Max Grossman

GEOG 6293

Project File Directory

\* File path to geodatabase is: G:\Share\GEOG6293\_Programming\Grossman\Florida\_FinalProject.gdb

\*\* File path to scripts is:

G:\Share\GEOG6293\_Programming\Grossman\FinalProject\FinalProjectFinalScripts

\*\*\* File path to mdx is:

G:\Share\GEOG6293\_Programming\Grossman\FinalProject\SolarSuitabilityFinalProduct.mxd

\*\*\*\* File path to map pdf:

G:\Share\GEOG6293\_Programming\Grossman\FinalProject\ SolarSuitabilityFinalProduct

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| **Florida\_FinalProject.gdb File Directory** | |
| **File Name** | **Description** |
| clipped\_WP\_fedland\_Albers | Federal Lands shapefile clipped to extent of Palm Beach county |
| Clipped\_WP\_FloridaLandcover\_Albers | Florida Land Coved raster clipped to extent of Palm Beach Count |
| clipped\_WP\_FloridaPopDen\_Albers | Population Density shapefile clipped to extent of Palm Beach county |
| clipped\_WP\_GHI\_US\_Albers | Global Horizontal Irradiance shapefile clipped to extent of Palm Beach County |
| cntbnd\_jul11 | Shapefile of Florida Counties |
| fedland | Shapefile of US federal land polygons |
| fedland\_Albers | Shapefile of US federal land projected in Albers Equal Area Conic Projected Coordinate System |
| FloridaLandCover | Florida Land Cover raster |
| FloridaLandCover\_Albers | Florida Land Conver raster projected in Albers Equal Area Conic Projected Coordinate System |
| FloridaPopDen | Shapefile of Population Density (people/Km) in Florida |
| FloridaPopDen\_Albers | Shapefile of Population Density (people/Km) in Florida projected in Albers Equal Area Conic Projected Coordinate System |
| GHI\_US | Shapefile of 40 km Global Horizontal Irradiance polygons |
| GHI\_US\_Albers | Shapefile of 40 km Global Horizontal Irradiance polygons projected in Albers Equal Area Conic Projected Coordinate System |
| go\_WP\_FloridaPopDen | Florida Population Density raster (people/Km) with 30m spatial resolution |
| go\_WP\_GHI | Palm Beach County Global Horizontal Irradiance with 30m spatial resolution |
| non\_normalized\_final\_raster | The final raster product of weighted rasters added together with raw/non-normalized values |
| norm\_CitiesDist\_raster | Raster of Distance to Cities throughout West Palm with values normalized to between 0 and 1. Spatial resolution is 30m |
| norm\_FedLands\_reclass | Reclassified Federal Lands distance raster where pixels with distance to federal lands is >1 receive a value of 1; pixels with distance = 0, value is 0. Spatial resolution is 30m |
| norm\_go\_InvPowrDist\_raster | Raster of inverse distance to Power lines where values are normalized to values between 0 and 1. Spatial resolution is 30m |
| norm\_go\_InvRoadDist\_raster | Raster of inverse distance to Raods where values are normalized to values between 0 and 1. Spatial resolution is 30m |
| norm\_go\_WP\_FlordiaPopDen | Florida Population Density raster (people/Km) with values normalized between 0 and 1. Spatial resolution is 30m |
| norm\_go\_WP\_GHI | Palm Beach County Global Horizontal Irradiance where values are normalized between 0 and 1. The spatial resolution is 30m . |
| norm\_LandCoverSolarLands\_reclass | Raster of Florida Land Cover reclassified to values 1 and 0. 1 are all flat lands and 0 are all lands either not flat, forested, beaches, or areas with water |
| Normalized\_finalSolarMCE | Final raster product of weighted rasters added together. The values are normalized |
| powerlines | Shapefile of powerlines in Florida |
| rciroads\_feb11 | Shapefile of roads in florida |
| Water\_disolve | Shapefile of water around Palm Beach County where polygons are dissolved together. |
| weighted\_CitiesDist | Palm Beach Cities distance raster with weight applied |
| weighted\_FedLands | Palm Beach Federal Lands raster with weight applied |
| weighted\_FloridaPopDen | Palm Beach population density with weight applied |
| weighted\_GHI | Palm Beach GHI with weight applied |
| weighted\_InvPowrDist | Pam Beach inverse distance to power lines with weight applied |
| weighted\_InvRoadDist | Palm Beach inverse distance to roads with weight applied |
| weighted\_LandCoverSolarLands | Palm Beach land cover with weight applied |
| WestPalm | Shapefile of Palm Beach county |
| WestPalmFishNet | Fishnet that covers extent of Palm Beach county. It includes fields for distance to roads, powerlines, cities, and federal lands. It also these distances normalized between 0 and 1, and inverse fields of the normalized power lines and cities distances |
| westpalmwaters | Water polygons for areas surrounding Palm Beach county |
| WP\_FedLandsDis\_raster | Raster of distance to Federal Lands. This then reclassified. |
| WP\_Cities | Shapefile of cities in Palm Beach County |
| WP\_Powerlines | Shapefile of Power lines in Palm beach county |
| WP\_Roads | Shapefile of Roads in Palm Beach county |