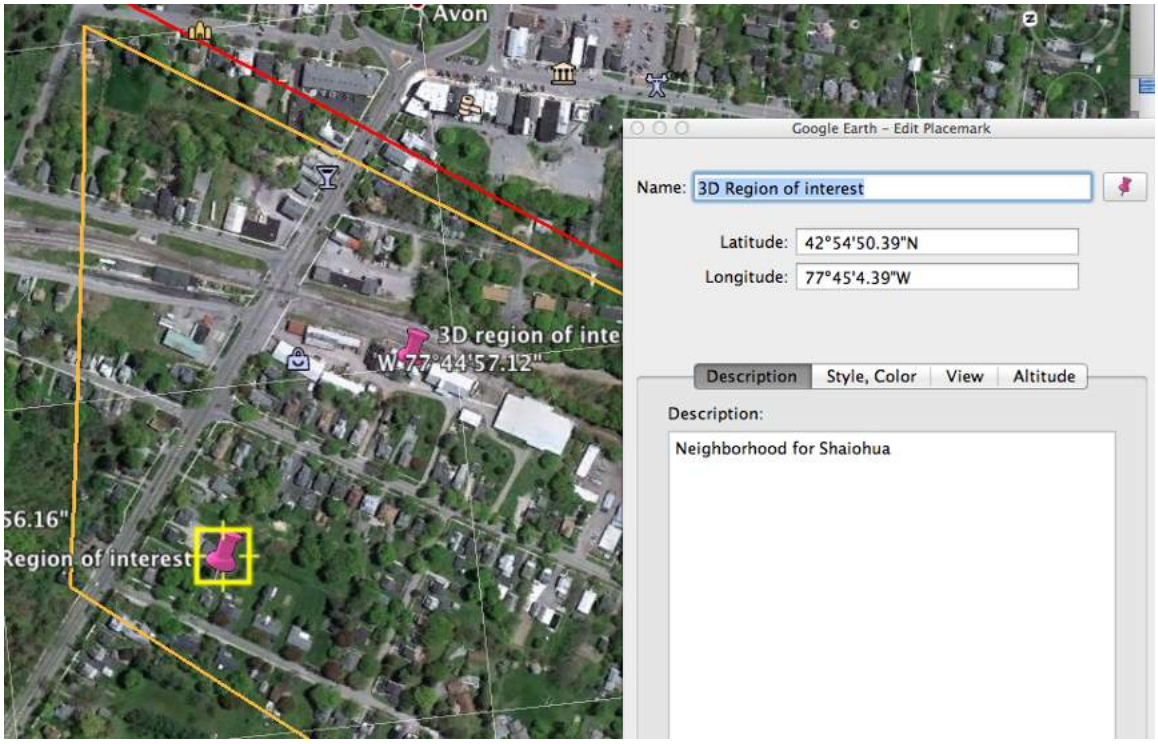
Objectives: Data used for exercising the 3D workflow, geo-bundler, and student research. Objective is to find interesting geometry and be able to reconstruct the structure in 3D. Potential pairing LIDAR and aerial imagery.

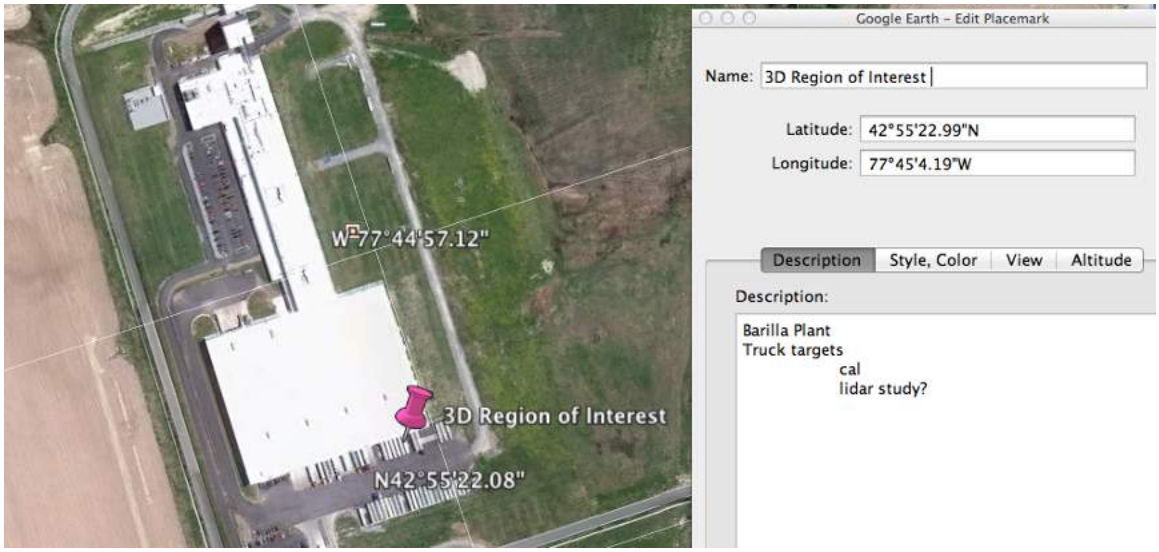
Deployments: TBD – May deploy some ground targets with known elevation and texture.

Flight Lines:

Roi's


3D region of interest
W 77°45'23.04"
Name: 3D region of interest
Latitude: 42°55'9.75"N
Longitude: 77°45'21.10"W
Description
Style, Color
View
Altitude
Description:
Dome?


Avon
3D region of inte
W 77°44'57.12"
56.16"
Region of interest
Google Earth - Edit Placemark
Name: 3D Region of interest
Latitude: 42°54'50.39"N
Longitude: 77°45'4.39"W
Description
Style, Color
View
Altitude
Description:
Neighborhood for Shaiohua



Flight Constraints:

Minimally 40% overlap preferably higher, as high overlap as we can get Also, would like more complex flight lines having multiple looks NS-EW-Diag.

Ground Truth Required:

Will be inquiring about partnering with the survey team on campus. This most likely can be done prior.

Equipment:

Don't forsee any equipment outside of potential subject targets.