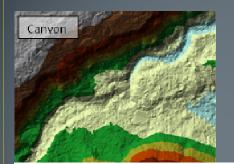
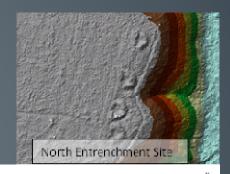
Colonial Heights Discovery of Civil War sites using Lidar

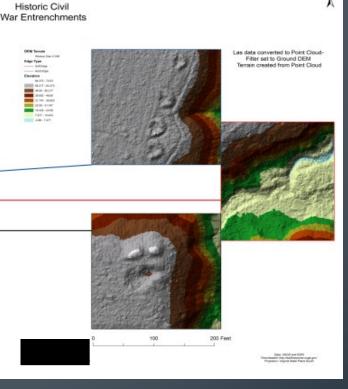
Located along the Appomattox River the city of Colonial Heights was a crucial part of the Dimmock Line which served to protect the Confederate headquarters of Robert E. Lee. With this knowledge in mind, the Geospatial Semester students at Colonial Heights High School investigated the fields located behind the school's vocational building and found several depressions that the class believes to be Civil War excavation sites. These points were found by creating DEM Terrains from local LiDAR data for the area. The suspected site includes six entrenchments, four located above a small gully that may contain one entrenchment and one under the gully. The class believes these sites were used as part of the Dimmock Line which protected the headquarters located in Colonial Heights, Virginia.

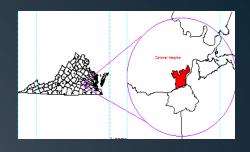














Overview of procedures:

- Downloaded data from a Earth Explorer to begin the process of analyzing the area of interest.
- · Created a LAS data set
- Created a multi point cloud using the LAS data that was downloaded.
- A terrain was made using the point cloud.
- Class code 2 was used in the making the point cloud and terrain to remove tree canopies and other surfaces.
- Sites verified at the Violet Bank Museum. (Museum site of General Lee's headquarters' campaign.)

Colonial Heights Geospatial Methods and Analysis Class