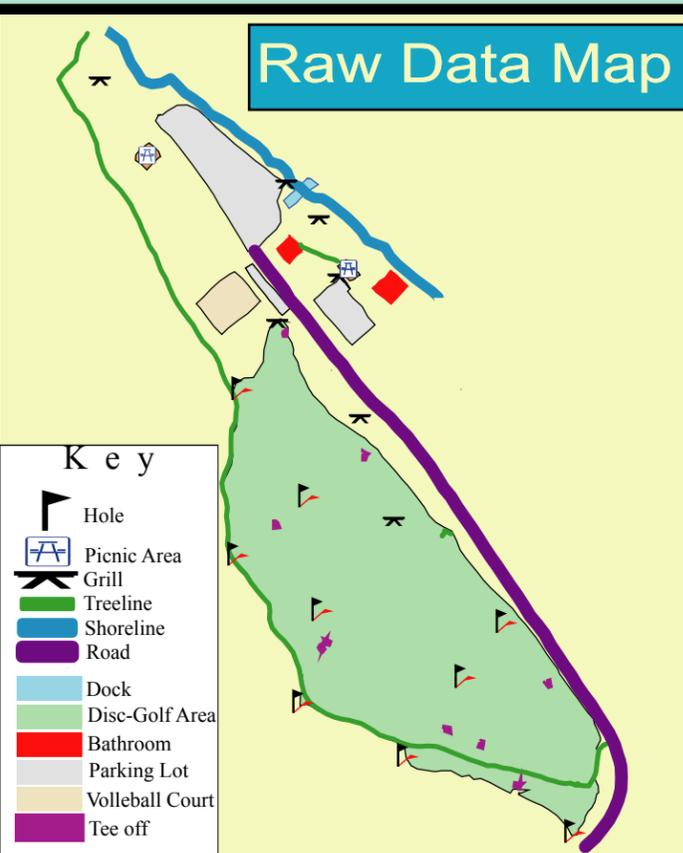


Mt. Simon Park

Geography 199 Project

By Brandon Cramer and Mike LeMoine

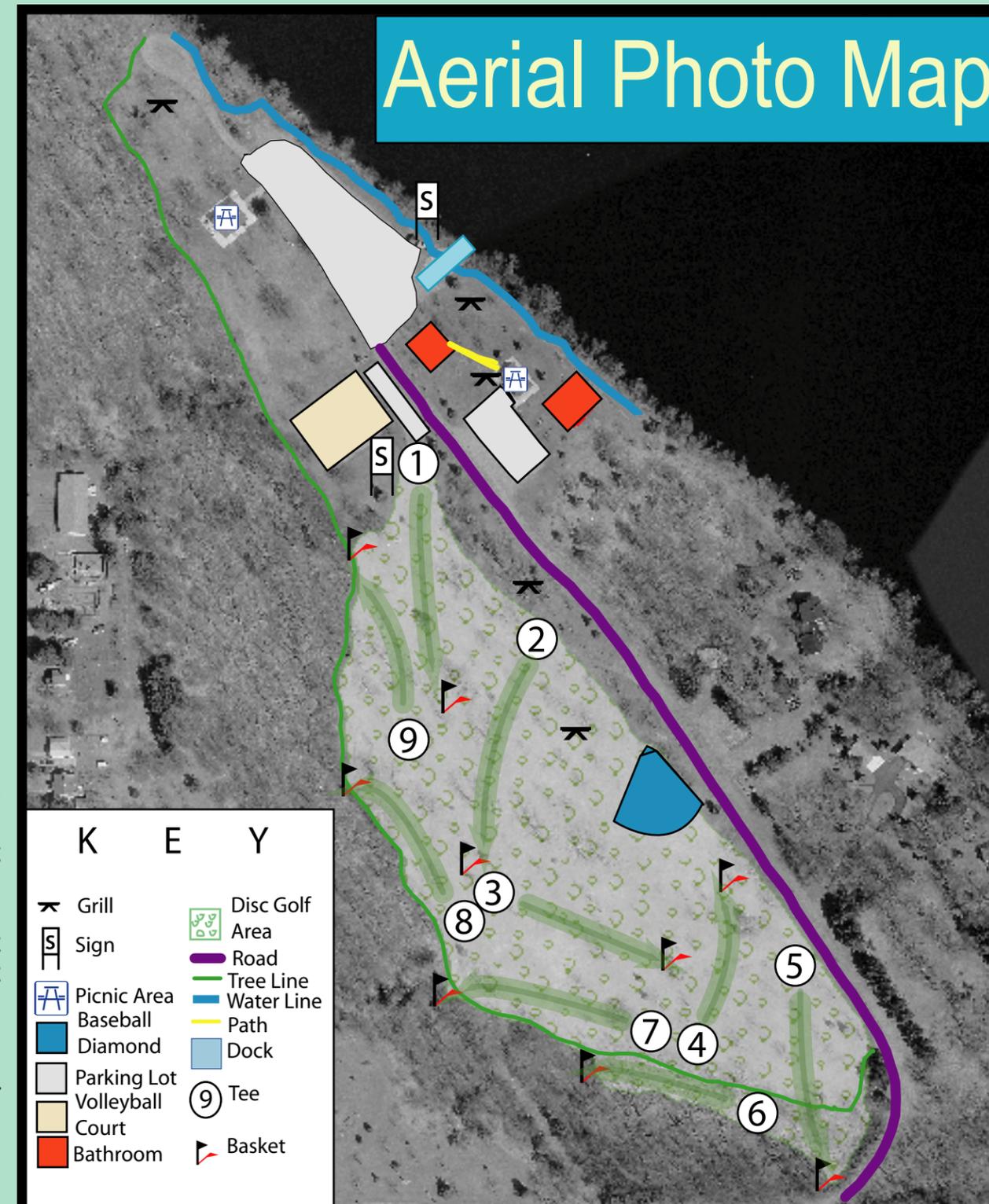
Raw Data Map



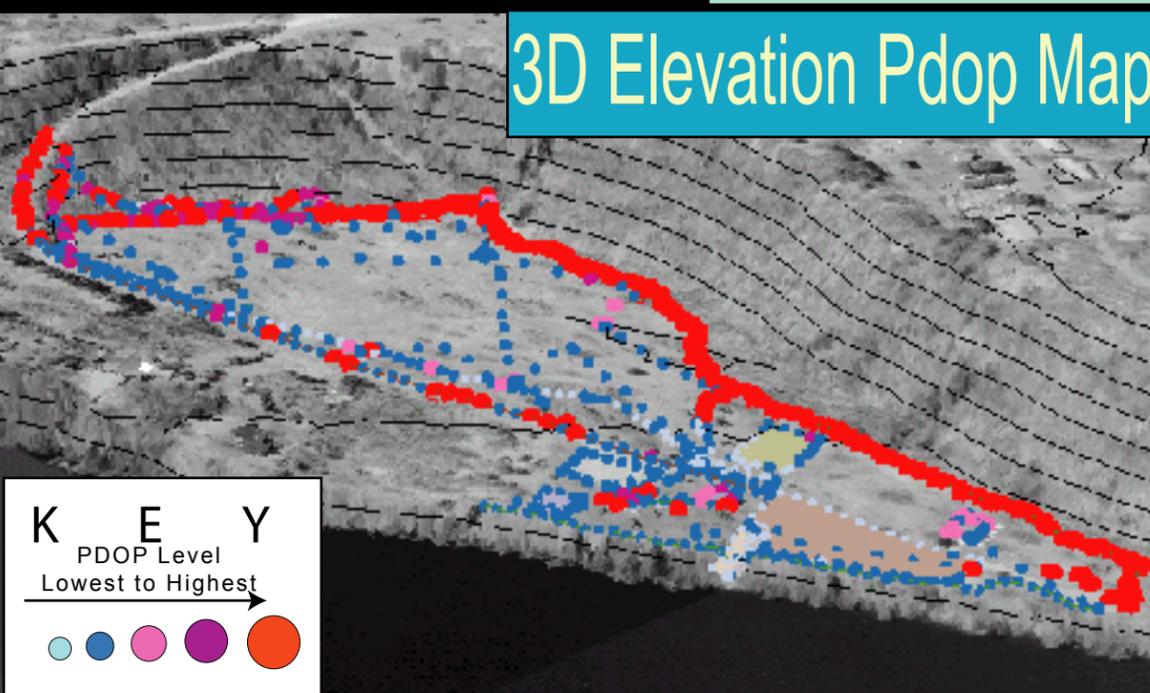
We went out to Mount Simon Park with two GPS units and mapped the disc golf course and surrounding area. The map to the left shows the raw data we collected from the GPS units. However, we did color-code the data, add symbols, and make a legend so the map would be easier to understand. We discovered several errors when after we downloaded our data such as grill symbols marked where park signs were supposed to be, high pdops led to oddly shaped tee offs, and many of the rectangular buildings and areas had irregular shapes.

The map to the right shows our final draft. We took the data we collected from the left and added an Aerial photograph to give our map more reference points. We also fixed some of the errors that came from our first set of data. This included changing the grill points to sign points. We straightened the lines on our data collection for the buildings and parking lots. To make our maps easier to read we added a few extra features in to the map. There are now pin and basket symbols to show the disc golf course better. To help see the flow of the disc golf course we added arrows that symbolize the fairway. The baseball diamond was something we did not completely map with our GPS units, so we added color to show the full area

Aerial Photo Map



3D Elevation Pdrop Map



The map to the left shows the pdop levels around the areas we mapped in the park. The map clearly shows that the region with the highest p-dops was near the treeline, which was because the large bluff next to it affected the number of satillites that our GPS units could receive. The areas with the lowest pdops were along the shoreline because of the wide open spaces that allowed our GPS units to get the maximum number of satillites possible.