

**Jackson County Hazard Mitigation Plan
2021 Edition Plan Element**



Bright Walls Mural | Downtown Jackson

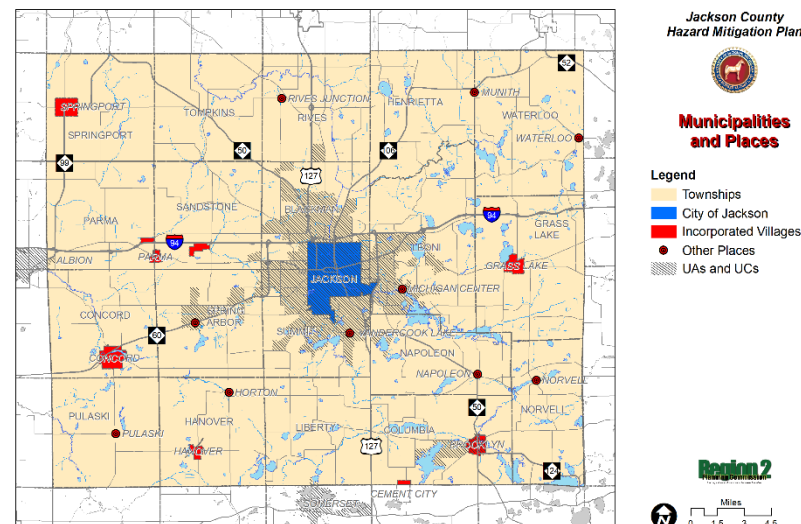
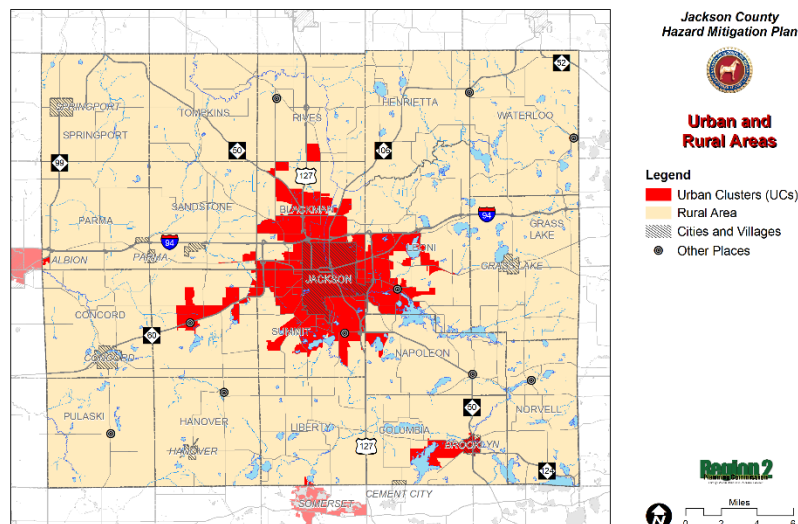
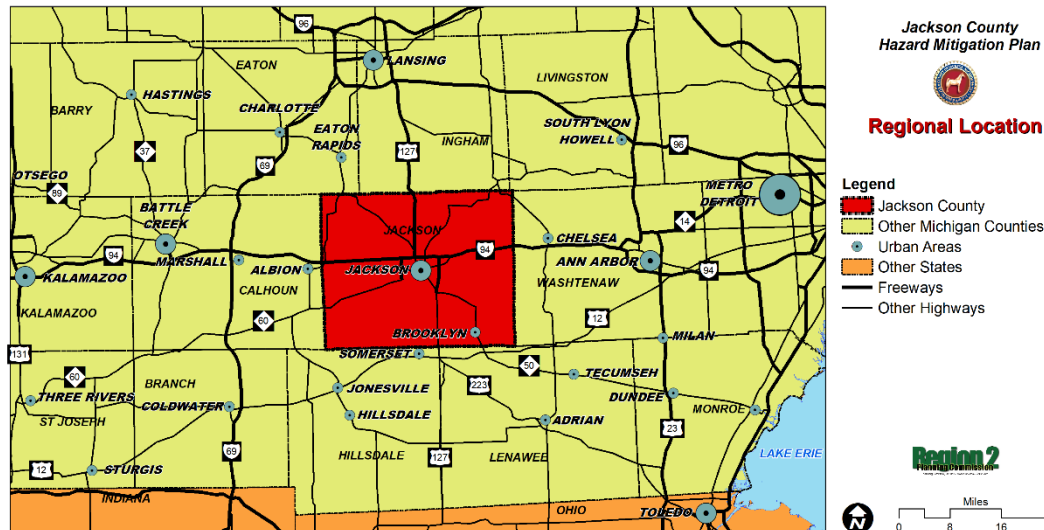
Community Profile
October 20, 2020 Draft

Regional Location

Jackson County is part of south-central Lower Michigan. It is located approximately 25 miles north of Ohio and bisected by the I-94 and US-127 corridors (see the Regional Location map).

Urban and Rural Areas

The Jackson Urbanized Area is located in central Jackson County (see the Urban and Rural Areas map). The Brooklyn Urban Cluster is located to the southeast. The Somerset and Albion Urban Clusters extend into the County from the south and west and the remainder of the County is rural. The Urbanized Areas of Lansing; Ann Arbor and Metro Detroit; Toledo; and Battle Creek and Kalamazoo are located to the north, east, southeast, and west, respectively.



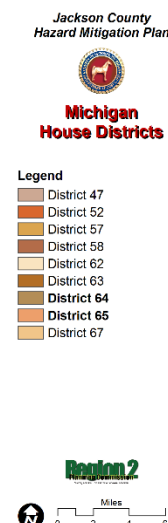
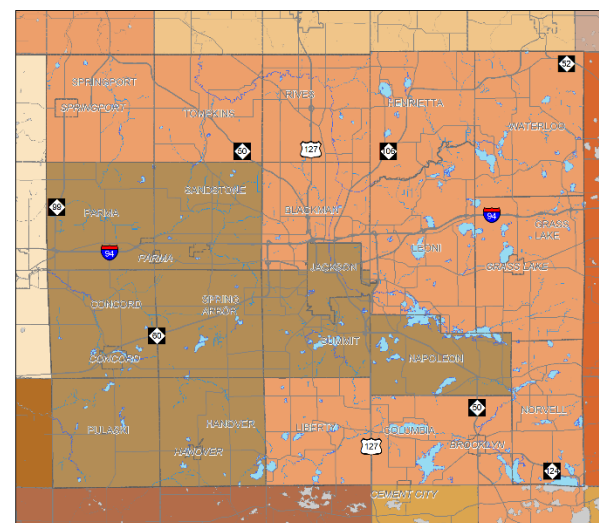
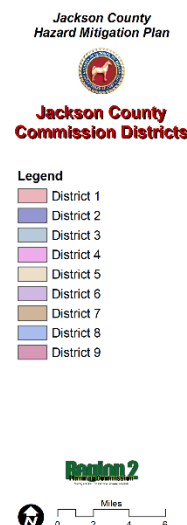
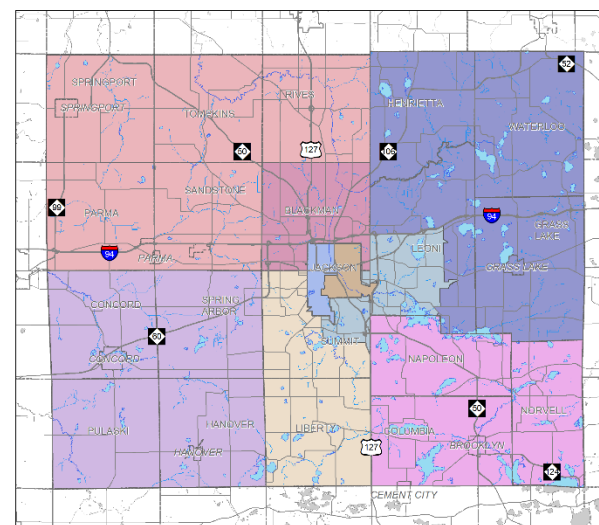
Political Jurisdictions

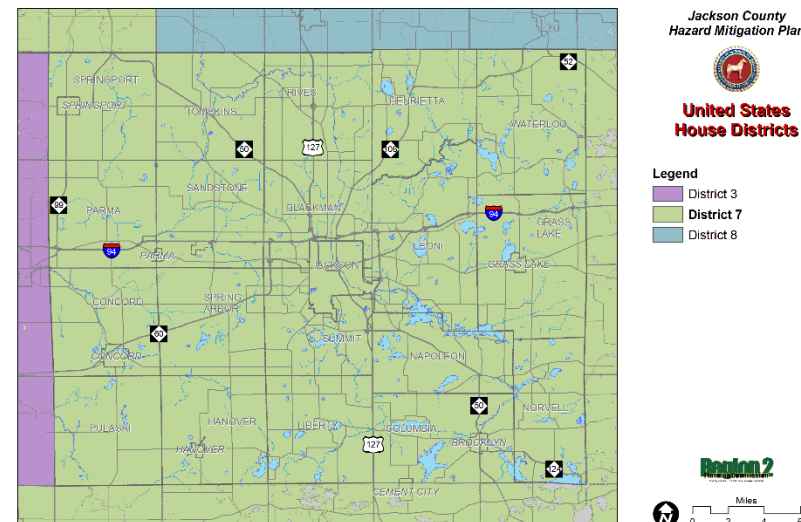
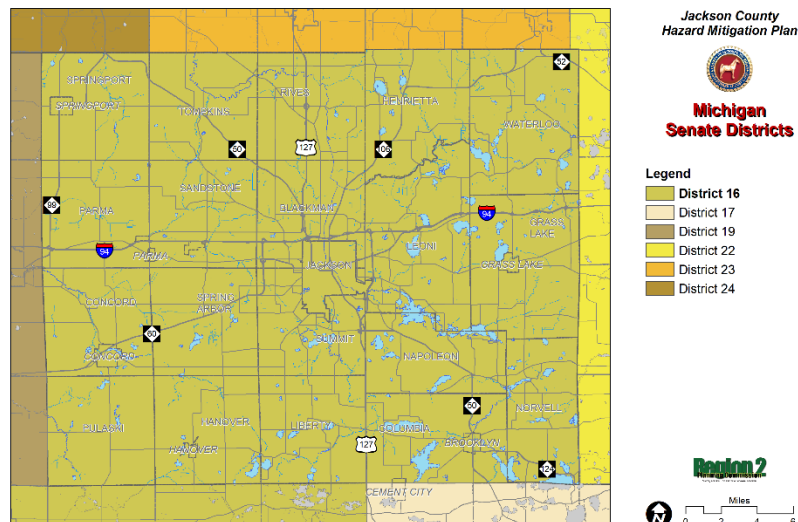
The county is composed of 19 townships, 7 incorporated villages, 1 city, and various unincorporated settlements (see the Political Jurisdictions table and the Municipalities and Places map). Elected boards and councils govern the townships, incorporated villages, and the city. The 9-member Jackson County Board of Commissioners also represents county residents (see the table and the Jackson County Commission Districts map). Michigan House Districts 64 and 65 cover Jackson County and various other districts border it (see the table and the Michigan House Districts map). The entire county is part of Michigan Senate District 19 and Michigan District 7 of the US House of Representatives and various other districts border it (see the table and Michigan Senate and United States House Districts maps).

Political Jurisdictions

| Community | County Commis- | MI House | MI Senate | US House | Community | County Commis- | MI House | MI Senate | US House |
|-------------------------|-------------------|----------|-----------|----------|------------------------------|-------------------|----------|-----------|----------|
| City | | | | | Townships (continued) | | | | |
| City of Jackson | 7 & 8 | 64 | 19 | 7 | Henrietta Township | 2 | 65 | 19 | 7 |
| Villages | | | | | Leoni Township | 2 & 3 | 65 | 17 | 7 |
| Village of Brooklyn | 4 | 65 | 19 | 7 | Liberty Township | 5 | 65 | 19 | 7 |
| Village of Cement City* | 4 | 65 | 19 | 7 | Napoleon Township | 4 | 64 | 19 | 7 |
| Village of Concord | 6 | 64 | 19 | 7 | Norvell township | 4 | 65 | 17 | 7 |
| Village of Grass Lake | 2 | 65 | 17 | 7 | Parma Township | 1 | 64 | 19 | 7 |
| Village of Hanover | 6 | 64 | 19 | 7 | Pulaski Township | 6 | 64 | 19 | 7 |
| Village of Parma | 1 | 64 | 19 | 7 | Rives Township | 1 | 65 | 19 | 7 |
| Village of Springport | 1 | 65 | 19 | 7 | Sandstone Chtr. Twp. | 1 | 64 | 19 | 7 |
| Townships | | | | | Spring Arbor Township | 6 | 64 | 19 | 7 |
| Blackman Chtr. Twp. | 9 | 65 | 19 | 7 | Springport Township | 1 | 65 | 19 | 7 |
| Colombia Township | 4 | 65 | 19 | 7 | Summit Township | 3 & 6 | 64 | 17 | 7 |
| Concord Township | 6 | 64 | 19 | 7 | Tompkins Township | 1 | 65 | 19 | 7 |
| Grass Lake Chtr. Twp. | 2 | 65 | 17 | 7 | Waterloo Township | 2 | 65 | 19 | 7 |
| Hanover Township | 6 | 64 | 19 | 7 | | | | | |

*Most of the Village and its population is located in Lenawee County.





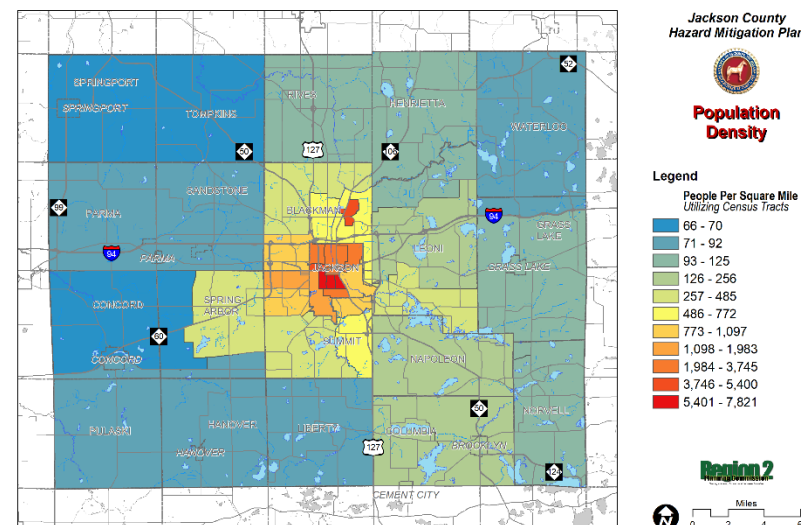
Community Characteristics

Jackson County was home to 160,248 people in 2000, according to the US Census. The official 2018 American Community Survey (ACS) estimate for the county was 158,913 people, indicating a stable population with only a slight loss (-0.8%).

Population Density

The Jackson Urbanized Area and the Brooklyn Urban Cluster were home to an estimated 58% of county residents in 2018 (i.e., 88,806 and 2,735 people, respectively). It is also interesting to note that the City of Jackson and the incorporated villages (excluding Cement City) comprised an estimated 24% of the countywide population in 2018 (i.e., 32,800 and 5,429 people, respectively).

Based upon the 2018 ACS estimate, the average density of population in the county is approximately 222 people per square mile (ppsm) that year. However, population density varied significantly across the county (utilizing Census Tracts) from a high of 6,804-7,821 ppsm in the City of Jackson (south of Michigan/Washington Avenues and west of Cooper Street) to a low of 66 ppsm in Springport and Tompkins Townships (including the Village of Springport).

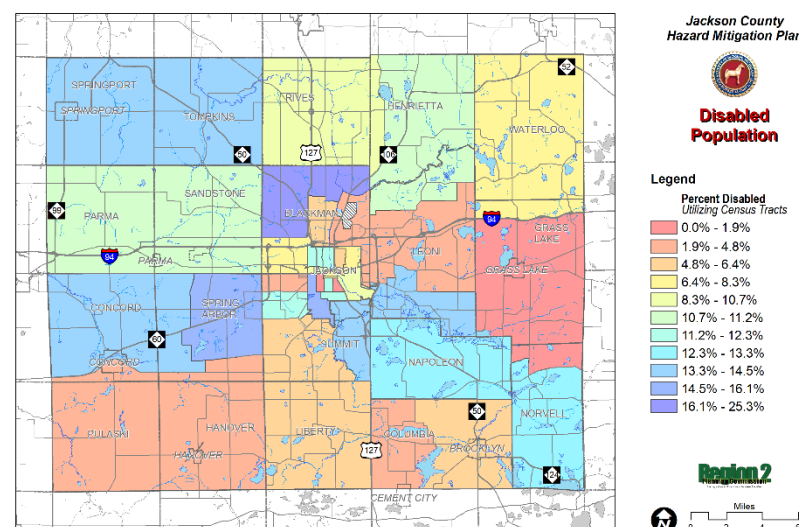
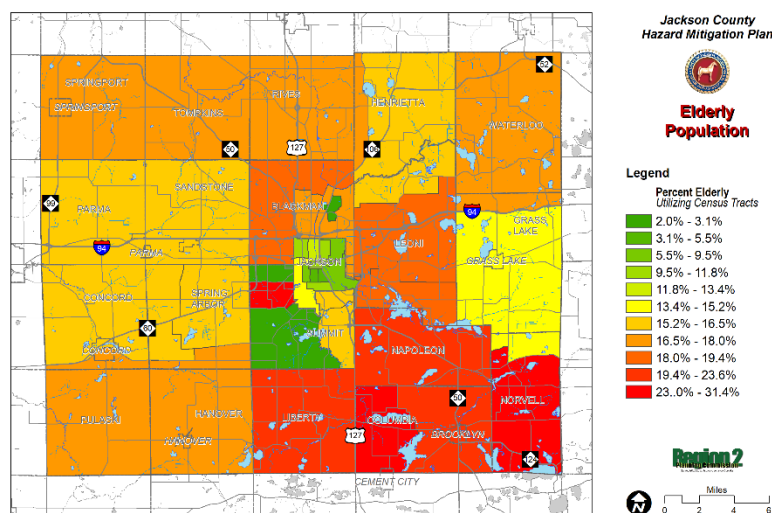


Populations with Special Needs and Social Vulnerability

Several population groups within the county have special needs that authorities should consider in any serious analysis of the risks residents may have from hazards. These analyses utilize census tracts because they provide more detail than municipalities in most cases. Please note that the analyses for many of these populations excludes the State of Michigan prisons in Blackman Township, which comprise their own census tract.

Elderly Residents

Approximately 16.7% of Jackson County residents were at least 65 years old in 2018 according to the ACS, although this average varies widely (see the Elderly Population map). For example, a portion of Summit Township (south of McCain Road and east of the City of Jackson) had the highest ration of elderly residents at 31.4% while another portion of the Township directly to the south (south of the City of Jackson and west of the Grand River) had the lowest ratio at 2.0%. Various assisted living facilities are located in the County, many of them in the Jackson Urbanized Area.

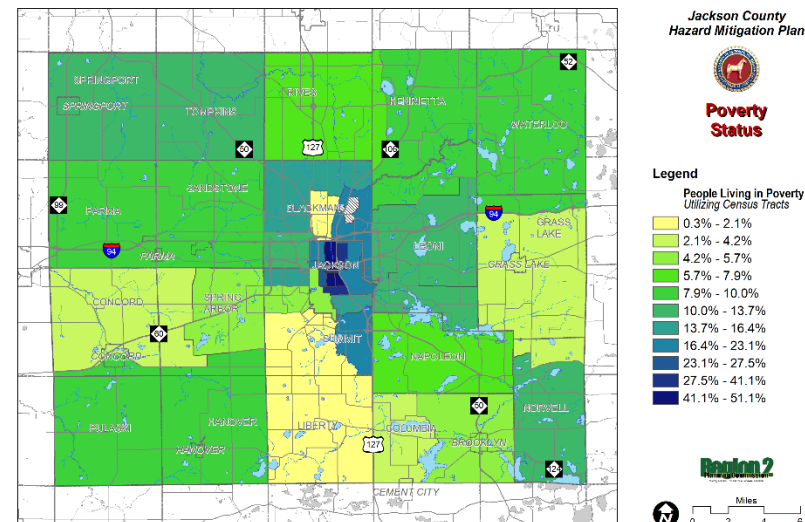
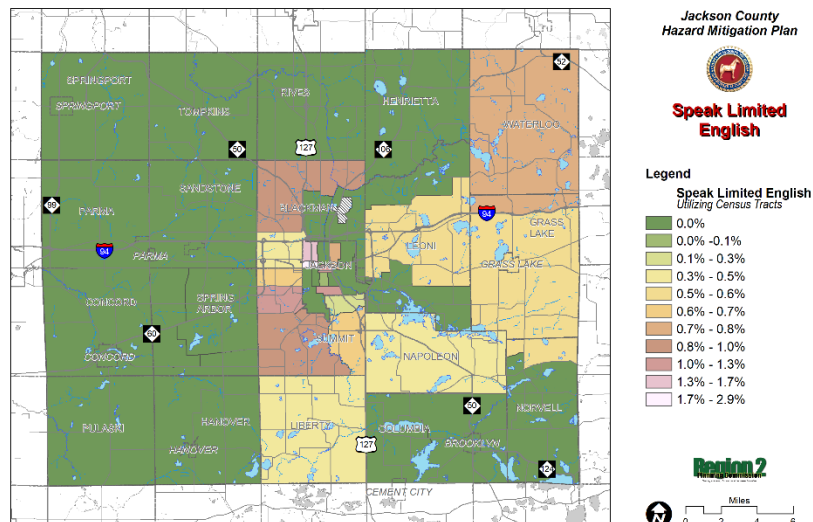


Disabled Residents

Residents disabled in some way in 2018, according to the ACS, comprised approximately 15.4% of Jackson County residents although this average varies widely (see the Disabled Population map). For example, disabled people only comprised 1.9% of Grass Lake Township residents living south of I-94, compared to 25.3% of residents living in northern and western Blackman Township.

Foreign Language Speakers

Only 1.7% of Jackson County households had limited English-speaking capabilities in 2018, according to the ACS, although this average varies (see the Speak Limited English map). For example, many townships, villages, and portions of the City contained no households with limited English-speaking capabilities compared to 2.9% of households in another part of Jackson (i.e., West Avenue, north of Michigan Avenue).

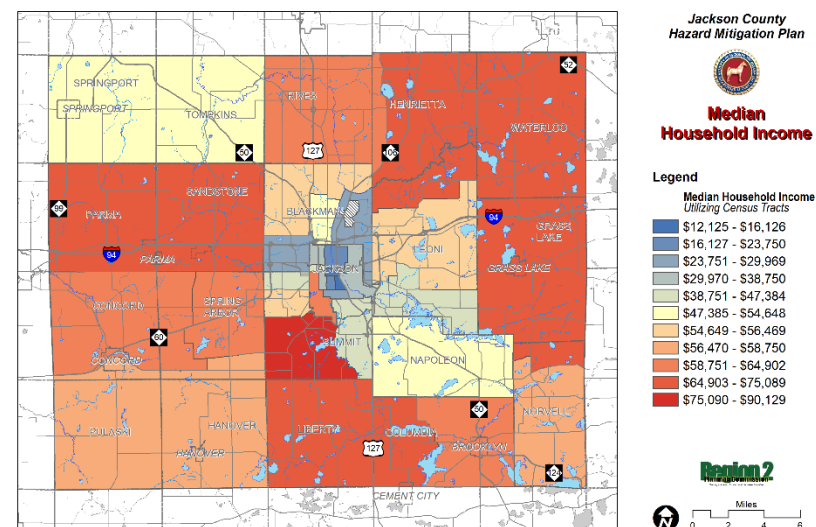


Impoverished Residents

Residents living in poverty in 2018 comprised approximately 13.7% of Jackson County residents although this average varies widely (see the Poverty Status map). For example, a portion of Summit Township (south of McCain Road and east of the City of Jackson) had the lowest poverty rate at 0.3%, compared to a portion of Jackson (north of Van Buren Street and east of Steward Street) at 51.1%.

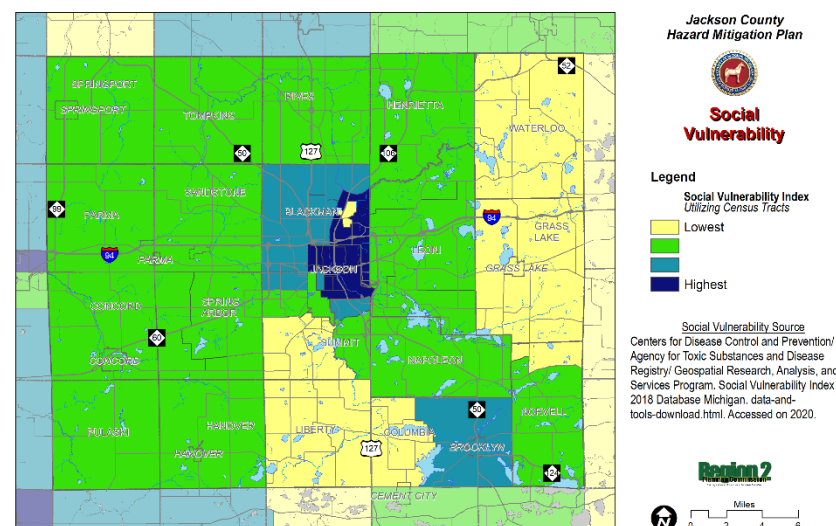
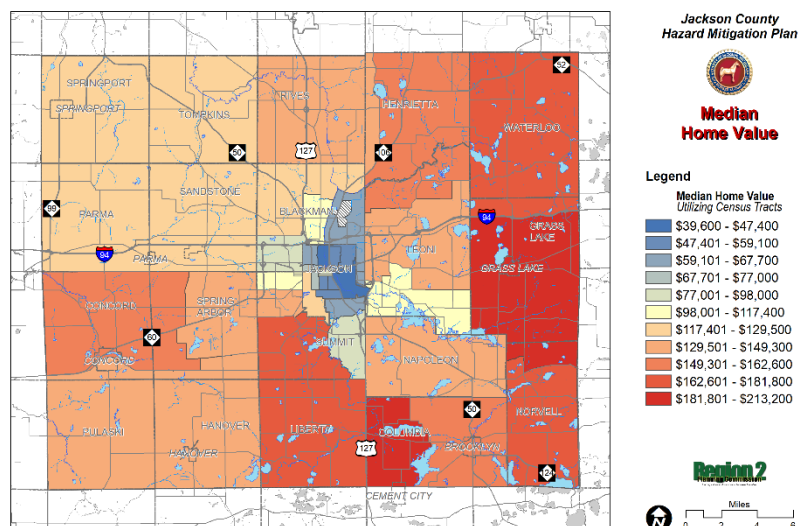
Median Household Income

Median household income, according to the ACS, was approximately \$51,031 in Jackson County although this average varies widely (see the Median Household Income map). For example, the lowest median household income occurred in a portion of the City of Jackson (i.e., near Louie Glick and Washington Avenues, west of Cooper Street), compared to \$90,129 for a portion of Summit Township (south of McCain road and east of the City of Jackson).



Median Home Values

The median home value in Jackson County was approximately \$142,900 in 2018, according to the ACS, although this varies widely (see the Median Home Value map). For example, the median home value in the northcentral City of Jackson (i.e., north of Van Buren Street, between Lansing Avenue and Cooper Street) was \$39,600, compared to \$213,200 for western Columbia Township (i.e., Clark Lake and the western shore of Lake Columbia, west to Liberty Township).



Social Vulnerability

The CDC (Centers for Disease Control and Prevention) utilized 15 criteria from the 2018 ACS data, similar to the special needs information summarized in this section, to determine social vulnerability (see the Social Vulnerability map). The CDC defines social vulnerability as “a community’s capacity to prepare for and respond to the stress of hazardous events ranging from natural disasters, such as tornadoes or disease outbreaks, to human caused threats, such as toxic chemical spills”.

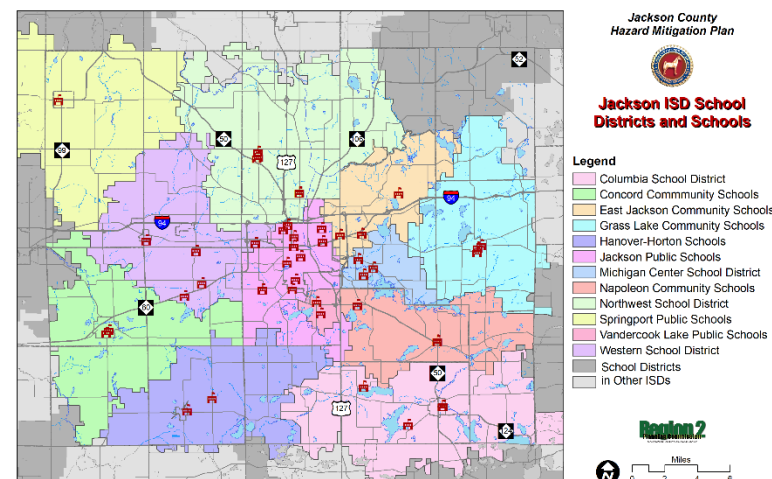
Educational Facilities

Public and private elementary, secondary and higher education institutions serve students and their families living in Jackson County:

Jackson Intermediate School District (JISD)

Twelve of the public school districts serving Jackson County are part of the Jackson Intermediate School District (JISD). The following is a listing of those districts and the schools they provide:

- **Columbia School District.** Columbia Elementary School, Columbia Upper Elementary School, Columbia Central Junior. and Senior High Schools, and Columbia Options High School
- **Concord Community Schools.** Concord Elementary and Middle Schools and Concord High School
- **East Jackson Community School.** East Jackson Elementary School, East Jackson Secondary School, and East Jackson Alternative School
- **Grass Lake Community Schools.** George Long Elementary School and Little Warriors Preschool/Daycare, Grass Lake Middle School, and Grass Lake High School
- **Hanover-Horton School District.** Hanover-Horton Elementary School and Early Impressions Preschool/Childcare and Hanover-Horton Middle and High Schools
- **Jackson Public Schools.** Bennett Elementary School, Cascades and Frost Elementary Schools, Dibble Elementary School, Hunt Elementary School, Northeast Elementary School, JPS Montessori Center, Sharp Park IB World School, the Middle School at Parkside and Fourth Street Learning Center, Jackson High School and Jackson Pathways, T. A. Wilson Academy, and South Central Michigan Virtual
- **Michigan Center Schools.** Arnold Elementary School, Keicher Elementary School, and Michigan Center Junior/Senior High School
- **Napoleon Community Schools.** Ezra Eby Elementary School and Pirates Cove Pre-School and Child Care, Napoleon Middle School, Napoleon High School, and Ackerson Lake High School and Community Center
- **Northwest Community Schools.** Northwest Early Elementary School, Northwest Elementary School, R.W. Kidder Middle School, Northwest High School, and Northwest Alternate High School
- **Springport Pubic Schools.** Springport Elementary, Middle, and High Schools
- **Vandercook Lake Public Schools.** Townsend Elementary School and Vandercook Lake Middle/High School
- **Western School District.** Bean Elementary School, Parma Elementary School, Warner Elementary School, Western Middle and High Schools, and Western Career Prep High School



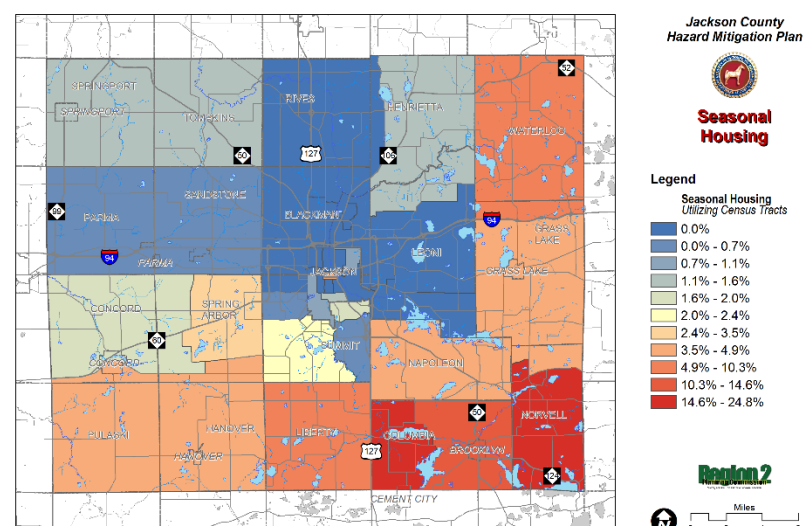
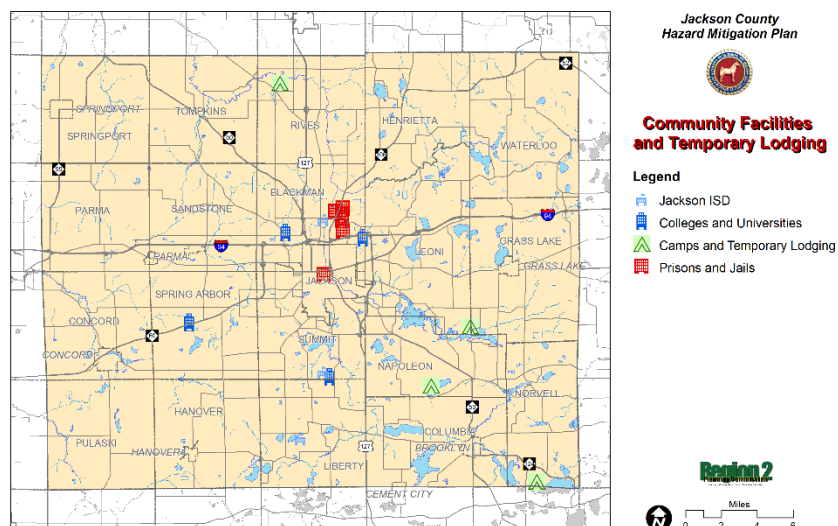
The JISD also maintains its Tarrant and Kit Young Center in Blackman Township, Jackson Area Career Center in Summit Township, and Camp McGregor in Liberty Township (see the Major Community Facilities map).

Other Public School Districts and Private Schools

Another 11 school districts extend into Jackson County. Chief among them is Stockbridge Community Schools (in terms of area), but none of them currently maintain any schools in the County. There are also a variety of charter and private schools. Jackson Preparatory & Early College, da Vinci (Primary School, High School, and virtual Downtown Center), 4th Street Primary, and Paragon Charter Academy are charter schools. Private schools include Jackson Christian Schools (Elementary/Preschool and Middle/High School), Jackson Catholic Schools (Queen of the Miraculous Medal Elementary School, St. John Elementary School, St. Mary Star of the Sea Elementary School, and Lumen Christi Catholic High School), and Jackson Seventh Day Adventist Elementary School.

Colleges and Universities

Several colleges are located in Jackson County. Baker College of Jackson is located in Blackman Township (see the Community Facilities and Temporary Lodging map). Jackson College's Central Campus is located in Summit Township and its W.J. Maher Campus is located in Blackman Township. Spring Arbor University is located in the unincorporated village of Spring Arbor (Spring Arbor Township).



Temporary/Seasonal Housing/Lodging

Finally, seasonal dwellings comprised approximately 3.4% of Jackson County housing units in 2018 according to the ACS, although this varies widely (see the Seasonal Housing map). For example, there was no seasonal housing in the Townships of Blackman and Rives nor in most of Leoni Township and the City of Jackson. In comparison, approximately 24.8% of housing in most of Norvell Township was seasonal.

Various community facilities also have temporary lodging components. For example, Spring Arbor University and Jackson College's Central Campus host residence halls. Camp McGregor (Jackson County ISD, Liberty Township), the YMCA Storer Camps (Napoleon Township), Camp O' the Hills (Girl Scouts of America, Norvell Township), and Camp Teetonkah (Scouts BSA, Leoni Township) have facilities to accommodate overnight guests (see the Community Facilities and Temporary Lodging map). Youth Haven (Rives Township) is home to its charges. The Michigan Department of Corrections' Charles Egeler, Cooper Street, G. Robert Cotton, and Parnall Correctional Facilities (Blackman Township) and the Jackson County Office of the Sheriff's Chanter Road (Blackman Township) and Wesley Street (City of Jackson) Jails house prisoners. Henry Ford Allegiance Health and the Jackson County Medical Care Facility (City of Jackson), a variety of other assisted living facilities (various townships), several hotels (Blackman Township), and many campgrounds (various townships) also provide temporary accommodations (of varying lengths of time) to their patrons.

Public Safety Organizations

Law enforcement and fire/rescue services are coordinated through the 911 central dispatching service run by the County of Jackson, which utilizes the State of Michigan's 800 MHz radio system.

Law Enforcement

A variety of law enforcement agencies serves the residents and property/business owners of Jackson County:

Jackson County Office of the Sheriff

The primary countywide law enforcement agency is the Jackson County Office of the Sheriff, headquartered on Wesley Street in Downtown Jackson next to the County Courthouse. The following municipalities also contract with the Office of the Sheriff for additional law enforcement services:

- Village of Concord and Concord Township
- Village of Grass Lake and Grass Lake Township
- Norvell Township
- Parma Township
- Sandstone Township
- Summit Township

The Office of the Sheriff also operates a couple of jails. The Wesley Street Jail is part of the Office of the Sheriff headquarters. The Chanter Road Jail is located in Blackman Township, west of Elm Road, next to the Jackson County Department of Transportation.

Municipal Law Enforcement Agencies

Some of the municipalities within Jackson County also provide their own law enforcement agencies:

- **Blackman-Leoni Township Department of Public Safety.** Blackman and Leoni Townships
- **Columbia Township Police Department.** Village of Brooklyn and Columbia Township

- **Jackson Police Department.** City of Jackson
- **Napoleon Township Police Department.** Napoleon Township
- **Spring Arbor Township Police Department.** Spring Arbor Township
- **Springport Township Police Department.** Village of Springport and Springport Township

The Blackman-Leoni Township Department of Public Safety, the Columbia Township Police Department, and the Jackson Police Department serve their communities 24 hours a day/7 days a week.

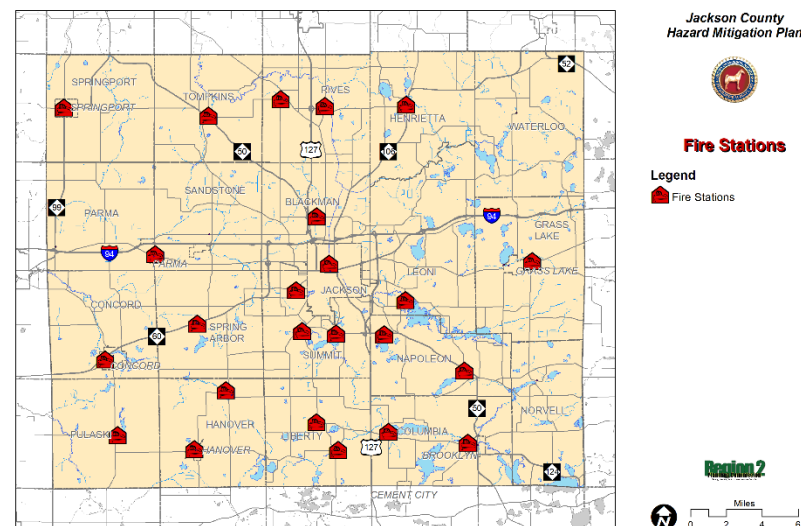
State of Michigan

The Michigan State Police (MSP) also serves Jackson County and its municipalities. MSP Jackson Post #13 is located on Cooper Street (M-106) in Blackman Township. Michigan's Departments of the Environment, Great Lakes, and Energy (EGLE) and Natural Resources (MDNR) also have enforcement officers who cover Jackson County.

Fire/Rescue Services and Facilities

Municipal fire department serve their residents and property/business owners, which respond as necessary to fires and emergencies and participate in Jackson County's mutual aid system. The fire departments and the municipalities they serve are (see the Municipal Halls/Office and Fire Stations map):

- **Blackman-Leoni Township Department of Public Safety.** Blackman and Leoni Townships
- **Cambridge Township Fire Department.** Norvell Township (southern $\frac{2}{3}$) and part of Lenawee County
- **Columbia Township Fire Department.** Villages of Brooklyn and Cement City (north of Jackson St.) and Columbia Township
- **Concord Fire Department.** Village and Township of Concord
- **Grass Lake Charter Township Fire Department.** Village and Charter Township of Grass Lake
- **Hanover Township Fire Department.** Village and Township of Hanover
- **Henrietta Township Fire Department.** Henrietta Township
- **Jackson Fire Department.** City of Jackson
- **Liberty Township Fire Department.** Liberty Township
- **Napoleon Township Fire Department.** Napoleon and Norvell (northern $\frac{1}{3}$) Townships
- **Parma-Sandstone Fire Department.** Village of Parma and Parma and Sandstone Townships
- **Pulaski Township Fire Department.** Pulaski Township
- **Rives-Tompkins Fire Department.** Rives and Tompkins Townships

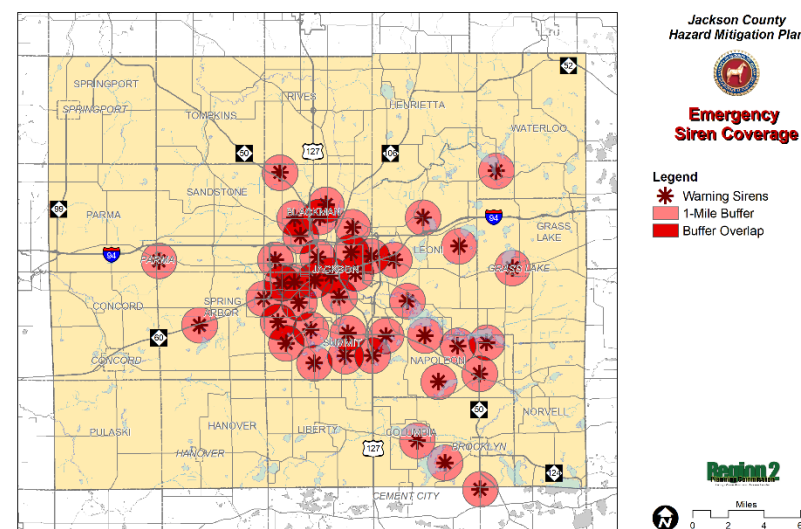


- **Spring Arbor Township Fire Department.** Spring Arbor Township
- **Springport/Clarence Fire Department.** Village of Springport, Springport Township, and part of Calhoun County
- **Stockbridge Area Emergency Services Authority.** Waterloo Township and part of Ingham County
- **Summit Township Fire Department.** Summit Township

Jackson Community Ambulance (JCA) provides paramedic emergency and non-emergency ambulance transportation to all of Jackson County and parts of Lenawee and Calhoun counties. JCA operates 25 ambulances out of several substations strategically located throughout the service area as well as its headquarters on Ingham St in the City of Jackson.

Emergency Warning Sirens

Jackson County has a system of emergency warning sirens to warn residents of the approach of tornadoes, nuclear attack, or other emergencies (see the Emergency Warning Sirens table and Emergency Siren Coverage map). The 39 sirens are located primarily in the City of Jackson and Blackman and Summit Townships as well as the developed/lake areas of the Townships of Columbia, Grass Lake, Leoni, Napoleon and Spring Arbor. However, several areas have no coverage including the Villages of Brooklyn, Concord, Hanover, Parma, and Springport. In addition, areas of concentrated development that lack sirens include the lake areas of Round and Farwell Lakes, Pleasant Lake, Vineyard Lake, and Wamplers Lake. Finally, populated areas in Horton and Hanover Township and in Norvell Township do not have siren coverage.



Emergency Warning Sirens

| Siren Name | Street | Intersection | | Siren Name | Street | Intersection |
|------------|---------------|----------------|--|------------|-----------------|--------------------------|
| B-1 | Rives Jct. | Van Horn Rd. | | MLC- | Portage Lake Rd | Lot 60 |
| B-2 | Lansing Ave | Cunningham Rd | | N-2 | Meridian Rd | Hart Rd |
| B-3 | Doney Rd | Springport Rd | | N-16 | Rexford Rd | Fairmont St |
| B-4 | Woodville Rd | Michigan Ave | | N-17 | Miles Rd | Napoleon Station 2 |
| B-7 | Parnall Rd | Township Hall | | N-18 | Lake St | Michigan Ave |
| B-8 | Parnall Rd | Rod Mills Park | | N-19 | North St | West Ave (Napoleon H.S.) |
| B-9 | Chanter Rd | Elm St | | N-20 | Stoney Lake Rd | Taylor Field |
| B-10 | Dettman Rd. | Osage Rd | | N-21 | Napoleon Rd | Olcott Dr. |
| Col-1 | Jefferson Rd. | Hayes Rd | | N-22 | Napoleon Rd | Anthony Dr |

| Siren Name | Street | Intersection | | Siren Name | Street | Intersection |
|------------|---------------|---------------------|--|------------|----------------|-----------------------|
| Col-2 | Hewitt Rd. | Turk Rd | | P-1 | Elizabeth St | Village of Parma Park |
| Col-3 | Brooklyn Rd. | Taylor Rd | | S-1 | Halstead Blvd | Morell St |
| J-1 | Jackson St. | Wesley St | | S-2 | S. Jackson | Wickwire Rd |
| J-2 | Bowen St. | Morell St | | S-3 | Maurice Ave | Cass Ave (Vandercook) |
| J-3 | West Ave. | North St | | S-4 | Cobb Rd | Dead End |
| J-4 | Fleming St. | Floral Area | | S-5 | Arbor Hills Rd | Pioneer Dr |
| J-5 | Pringle St. | City Fire Station 3 | | S-6 | Hague Ave | Marion Rd |
| J-6 | Milwaukee St. | Prospect | | S-7 | Brookside Dr | Vrooman Rd |
| L-1 | Fifth St. | Township Hall | | S-8 | W. Mardee | S. Mardee |
| L-2 | Sargent Rd. | Brills Lake Rd | | S-9 | Robinson Rd | Morrell St |
| L-3 | Sutton Rd. | Michigan Ave | | S-10 | Dibble Rd | Dead End |
| L-4 | Portage Rd. | Greenwood Rd | | | | |

Infrastructure

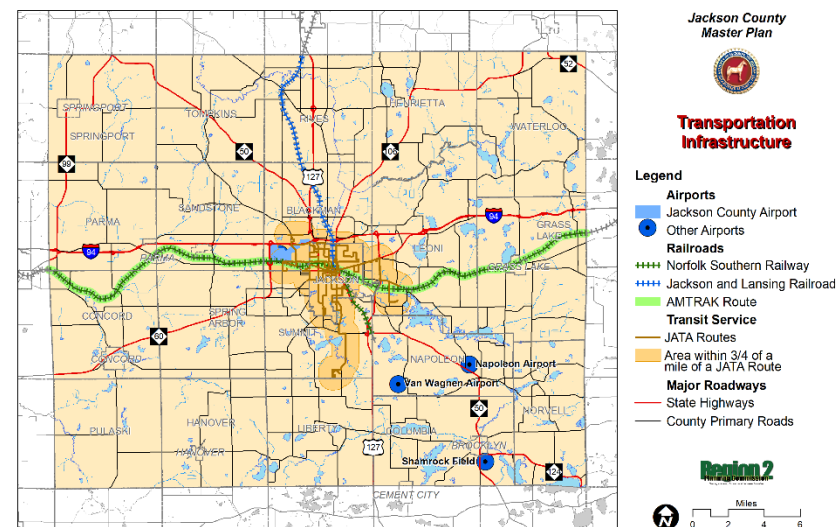
A variety of roadway and transit, railroad, airport, and pipeline infrastructure serves Jackson County.

Roadways and Transit

The Michigan Department of Transportation (MDOT) is in the long-term process of converting I-94, which runs east to west through the center of Jackson County, from a 4-lane to a 6- to 8-lane profile. US-127, which is a free-way from Summit Township to the north, bisects the County too (see the Transportation Infrastructure map). MDOT also provides various other state highways. The Jackson County Department of Transportation and its sister agencies in the City and the various villages operate the network of county primary and city major roadways, as well as local roads and streets, that complete the road network. The Jackson Area Transportation Authority (JATA) uses that network to provide bus service throughout the City of Jackson and into surrounding townships.

Railroads and Airports

The Michigan Department of Transportation (MDOT) maintains a rail line utilized by AMTRAK for passenger service and Norfolk Southern for freight (see the Transportation Infrastructure map). The Jackson and Lansing Railroad owns and operates a north of the MDOT line and Norfolk Southern owns and



operates a line to the south, both for freight. The Jackson County Airport—Reynolds Field, located in Blackman Township, is the primary air facility in Jackson County. Three smaller private airports are located in Columbia and Napoleon Townships, to the southeast.

Pipelines

Various natural gas and liquid pipelines traverse Jackson County (see the Gas and Liquid Pipeline map). Citgo and Marathon Petroleum both operated depots in Blackman Township. The Buckeye Terminal (BP) is located in Napoleon Township.

Existing Land Use

Property assessment data shows that residential, commercial, and industrial development is concentrated in the Jackson Urbanized Area and various villages as well as along state highways and other major roadways in 2019 (see the Property Assessment map). Residential development is also a significant component of every township. Exempt properties allude to the copious amount of public lands located throughout Jackson County. Land cover data highlights the forested areas of Jackson County (see the Land Use and Land Cover map).

