

## Summit Utilities Pipeline 2014 Lake of the Ozarks, Missouri

### Project Overview:

CompassData located and surveyed approximately 290 linear miles of natural gas mainline, 60 miles of service line and 2500 gas meters. This buried pipeline weaved across the rugged shoreline of Lake of the Ozarks, some of the most difficult terrain to navigate in the country. The survey covered both rural and urban areas, so our surveyors had to be flexible. The surveyors also documented issues with the newly installed pipeline (i.e. incomplete installation, shallow depth of cover, meter not installed, etc.) by taking georeferenced photos. CompassData surveyed and delivered all of the pipeline and gas meter data on time and within budget.

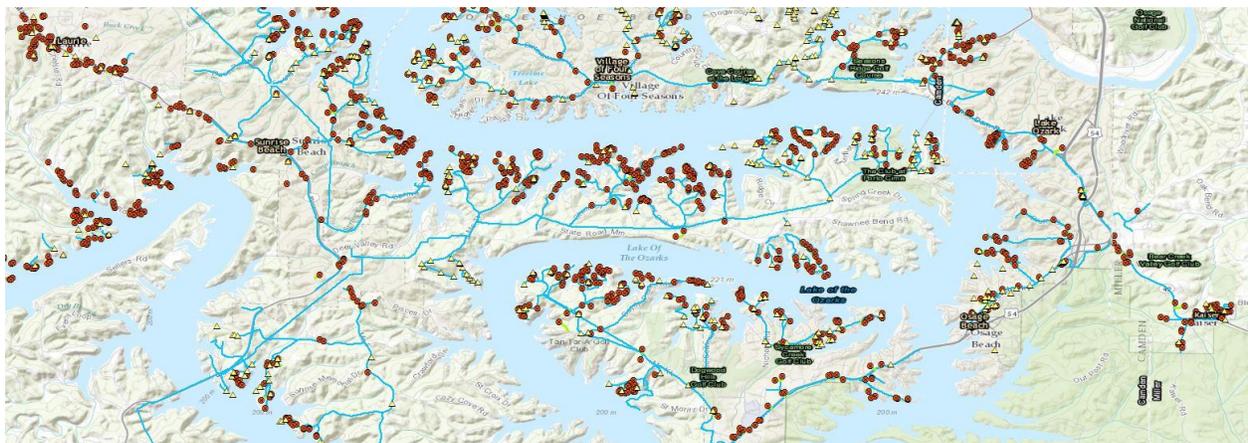


## Summary of Work:

CompassData surveyors traced, located and surveyed mainline, service line and gas meters for a two-month period. The data was submitted to our office for post-processing on a daily basis. The MoDOT VRS network was used to ensure the most accurate data possible. For private property we incorporated laser rangefinders into our workflow to create distance-distance offsets. We also collected metadata and site photos at every gas meter and every problem area along the pipeline.

CompassData added to Summit Utilities' pre-existing GIS dataset by not only collecting the data on the ground, but also post-processing the data so that it could be ingested into their internal GIS database. This ensures that the data is available for use across the company, allowing easy locating and servicing of meters and efficient repair and maintenance of pipeline.

CompassData's experience with post-processing data includes differentially correcting data from the field and incorporating it into a customized geospatial dataset so that the information can be included in ESRI® mapping software or in any other digital map program. All surveyed data was corrected to sub foot accuracy both in the horizontal and vertical datum's, being verified against the collected National Geodetic Survey monuments.



**Sample of Summit Utilities Pipeline overview**