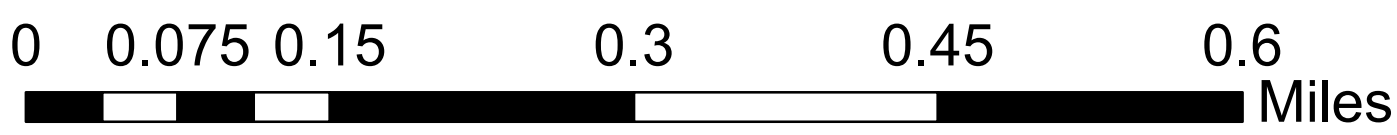








Pilot Knob

Map by Derek Thomas
NRE 355 - Fall 2016
Using Kentucky State Plane Coordinate System



This trail was hiked on September 21st, using a geospatial mapping application on an iPhone, using this app we were able to map the trail to detail exactly what the trail looks like. This trail data was converted onto ArcMap. Within ArcMap, this data was used to make a 10m DEM layer, this DEM layer was then used to make a hill shade of the data looking at the elevation of the pilot knob area. Then a NAIP was made, NAIP is used to make a NDVI layer that labels what parts of the surface are illuminated by the sun. After this the NDVI layer and the Hill shade are used to Scenic Index that shows what areas in pilot knob are illuminated during a sunset.

Legend

-  Streams
-  Roads
-  Pilot Knob Overlook Trail (1.24 mi)
-  Sage Point Trail (2 mi)
-  Pilot Knob Park Area
-  Scenic View

