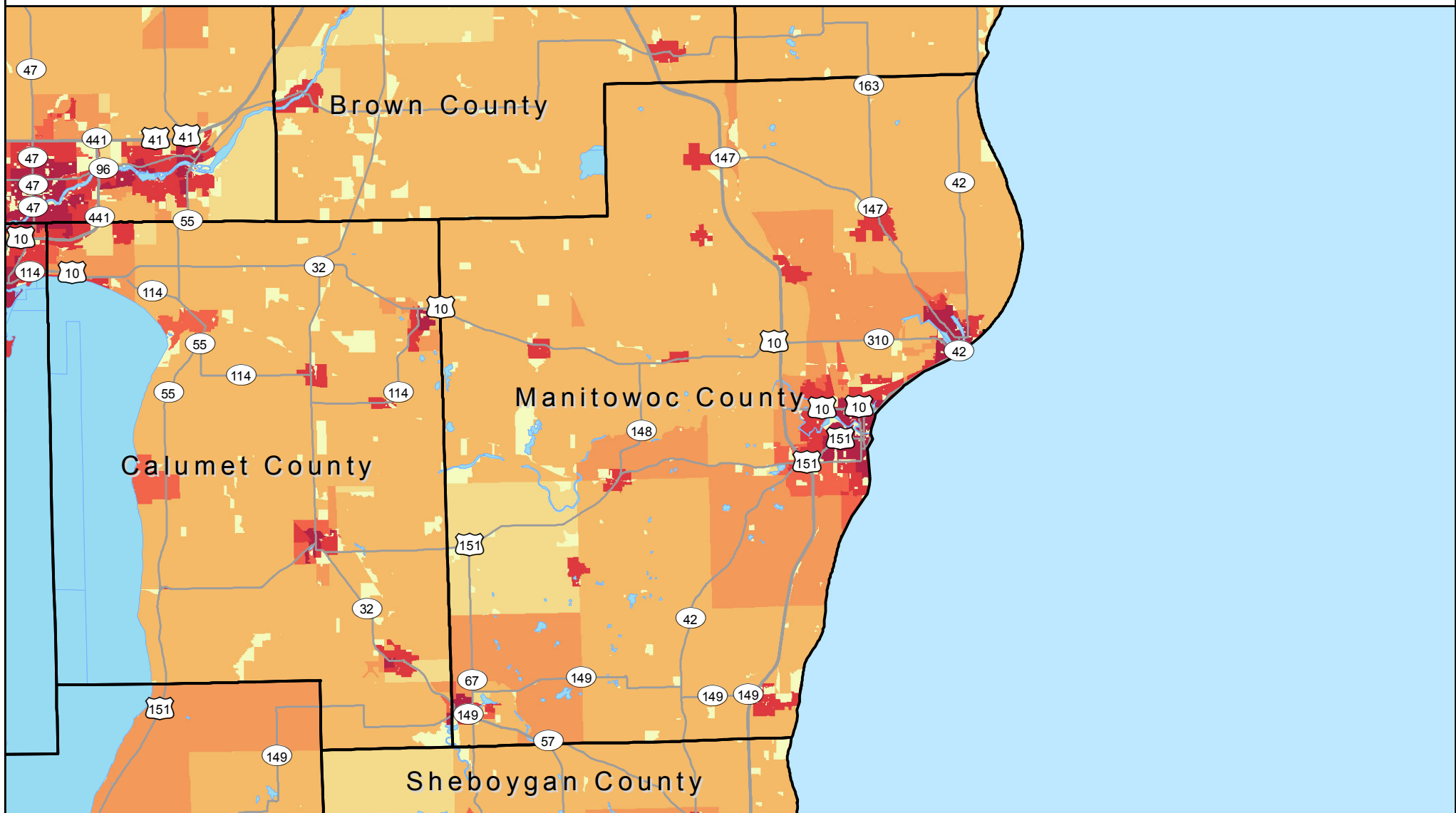
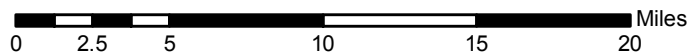
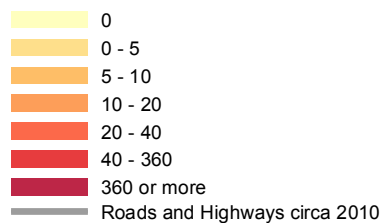


# Estimated 1940 Housing Density Manitowoc County



## Housing Units Per Square Mile



## Sources:

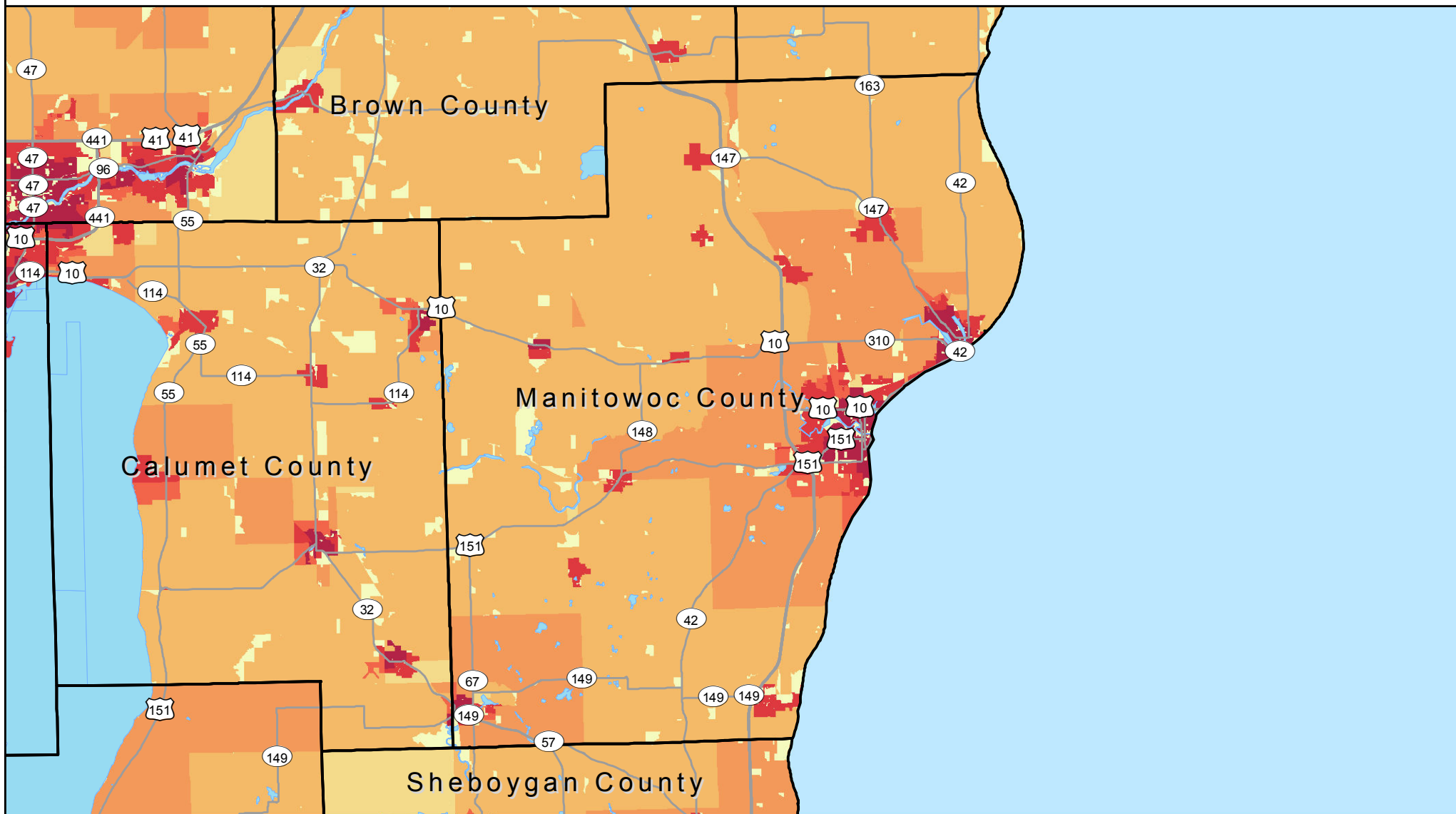
Roads: ArcGIS Streetmap USA, 2010  
 1940 - 1980 Housing Density: US Census Partial Block Group Data  
 Hammer, R. B. S. I. Stewart, R. Winkler, V. C. Radeloff,  
 and P. R. Voss. 2004. Characterizing spatial and temporal  
 residential density patterns across the U.S. Midwest, 1940-1990.  
 Landscape and Urban Planning 69: 183-199.  
<http://silvis.forest.wisc.edu/old/Library/HousingData.php>

Produced at APL by Greg Grube

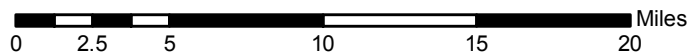
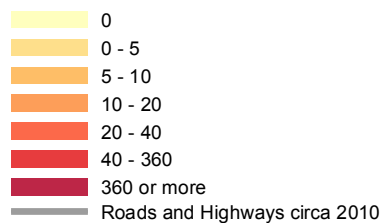


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# Estimated 1950 Housing Density Manitowoc County



## Housing Units Per Square Mile



## Sources:

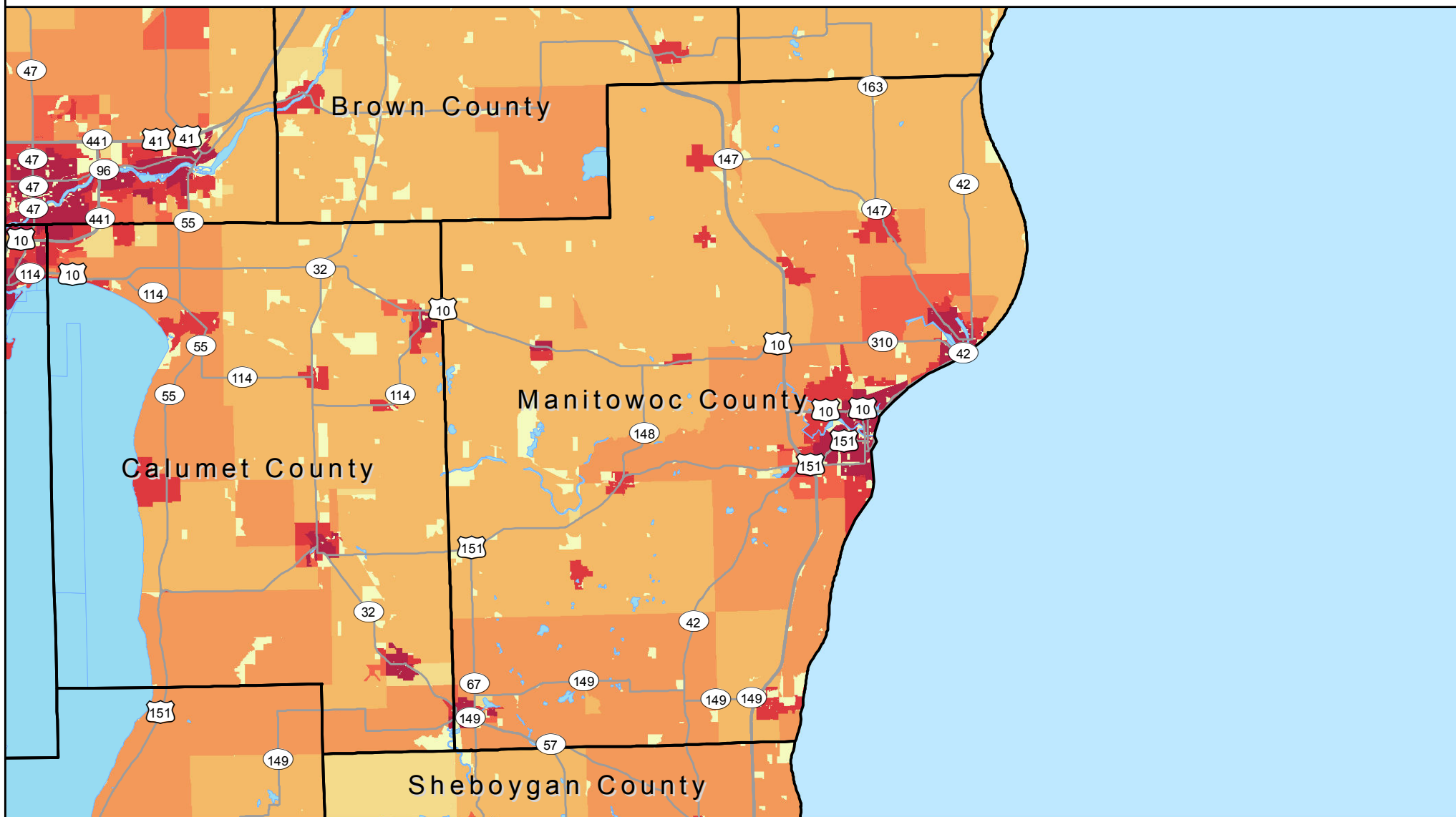
Roads: ArcGIS Streetmap USA, 2010  
 1940 - 1980 Housing Density: US Census Partial Block Group Data  
 Hammer, R. B. S. I. Stewart, R. Winkler, V. C. Radeloff,  
 and P. R. Voss. 2004. Characterizing spatial and temporal  
 residential density patterns across the U.S. Midwest, 1940-1990.  
 Landscape and Urban Planning 69: 183-199.  
<http://silvis.forest.wisc.edu/old/Library/HousingData.php>

Produced at APL by Greg Grube

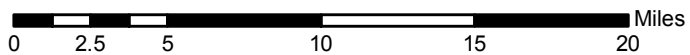
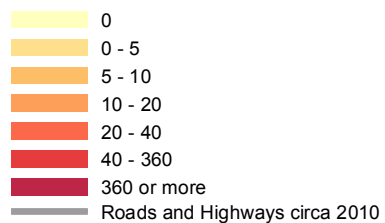


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# Estimated 1960 Housing Density Manitowoc County



## Housing Units Per Square Mile



## Sources:

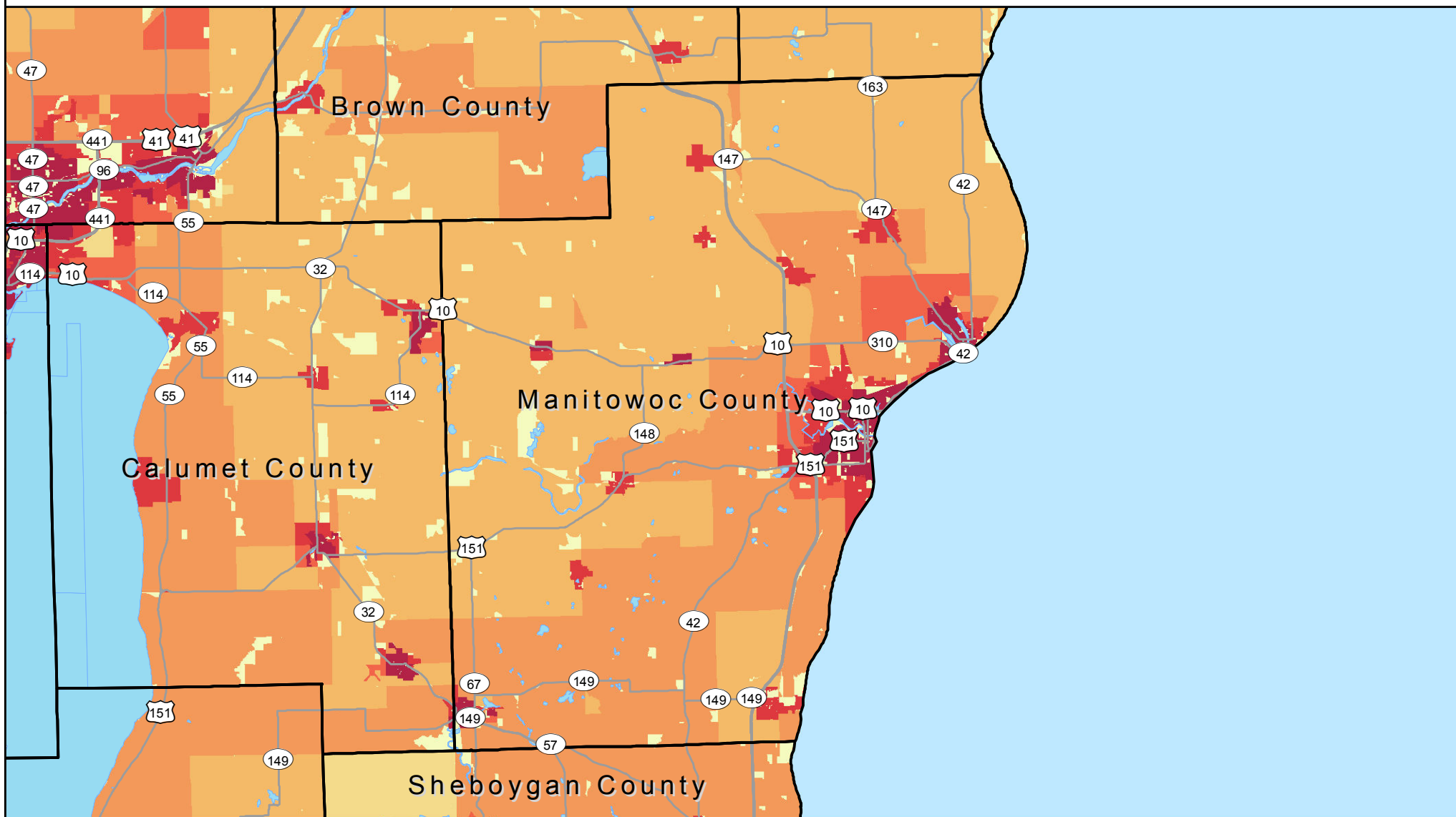
Roads: ArcGIS Streetmap USA, 2010  
 1940 - 1980 Housing Density: US Census Partial Block Group Data  
 Hammer, R. B. S. I. Stewart, R. Winkler, V. C. Radeloff,  
 and P. R. Voss. 2004. Characterizing spatial and temporal  
 residential density patterns across the U.S. Midwest, 1940-1990.  
 Landscape and Urban Planning 69: 183-199.  
<http://silvis.forest.wisc.edu/old/Library/HousingData.php>

Produced at APL by Greg Grube

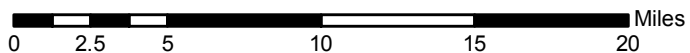
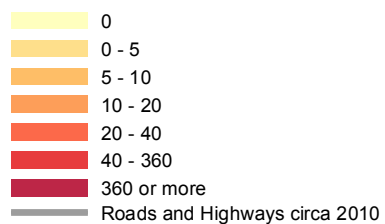


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# Estimated 1970 Housing Density Manitowoc County



## Housing Units Per Square Mile



## Sources:

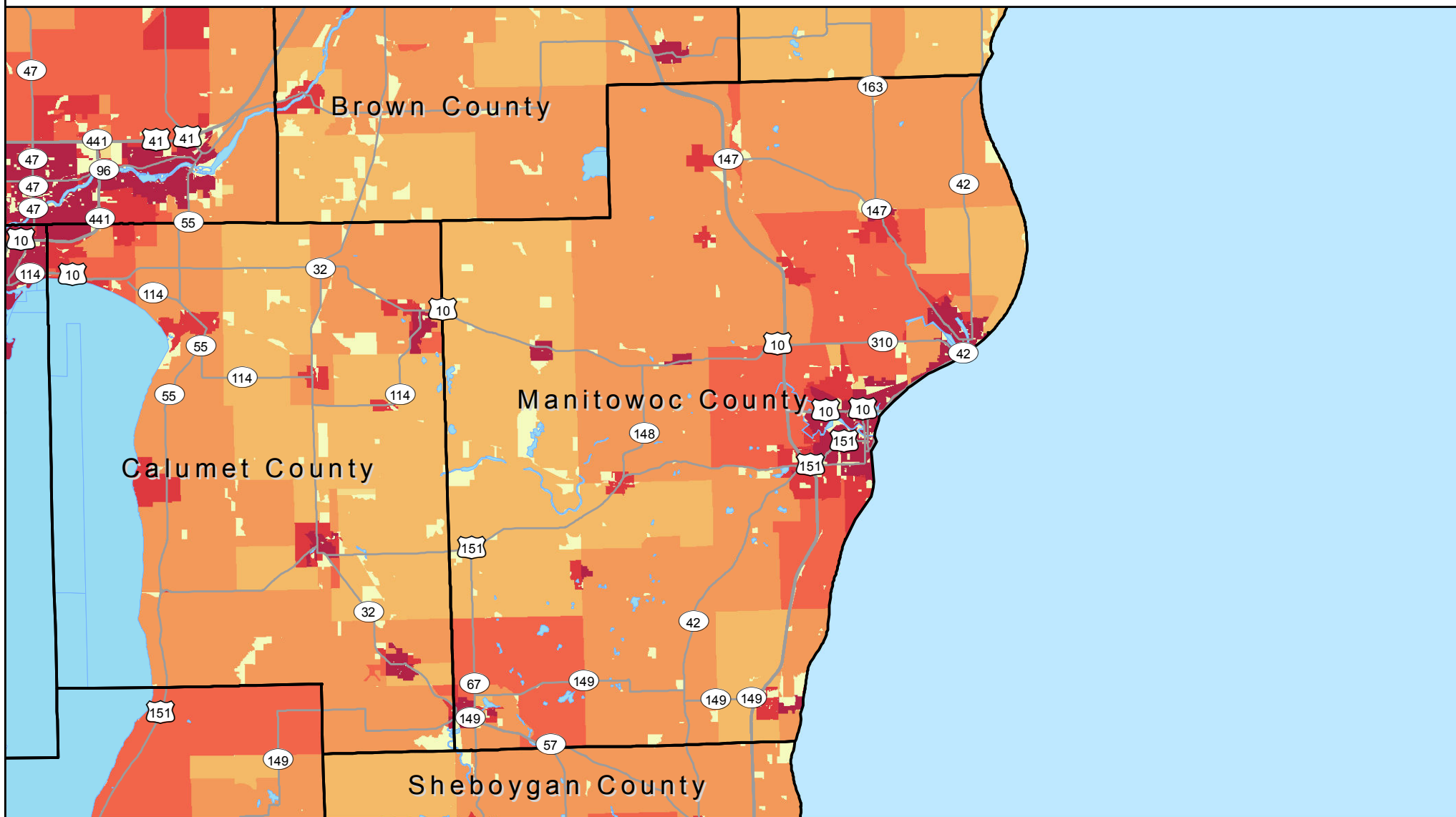
Roads: ArcGIS Streetmap USA, 2010  
 1940 - 1980 Housing Density: US Census Partial Block Group Data  
 Hammer, R. B. S. I. Stewart, R. Winkler, V. C. Radeloff,  
 and P. R. Voss. 2004. Characterizing spatial and temporal  
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 Landscape and Urban Planning 69: 183-199.  
<http://silvis.forest.wisc.edu/old/Library/HousingData.php>

Produced at APL by Greg Grube

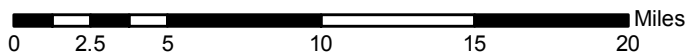
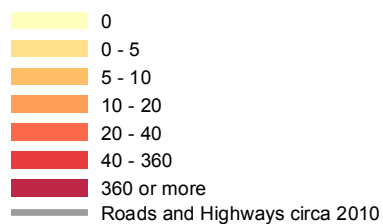


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# Estimated 1980 Housing Density Manitowoc County



## Housing Units Per Square Mile



## Sources:

Roads: ArcGIS Streetmap USA, 2010  
 1940 - 1980 Housing Density: US Census Partial Block Group Data  
 Hammer, R. B. S. I. Stewart, R. Winkler, V. C. Radeloff,  
 and P. R. Voss. 2004. Characterizing spatial and temporal  
 residential density patterns across the U.S. Midwest, 1940-1990.  
 Landscape and Urban Planning 69: 183-199.  
<http://silvis.forest.wisc.edu/old/Library/HousingData.php>

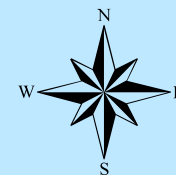
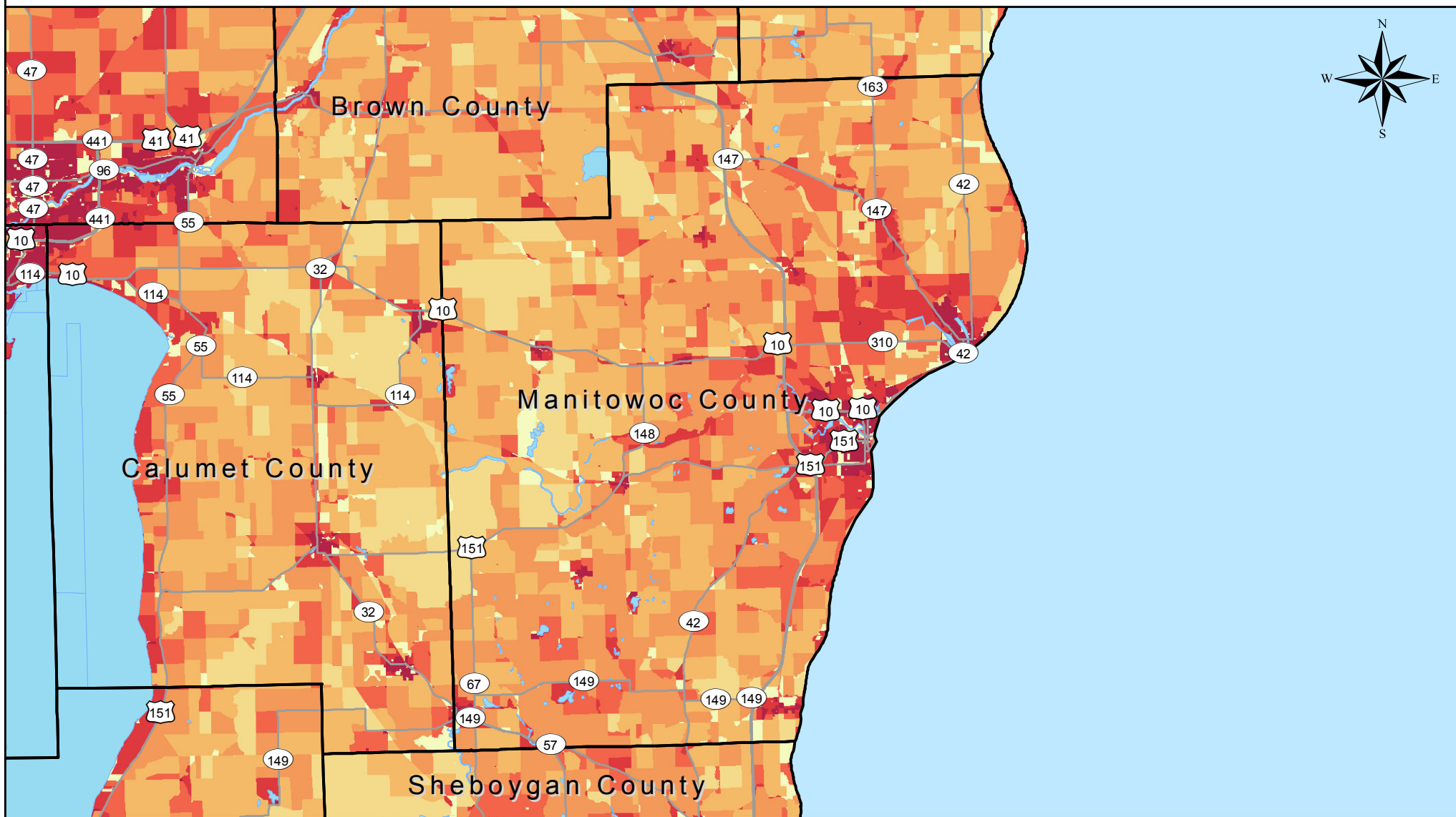
Produced at APL by Greg Grube



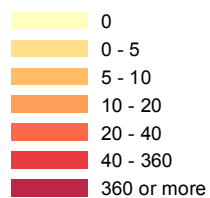
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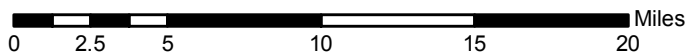
# Census 1990 Housing Density Manitowoc County



## Housing Units Per Square Mile



— Roads and Highways circa 2010



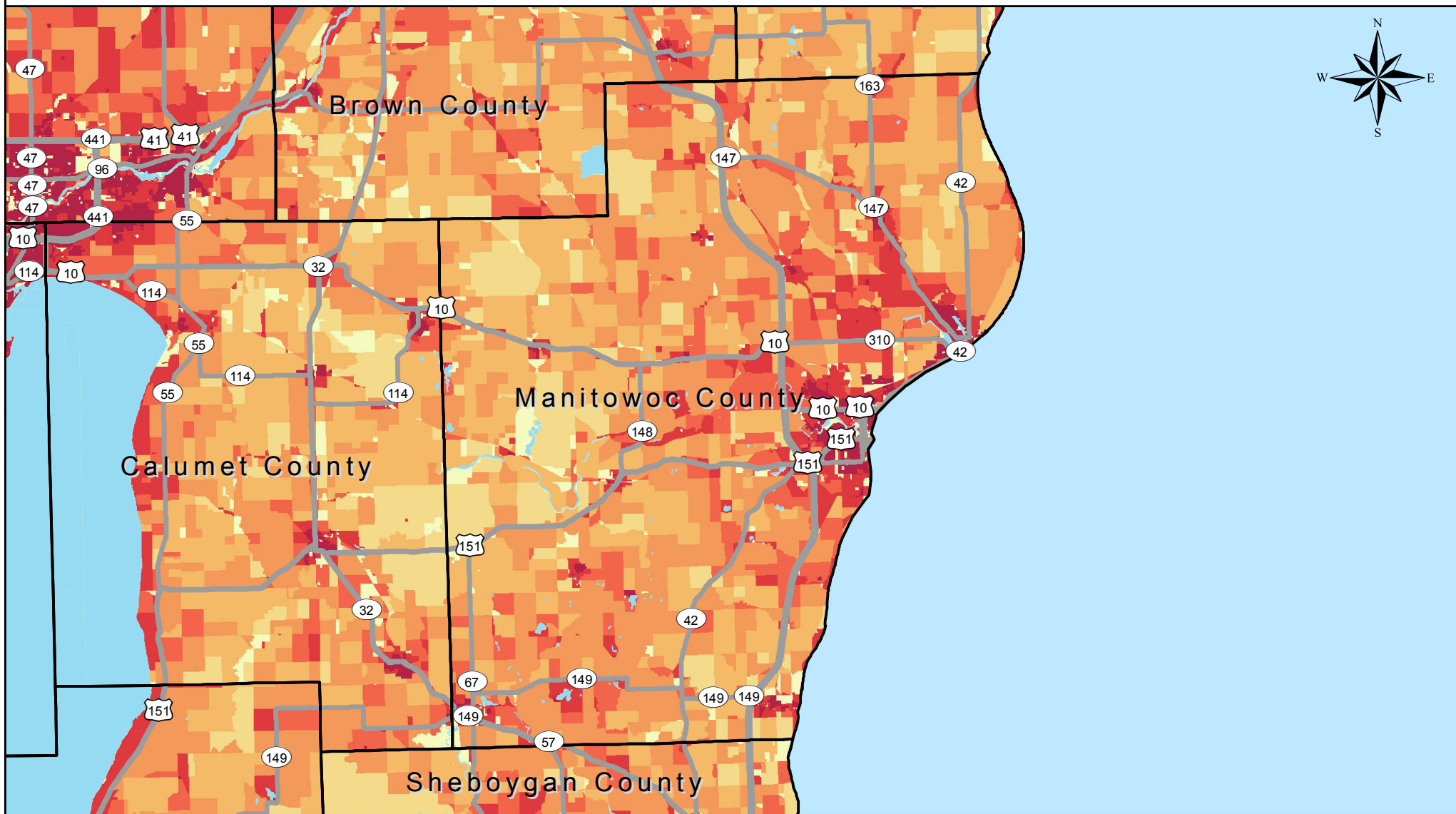
Sources:  
Roads: ArcGIS Streetmap USA, 2010  
1990 Housing Density: US Census Bureau (census blocks)

Produced at APL by Greg Grube

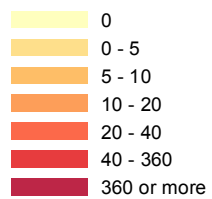


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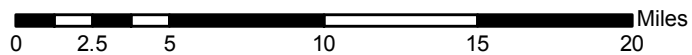
# Census 2000 Housing Density Manitowoc County



## Housing Units Per Square Mile



— Roads and Highways circa 2010



Sources:

Roads: ArcGIS Streetmap USA, 2010

2010 Housing Density: US Census Bureau (census blocks)

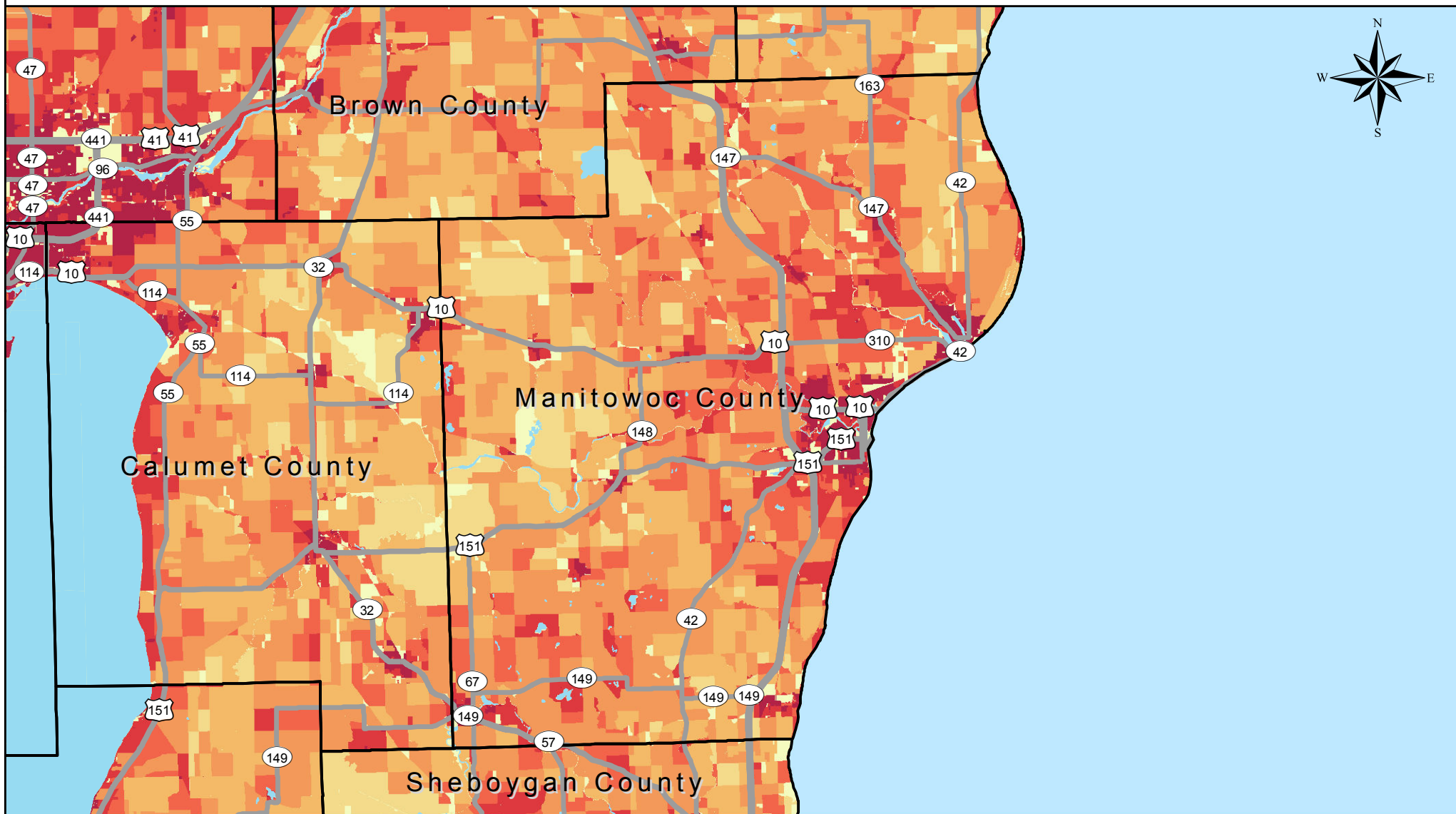
Produced at APL by Greg Grube



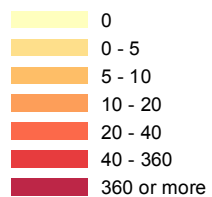
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<http://www.apl.wisc.edu/>

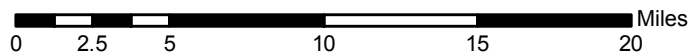
# Census 2010 Housing Density Manitowoc County



## Housing Units Per Square Mile



— Roads and Highways circa 2010



Sources:

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