

## Education

BS, Geology with emphasis in Geoarcheology, Western State Colorado University

## Areas of Relevant Expertise

- ✓ Mapping applications, including ESRI ArcGIS Suite, Google, Global Mapper
- ✓ GPS applications and equipment
- ✓ Geoarcheology
- ✓ Structural geology
- ✓ Sonar, satellite, and aerial imagery
- ✓ LiDAR
- ✓ Raw data conversions
- ✓ Stratigraphy
- ✓ Lab analysis
- ✓ Tripod Data Systems (TDS) land surveying software
- ✓ Python and SQL programming languages

## Training and Certifications

- ✓ Archeology Field School, Rio Bravo Conservation Area, Belize
- ✓ Geology Field School, Gunnison County, Colorado
- ✓ Operating Unmanned Aircraft Systems (UAF)

## Years of Experience

With This Firm: 2.5

With Other Firms: 3

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## Experience Summary

Ms. Wilson is a graduate of Western State Colorado University, where she studied Geology with an emphasis in Geoarcheology as well as Geography and Geospatial Analysis. After completing field school programs in both geology and archeology, Ms. Wilson worked professionally as a data acquisition technician, data analyst, and GIS technician and analyst in both the public and private sectors. Ms. Wilson is proficient in compiling, manipulating, and analyzing large data sets using numerous programs, including Python and SQL programming languages. She has experience utilizing raw data conversion techniques to digitize data with GIS applications such as Global Mapper, ArcGIS, and Pitney Bowes products, as well as GIS tools such as sonar and aerial imagery. Ms. Wilson has conducted field work that includes aerial surveys, GPS ground surveys, and camera operations. At Horizon, Ms. Wilson manages Horizon's GIS mapping department, preparing presentation graphics for technical reports and permitting packages for a variety of project types and phases.