

Preston Hudlow

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GEOG 462

Assignment 3

Question 1: What are the projection and coordinate system of **ODU points**?

The random points use Transverse Mercator with a NAD 1983 UTM zone 18N coordinate system.

Question 2: Discuss the distribution of elevations on ODU main campus.

With the information collected the distribution of elevation varies around campus. The actual layout is flatter but with highlands and lowlands which gave us positive and negative elevations. For the most part the positive values were clustered together and the negative values were dispersed randomly throughout the data. The areas of high elevation included points close to the water and on campus whereas the negative values were found in the neighborhoods within the top campus boundary.

Question 3: What challenges have you experience in the field and how did you solve the problems if there are any?

Some of the challenges were the areas of the random points. They were inaccessible so we got as close to the original point and wrote down the new coordinates to represent the correct location.

Question 4: Use one paragraph (≥ 5 sentences) summarizing what you have learned in this assignment.

This assignment has taught me a lot when it comes to data collection. Being able to walk around with the GPS device and utilize its features I was able to gain experience in the field work. I have learned that when creating random points, the software does not take into account inaccessible areas. It has also shown me that when running into an issue there are multiple methods to solve the problem. I also learned how to create waypoints and use the gps to find my way to the next waypoint, and how to collect elevation of the location.

