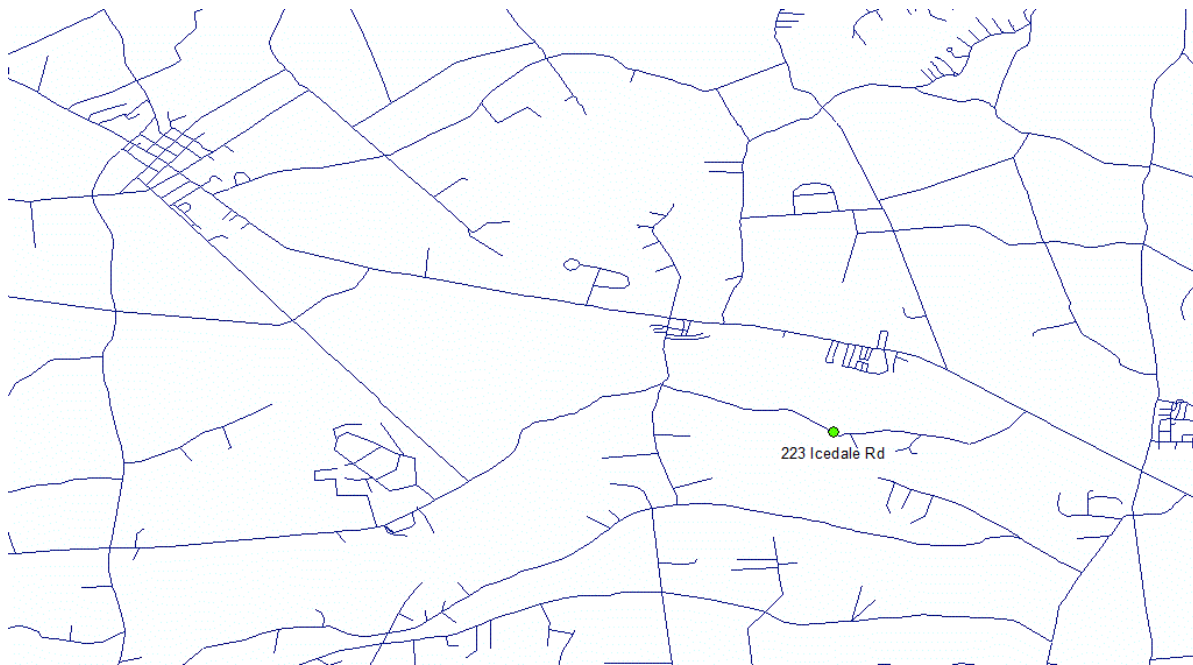


GEOG 160

Geocoding Addresses with TIGER/Line Files



The above map was rendered from TIGER/Line File data using ArcGIS. It is zoomed in at a scale of 1:47,776 in the program, this scale has changed copying it over to this document however. The map is over the roads surrounding where I live, which is Honey Brook in Chester County Pennsylvania.

The surrounding area is mostly all farm land, the mostly horizontal road that my street connects to eastbound is 322, about 160 miles away from state college. The cluster of square blocks to the NW is the town of Honey Brook, the only traffic light in town is there at the intersection of 10 and 322. There is another traffic light on the SE edge of the map at the intersection of 322 and 82 (near the other cluster of blocks).

TIGER/Line Data can be used to help better coordinate the census by sectioning off areas to tally up and gather data, then added up in total with as few repeats and missing data as possible.

The geocoding method used above is address interpolation/locator. The address 223 Icedale Rd was searched in the shape file using ArcMap.

If the above map were labeled, such as those found on Google Maps and MapQuest it would be quite easy to find a general location of an address, without a specific search a user may not know exactly where on the road the house number lies by just looking at an unsearched map, such as the ones on paper.

Sources

Environmental Systems Research Institute (2002) The Geography Network.
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Download Census 2000 TIGER/Line Data
http://arcdata.esri.com/data/tiger2000/tiger_download.cfm Accessed 17 February 2010.