2 PLANNING AREA PROFILE AND CAPABILITIES

This chapter provides a general profile of Jackson County and jurisdictions within it including an overview profile as well as details on existing capabilities, plans, and programs that enhance the participating jurisdictions and county's ability to implement mitigation strategies.

2.1 Jackson County Planning Area Profile

Figure 2.1 provides a map of the Jackson County planning area. The planning area boundaries include the unincorporated areas of Jackson County as well as the following incorporated cities: Andrew, Baldwin, Bellevue, LaMotte, Maquoketa, Miles, Monmouth, Preston, Sabula, St. Donatus, Spragueville, and Springbrook. The following school districts that participated in the development of this plan are also included in the planning area: Andrew Community School District, Bellevue Community School District, Easton Valley Community School District, and Maquoketa Community School District. The school districts are discussed separately in **Section 2.3.**

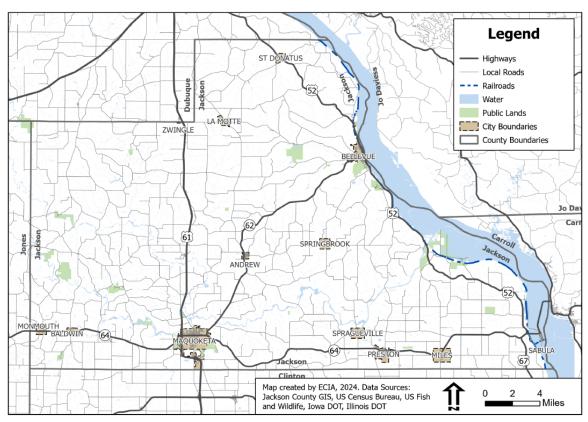


Figure 2.1 Jackson County Planning Area

2.1.1 Geography and Topography

Jackson County, Iowa is a central-eastern county located along the eastern border of Iowa bordered on the east by the Mississippi River. The City of Maquoketa is the county seat. The county has a total area of 656 square miles.

Adjacent counties are as follows:

- Dubuque County (north)
- Jo Daviess County, Illinois (northeast), across the Mississippi River
- Carroll County, Illinois (east), across the Mississippi River
- Clinton County (south)
- Jones County (west)

2.1.2 Major Rivers and Watersheds

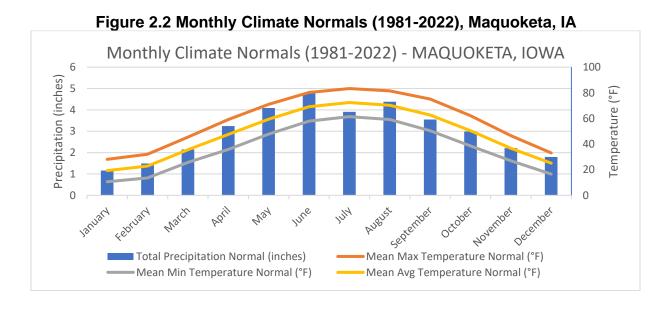
The Mississippi River provides the eastern boundary for Jackson County. The Maquoketa River flows diagonally through Jackson County from the northwest to the southeast, emptying into the Mississippi River. Numerous small creeks, branches of rivers, and streams flow through the County. Jackson County has two major watershed areas: Apple-Plum & Maquoketa. Additional information on the watersheds can be found in Chapter 3.

2.1.3 History

Jackson County is named for Andrew Jackson, the seventh president of the United States. The County Commissioners first convened in 1838 at the original county seat, Bellevue. After some rivalry, the present county seat Maquoketa was decided upon by vote in 1873. This town's population had increased considerably since the railroads had reached it. The first courthouse was a large city hall that was rented to the county, but it became outgrown by the 1930's. The present courthouse was built in 1958-59. Source: https://jacksoncounty.iowa.gov/about/

2.1.4 Climate

Jackson County, like the entire state of Iowa, is within the humid continental zone. The mean temperature of the county in the summer months is 69.8 degrees Fahrenheit and 21 degrees Fahrenheit in the winter. Seasons fluctuate from being very wet to very dry, and temperatures can fluctuate greatly in spring and autumn months. Average annual precipitation is approximately 37 inches. **Figure 2.2** and **Table 2.1** provide monthly climate normal for Jackson, lowa from 1981 to 2022.



Jackson County, IA Multi-Jurisdictional Hazard Mitigation Plan 2024

Source: High Plains Regional Climate Center

Table 2.1 Monthly Climate Normals (1981-2022) Maquoketa, IA

| | itiliy Olimate Hori | | | |
|-----------|---------------------|-------------|-------------|-------------|
| | Total | Mean Max | Mean Min | Mean Avg |
| | Precipitation | Temperature | Temperature | Temperature |
| Month | Normal (inches) | Normal (°F) | Normal (°F) | Normal (°F) |
| January | 1.16 | 28.1 | 10.6 | 19.3 |
| February | 1.49 | 32.1 | 13.6 | 22.8 |
| March | 2.15 | 45.4 | 25.7 | 35.6 |
| April | 3.24 | 59.2 | 35.8 | 47.5 |
| May | 4.09 | 71 | 47.8 | 59.4 |
| June | 4.77 | 80.3 | 57.9 | 69.1 |
| July | 3.91 | 83.3 | 61.4 | 72.4 |
| August | 4.38 | 81.5 | 59.1 | 70.3 |
| September | 3.55 | 75.1 | 50.4 | 62.7 |
| October | 2.99 | 62.1 | 38.6 | 50.4 |
| November | 2.21 | 46.6 | 27 | 36.7 |
| December | 1.8 | 33 | 16.6 | 25.1 |
| Annual | 37.02 | 58.4 | 37.3 | 48.3 |

Source: High Plains Regional Climate Center

2.1.5 Population/Demographics

The 2020 population of Jackson County was 19,485. This is down from the 2010 census population of 19,848. **Table 2.2** provides the populations for each city and the unincorporated county for 2010 and 2020 with the number and percent change from 2010 to 2020. The unincorporated area population was determined by subtracting the populations of the incorporated areas from the overall county population.

Table 2.2 Jackson County Population 2010-2020 by City

| Table 2.2 Jackson County | | | | |
|--------------------------|-----------------|-----------------|----------|----------|
| Jurisdiction | 2010 Population | 2020 Population | # Change | % Change |
| Iowa | 3,046,355 | 3,190,369 | 144,014 | 4.73% |
| Jackson County Total | 19,848 | 19,485 | -363 | -1.83% |
| Andrew | 434 | 380 | -54 | -12.44% |
| Baldwin | 109 | 99 | -10 | -9.17% |
| Bellevue | 2,191 | 2,363 | 172 | 7.85% |
| LaMotte | 260 | 237 | -23 | -8.85% |
| Maquoketa | 6,141 | 6,128 | -13 | -0.21% |
| Miles | 445 | 408 | -37 | -8.31% |
| Monmouth | 153 | 129 | -24 | -15.69% |
| Preston | 1,012 | 949 | -63 | -6.23% |
| Sabula | 576 | 506 | -70 | -12.15% |
| St. Donatus | 135 | 120 | -15 | -11.11% |
| Spragueville | 81 | 92 | 11 | 13.58% |
| Springbrook | 144 | 143 | -1 | -0.69% |
| Unincorporated (est.) | 8,167 | 7,931 | -236 | -2.89% |

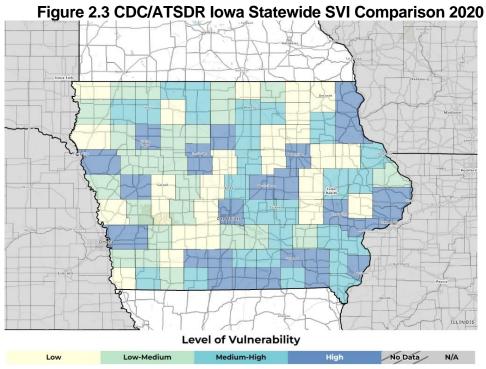
Source: US Census Bureau: 2010 Decennial Census, 2020 Decennial Census.

According to the 2023 U.S. Census Bureau Quick Facts for Jackon County, 5.5 percent of the population is under age 5 and 22.1% percent of the population is over age 65 in Jackson County.

According to the 2022 American Community Survey 5-Year Estimates, there were 8,109 households with an average household size of 2.37 people.

The Hazards and Vulnerability Research Institute at the University of South Carolina developed the Social Vulnerability Index (SoVI ®) to evaluate and rank the ability to respond to, cope with, recover from, and adapt to stress of hazardous events ranging from natural disasters, such as tornadoes or disease outbreaks, to human-caused threats, such as toxic chemical spills. The CDC/ATSDR Social Vulnerability Index (CDC/ATSDR SVI 2020) County Map depicts the social vulnerability of communities, at census tract level within a specified county. The index synthesizes 30 socioeconomic variables, which the research literature suggests contributing to reduction in a community's ability to prepare for, respond to, and recover from hazards. SoVI ® data sources include primarily those from the United States Census Bureau.

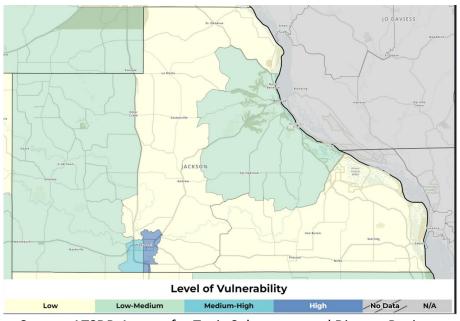
Figure 2.3 shows that Jackson County has a low-medium Social Vulnerability Index. The low-medium index indicates that in general Jackson County's demographic indicators generally indicate low-medium difficulty recovering from disasters.



Source: ATSDR-Agency for Toxic Substances and Disease Registry

Further, when the data is broken down to census tracts within the county in **Figure 2.4**, we see greater variability. In Maquoketa and unincorporated Jackson County immediately surrounding Maquoketa, the SVI is Medium-High and High, and therefore, the most vulnerable.

Figure 2.4 CDC/ATSDR Social Vulnerability Index 2020 – Jackson County, Iowa



Source: ATSDR-Agency for Toxic Substances and Disease Registry

Table 2.3 provides additional demographic and economic indicators for Jackson County. The Jackson County values are for all of Jackson County, including the incorporated cities.

Table 2.3 Unemployment, Income, and Poverty Demographics, Jackson County, Iowa

| Jurisdiction | Civilian Labor Force - Percent Unemployed | Median Household Income (Dollars) | Percentage Of People Below The Poverty Level | Population 16 Years And Over |
|----------------|---|--|--|------------------------------------|
| lowa | 2.50% | \$70,571 | 11.1 | 2,544,719 |
| Jackson County | 2.60% | \$69,709 | 10.2 | 15,738 |
| Andrew | 5.80% | \$61,613 | 10.2 | 329 |
| Baldwin | 0% | \$45,000 | 21.8 | 107 |
| Bellevue | 0.60% | \$72,188 | 9.4 | 1,669 |
| LaMotte | 1.80% | \$78,750 | 11.2 | 223 |
| Maquoketa | 4.40% | \$53,462 | 16.7 | 4,914 |
| Miles | 0.90% | \$63,125 | 12.8 | 333 |
| Monmouth | 0.80% | \$57,500 | 16.9 | 121 |
| Preston | 0.10% | \$81,542 | 14.2 | 824 |
| Sabula | 2.30% | \$54,375 | 14.1 | 472 |
| St. Donatus | 0% | \$39,750 | 12.5 | 125 |
| Spragueville | 0% | \$71,250 | 14.7 | 74 |
| Springbrook | 0% | \$82,813 | 14.8 | 108 |

Source: U.S. Census Bureau, 2022 American Community Survey, 5-Year Estimates 2.1.6 Occupations

The U.S. Census, 2022 American Community Survey, 5-year Estimates, provides occupation statistics for the incorporated cities and the county for the civilian employed population 16 years and over.

Table 2.4 Occupations, Jackson County, Iowa

| Jurisdiction | Management, business, science, and arts occupations | Service occupations | Sales and office occupations | Natural resources, construction, and maintenance occupations | Production, transportation, and material moving occupations |
|----------------|---|------------------------|------------------------------|---|---|
| Jackson County | 2,830 | 1,362 | 1,898 | 1,382 | 1,900 |
| Andrew | 31 | 86 | 28 | 15 | 57 |
| Baldwin | 23 | 3 | 5 | 4 | 21 |
| Bellevue | 346 | 183 | 162 | 136 | 169 |
| LaMotte | 32 | 25 | 34 | 20 | 36 |
| Maquoketa | 775 | 398 | 607 | 420 | 479 |
| Miles | 48 | 17 | 35 | 38 | 58 |
| Monmouth | 11 | 8 | 8 | 13 | 29 |
| Preston | 87 | 68 | 129 | 66 | 148 |
| Sabula | 29 | 38 | 55 | 18 | 89 |
| St. Donatus | 12 | 18 | 12 | 6 | 26 |
| Spragueville | 8 | 3 | - | 11 | 17 |
| Springbrook | | | 17 | 13 | 10 |

Source: American Community Survey 5-Year Estimates, Table S2401

2.1.7 Agriculture

Because of the fertility of the soils in Jackson County and the climate conditions, agricultural crops and livestock are important contributors to the economy of Jackson County.

According to the 2022 U.S. Census of Agriculture County Summary Highlights there were 1,131 farms in the County covering 292,239 acres of land (71.8 percent of the 636 square miles (407,040 acres) of County land). Crop and livestock production are visible parts of the agricultural economy, but many related businesses contribute by producing, processing, and marketing farm and food products. These businesses generate income, employment, and economic activity throughout the region. Farms on average were 258 acres, representing a 4.8% increase from 2017. Family farms account for 96% of farms in lowa, and of the 2,448 total producers in lowa, 2,445 are White. Jackson County agriculture and economy contributions are summarized in additional detail in Section 3.2.2 of Chapter 3.

2.1.8 FEMA Hazard Mitigation Assistance Grants in Planning Area

There have been no previous FEMA Hazard Mitigation Assistance Grants in the planning area.

2.1.9 Jackson County Major Highways

US Highway 61 crosses the county north to south, while US Highway 52 follows the eastern edge of the county and runs, generally, along the Mississippi River. State Highways 62 and 64 meander east to west through Jackson County, meeting in the city of Maquoketa. Numerous paved county roads connect all the incorporated cities and unincorporated villages throughout the county.

U.S. Highway 61

U.S. Highway 52

Iowa Highway 62

Iowa Highway 64

Additional details of transportation systems in Jackson County are provided in Section 3.4.17, Transportation Incident.

2.2 City/County Capabilities

Unincorporated Jackson County is governed by a 3-member Board of Supervisors. Each incorporated city is governed by a five-member Mayor/City Council. Jackson County has an active Emergency Management Commission that coordinates emergency management capabilities in the County. Jackson County participates in the Emergency Notification System (CCENS), part of the Alert Iowa system contracted with Rave Mobile Safety. All jurisdictions within the County can utilize this service. Subsections 2.2.1 through 2.3 provide capability information for the unincorporated county and incorporated cities.

2.2.1 Planning and Regulatory Capabilities

Planning and regulatory capabilities are based on the implementation of ordinances, policies, local laws, and plans and programs that relate to guiding and managing growth and development. **Table 2.5** provides a summary of the relevant plans, ordinances, and programs already in place across the Jackson County region based on capability assessment responses.

Table 2.5 Planning and Regulatory Capabilities

| | Jackson Co | Andrew | Baldwin | Bellevue | LaMotte | Maquoketa | Miles | Monmouth | Preston | Sabula | St. Donatus | Spragueville | Springbrook |
|---|------------|--------|----------|----------|----------|-----------|----------|----------|--------------|----------|-------------|--------------|-------------|
| Planning Capabilities | | | | | | r | | | | | | | |
| Comprehensive Plan | ✓ | | | ✓ | | ✓ | | | \checkmark | ✓ | | | |
| Emergency Plan | √ | | | √ | | | √ | | √ | √ | | | ✓ |
| Recovery Plan | ✓ | | | | | | | | √ | ✓ | | | |
| Mitigation | ✓ | | | | | | | | √ | ✓ | | | |
| Debris Management Plan | | | | | | | ✓ | | | | | | ✓ |
| Economic Development Plan | | | | √ | | | | | √ | √ | | | |
| Transportation Plan | √ | | | | | | | | | √ | | | |
| Land-use Plan | √ | | | √ | | | | | | √ | | | |
| Flood Mitigation Assistance (FMA) Plan | | | √ | | √ | | | | √ | ✓ | | | |
| Watershed Plan | ✓ | | | | \ | | | | | | | | ✓ |
| Firewise or other fire mitigation plan | | | | | | √ | √ | | | | | | |
| Critical Facilities Plan (Mitigation/Response/Recovery) | √ | | | √ | | | | | | √ | | | |

| Policies/Ordinance | Jackson Co | Andrew | Baldwin | Bellevue | LaMotte | Maquoketa | Miles | Monmouth | Preston | Sabula | St. Donatus | Spragueville | Springbrook |
|--|------------|----------|----------|----------|----------|-----------|----------|----------|--------------|--------------|-------------|--------------|-------------|
| Zoning Ordinance | √ | ✓ | | √ | | √ | √ | | | | | | √ |
| Building Code | • | _ | | √ | | √ | • | | √ | | √ | | √ |
| Floodplain Ordinance | √ | | | √ | | • | | √ | √ | √ | √ | √ | • |
| Subdivision Ordinance | ✓ | | | √ | | | | • | √ | · ✓ | • | • | √ |
| Tree Trimming Ordinance | | | √ | ✓ | | | √ | √ | · | · | ✓ | | √ |
| Nuisance Ordinance | √ | √ | | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Storm Water Ordinance | | | | √ | √ | | | | √ | √ | √ | √ | |
| Drainage Ordinance | | | | √ | | | √ | | | | √ | √ | |
| Site Plan Review Requirement | √ | | | √ | | √ | | | | | ✓ | | |
| Historic Preservation Ordinance | √ | | | √ | | √ | | | | | ✓ | | |
| Landscape Ordinance | | | | | | | | | | | √ | | √ |
| Program | | | | | | | | | | | | | |
| Zoning /Land Use Restriction | ✓ | ✓ | | ✓ | | ✓ | | | | | ✓ | | ✓ |
| Codes Building Site/Design | | | | ✓ | | ✓ | | | | / | ✓ | | ✓ |
| National Flood Insurance Program (NFIP) Participant | ✓ | | \ | ✓ | ✓ | \ | \ | ✓ | \ | ✓ | √ | \ | |
| NFIP Community Rating System (CRS) Participating Community | | | | | | | | | | | | | |
| Hazard Awareness Program | ✓ | | | | ✓ | | | | \checkmark | | | | |
| National Weather Service (NWS) Storm Ready/RAVE Alert | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Building Code Effectiveness (BCEGS) | | | | | | | | | | | | | |
| ISO Fire Rating | | ✓ | | ✓ | | \ | \ | | ✓ | | ✓ | | |
| | | | | √ | | √ | | | √ | √ | | | |
| Economic Development Program | | | | | | | | | | , | | | |
| Economic Development Program Land Use Program | | | | ✓ | | √ | | | | \checkmark | | | |
| | √ | | | √ | | √ | √ | | √ | √ √ | | | |
| Land Use Program | √ | | | ✓ ✓ | | √ ✓ | √ | | √ | | | | |

Source: HMPC-Data collection worksheets 2024

From 2013 to 2024, Jackson County has engaged in many planning efforts at the county level and in various regional partnerships as shown in **Table 2.6.** The HMPC reviewed these plans and incorporated them in the Mitigation Plan Update.

Table 2.6 Planning History for Jackson County, 2013-2024

| | to Flamming History for Jackson County, 2013-2024 |
|-----------|--|
| Year | List of Jackson County and Regional Plans |
| 2013 | Jackson County Multi-Jurisdictional Hazard Mitigation Plan adopted |
| 2015 | Jackson County Housing Needs Assessment completed |
| | Grant Wood Loop Master Plan adopted for Dubuque, Jackson, and Jones |
| 2016 | Counties |
| 2018 | Jackson County Tomorrow Strategic Plan completed |
| 2019 | Jackson County Multi-Jurisdictional Hazard Mitigation Plan updated |
| 2020 | Jackson County Community Health Needs Assessment completed |
| | Comprehensive Economic Development Strategy 2022-2027 adopted for Cedar, Clinton, Delaware, Dubuque, and Jackson Counties |
| 2021 | Maquoketa River Watershed Management Plan: Phases 1 and 2 adopted for Buchanan, Clayton, Clinton, Delaware, Dubuque, Fayette, Jackson, Jones, and Linn Counties. |
| | Jackson County Water Trails Plan adopted |
| | Jackson County Soil and Water Conservation District Five-Year Plan 2021- 2025 completed |
| | RPA 2045 Long Range Transportation Plan adopted |
| 2022 | Grant Wood Loop Master Plan Update adopted |
| 2022 | Jackson County Innovate 120 Final Report completed |
| | Jackson County Clean Energy Plan completed |
| | Maquoketa River Watershed Management Plan: Phases 1 and 2 adopted for Buchanan, Clayton, Clinton, Delaware, Dubuque, Fayette, Jackson, Jones, and Linn Counties. |
| 2023 | RPA Federal Fiscal Year 2024-2027 Transportation Improvement Program approved |
| | Jackson County Conservation 5 Year Outdoor Recreation Plan completed |
| | Jackson County Conservation 5 Year Environmental Education Plan completed |
| | Jackson County Engineering 5 Year Road Plan Fiscal Year 2024-2028 approved |
| 2024 | Jackson County Comprehensive Plan adoption |
| Source: I | ECIA |

2.2.2 Administrative and Technical Capabilities

Administrative and technical capabilities refer to the jurisdiction's staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. It also refers to the ability to access and coordinate these resources effectively.

Table 2.7 provides a summary of the types of personnel employed by each jurisdiction, the resources available to implement mitigation actions and local organizations available to assist with community outreach.

Table 2.7 Administrative and Technical Capabilities

| | Co | | | | | ā | | Ч | | | Sn | ille | ok |
|---|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|--------------|-------------|
| | Jackson (| Andrew | Baldwin | Sellevue | -aMotte | Vaquoketa | ŵ | Vonmouth | Preston | ula | Donatus | Spragueville | Springbrook |
| | Jack | And | Balc | Bell | LaN | Мас | Miles | Mor | Pre | Sabula | St. I | Spra | Spri |
| Staff/Department | | | | | | | | | | | | | |
| Mayor | | √ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| City Administrator | | | | √ | | √ | | | | | | | |
| City Clerk | | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Building Code Official | | | | | | √ | | | | | | | |
| Building Inspector | | | | | | ✓ | | | | | | | |
| Mapping Specialist (GIS) | √ | | | | | | | | | | | | |
| Engineer | √ | | | √ | | √ | | | √ | | | | |
| Development Planner | | | | | | √ | | | | | | | |
| Public Works Official | | | √ | √ | √ | √ | √ | | √ | √ | √ | | |
| Emergency Management Coordinator | √ | | | ✓ | | | | | √ | | | √ | |
| NFIP Floodplain Administrator | √ | | | | √ | | | | | √ | | √ | |
| Bomb and/or Arson Squad | | ✓ | | | | ✓ | | | ✓ | | | | |
| Emergency Response Team | | √ | | √ | | √ | | | √ | √ | | √ | |
| Hazardous Materials Expert | √ | √ | | √ | | √ | | | √ | | | | |
| Fire Department | √ | √ | | √ | | √ | √ | | √ | √ | | | √ |
| Law Enforcement | √ | | | √ | | √ | √ | | √ | √ | | | |
| Local Emergency Planning Committee | √ | | √ | √ | | | | | | | | | |
| County Emergency Management Commission | √ | | √ | √ | √ | | √ | √ | √ | √ | √ | √ | √ |
| Sanitation Department | | | ✓ | ✓ | | | | | √ | √ | | √ | |
| Transportation Department | | | | √ | | √ | | | | | | | |
| Economic Development Department | | | | √ | | √ | | | | | | | |
| Regional Planning Agencies | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | ✓ |
| Historic Preservation | | | | | | √ | | | | | | | |
| Mutual Aid Agreements | | ✓ | | √ | _ | √ | √ | √ | √ | | √ | √ | ✓ |

| | Jackson Co | Andrew | Baldwin | Bellevue | LaMotte | Maquoketa | Miles | Monmouth | Preston | Sabula | St. Donatus | Spragueville | Springbrook |
|--|------------|----------|----------|----------|----------|-----------|-------|----------|----------|----------|-------------|--------------|-------------|
| Studies/Reports/Maps | | | | | | | | | | | | | |
| Hazard Analysis/Risk Assessment | | | | | | | | | √ | | | | √ |
| Flood Insurance Maps | ✓ | | | | | ✓ | | ✓ | | ✓ | ✓ | | |
| FEMA Flood Insurance Study (Detailed) | √ | | | | | | | | | √ | | < | |
| Critical Facilities Inventory | | | √ | √ | | | | | | √ | | | |
| Vulnerable Population Inventory | | | | √ | | √ | | | | √ | √ | | |
| Land Use Map | √ | | | √ | | √ | | | | ✓ | ✓ | | ✓ |
| Local | • | | | | | • | • | | | | | | |
| American Red Cross | √ | | | | | | | | √ | √ | | | |
| Salvation Army | | | | | | | | | | √ | | | |
| Veterans Groups | ✓ | | ✓ | √ | | √ | ✓ | | | ✓ | | | |
| Environmental Organization | | | | | | | | | | √ | | | |
| Homeowner Associations | | | | √ | | | | | | | | | |
| Neighborhood Associations | √ | | | | | | | | | | | | |
| Chamber of Commerce | | | | √ | | ✓ | | | √ | | | | |
| Community Organizations (Lions, Kiwanis, etc.) | √ | √ | | √ | √ | √ | | | √ | √ | | √ | |

Source: HMPC-Data Collection

2.2.3 Financial Capabilities

Financial capabilities are the resources that a jurisdiction has access to or is eligible to use to fund mitigation actions. **Table 2.8** provides a summary of possible funding sources a community may have access to. It is understood that some governments have access to recurring sources of revenue beyond property, sales, and income taxes, such as stormwater utility or development fees.

Table 2.8 Financial Capabilities

| | | | | | | | | | | | - 12 | (D) | |
|--|-------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|-------------|--------------|-------------|
| | Jackson Co | Andrew | Baldwin | Bellevue | LaMotte | Maquoketa | Miles | Monmouth | Preston | Sabula | St. Donatus | Spragueville | Springbrook |
| Financial Resources | | | | | | | | | | | | | |
| Apply for Community Development Block Grants | ✓ | | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | ✓ |
| Fund projects through Capital Improvements funding | > | | | √ | √ | √ | √ | √ | √ | √ | √ | √ | ✓ |
| Federal Funding Programs (non-FEMA) | √ | | √ | √ | √ | √ | √ | √ | | | √ | | √ |
| Authority to levy taxes for specific purposes | √ | √ | √ | √ | √ | √ | | √ | √ | √ | | √ | |
| Fees for water, sewer, gas, or electric services | | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Impact fees for new development | | | | | | √ | | | | | | √ | √ |
| Incur debt through general obligation bonds | √ | | | √ | √ | √ | | √ | | √ | | √ | √ |
| Incur debt through special tax bonds | | | √ | √ | | | | √ | | √ | | √ | √ |
| Incur debt through private activities | | | | | | | √ | √ | √ | | | | |
| Withhold spending in hazard prone areas | | | | | | | | | | √ | > | | |
| Stormwater utility fee | | | | √ | | √ | | | | | | | |

2.2.4 Education and Outreach Capabilities

This type of capability refers to education and outreach programs and methods already in place that could be used to aid a jurisdiction in implementing mitigation activities and communicating hazard-related information. **Table 2.9** provides a summary of what types of activities or communications are available to improve a jurisdiction's awareness of hazards and risks.

Table 2.9 Additional Jurisdictional Capabilities

| Jurisdiction | Mitigation related Public Education & Outreach Programs | FEMA Standards Tornado Safe Rooms Location |
|--------------------------------|---|--|
| Jackson County, county wide | Rave Alert available for all county residents effective July 21, 2021 - free alert service providing local emergency notifications to be better prepared for an emergency; residents received timely and actionable emergency alerts via email, text, or voice message. Residents and travelers can also download the Smart911 app to sign up for Rave to receive key information needed in an emergency. | |
| Jackson County, unincorporated | none reported | |
| Andrew | none reported | |
| Baldwin | none reported | |
| Bellevue | none reported | |
| LaMotte | none reported | |
| Maquoketa | Maquoketa Fire Dept host annual Operation Edith where residents practice home fire exits. The city tests sirens monthly. City established heat/cooling centers in event of extreme temperatures. | City hall basement; city library basement |
| Miles | none reported | |
| Monmouth | none reported | |
| Preston | none reported | |
| Sabula | Gas Awareness Program | N/A |
| Spragueville | none reported | |
| Springbrook | none reported | |
| St. Donatus | none done at city level; done at county | no changes since 2019 - private safe shelters by residents |

Table 2.10 provides each jurisdiction's overall capability to implement mitigation projects based on the jurisdiction's self-assessment gathered in the data collection worksheets.

Table 2.10 Jurisdiction's overall capability in the following ways to implement mitigation projects (L=Limited, M=Moderate, H=High, NR=Not Reported)

| Overall Capability | Jackson Co | Andrew | Baldwin | Bellevue | LaMotte | Maquoketa | Miles | Monmouth | Preston | Sabula | St. Donatus | Spragueville | Springbrook |
|------------------------|------------|--------|---------|----------|---------|-----------|-------|----------|---------|--------|-------------|--------------|-------------|
| Financial resources | L | L | L | NR | L | L | NR | L | L | NR | ┙ | NR | L |
| Staff and/or expertise | L | L | L | NR | L | М | NR | L | L | NR | L | NR | L |
| Community support | L | М | L | NR | L | М | NR | L | L | NR | М | NR | L |
| Time to devote | L | М | L | NR | L | L | NR | L | L | NR | М | NR | L |

Source: Data Collection Worksheets - 2024

2.3 Public School District Profiles and Mitigation Capabilities

This section includes general profile information for four Jackson County school districts. The school districts with buildings in the planning area are as follows.

- Andrew Public School District
- Bellevue Public School District
- Easton Valley Public School District
- Maquoketa Public School District

Figure 2.5 Jackson County, Iowa Public School Districts

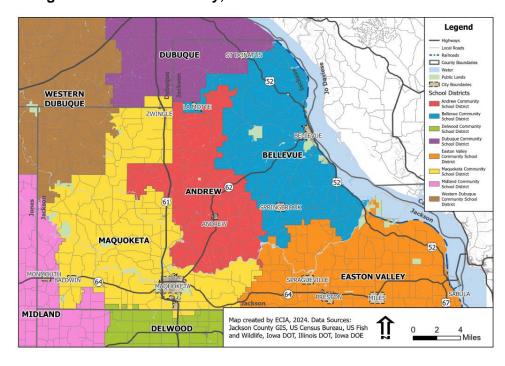


Figure 2.5 provides the boundaries of the school districts in Jackson County.

Portions of other school district boundaries extend into Jackson County from adjacent counties. However, there are no buildings associated with these school districts in Jackson County.

Table 2.11 that follows provides location and enrollment information for each school district.

| Table 2.11 Jackson County School Buildings and Enrollment Data, 2023-2024 | | | |
|---|---------------------|--|--|
| District Name/Building Name | Total Enrollment | | |
| Andrew Community School District | 148 | | |
| Andrew Elementary School | 148 | | |
| Bellevue Community School District | 804 | | |
| Bellevue Elementary School | 426 | | |
| Bellevue High School | 364 | | |
| St. Joseph's Preschool | 14 | | |
| Easton Valley Community School District | 497 | | |
| Easton Valley Elementary School | 286 | | |
| Easton Valley Junior High / High School | 211 | | |
| Maquoketa Community School District | 1,318 | | |
| Briggs Elementary School | 190 | | |
| Cardinal Elementary School | 266 | | |
| Little Shepherd Preschool | 13 | | |
| Maquoketa Middle School | 329 | | |
| Maquoketa Community School District | 495 | | |
| Sacred Heart Preschool | 25 | | |
| Grand Total | 2,767 | | |

Source: Iowa Department of Education Public School Building: 2023-2024 Student Enrollment: https://educate.iowa.gov/pk-12/data/education-statistics

Potential capabilities to implement mitigation programs and projects can vary among school districts. To determine mitigation capabilities, each of the participating school districts completed a Data Collection Guide to report planning, personnel, fiscal and other capabilities related to implementation of mitigation programs and projects. **Table 2.12** provides a summary of the reported capabilities for each participating school district.

Table 2.12 Summary of School District Capabilities

| Capability | Andrew Public School District | Bellevue Public School District | Easton Valley Public School District | Maquoketa Public School District |
|--|--|--|---|---|
| Planning Elements | | | | |
| Master Plan | NR | Yes - 8/2022 | NR | NR |
| Capital Improvement Plan | NR | NR | NR | NR |
| School Emergency Plan | NR | Yes - 7/2023 | NR | NR |
| Weapons Policy | NR | Yes - 6/2022 | NR | NR |
| Personnel Resources | | | | |
| Full time building official (i.e. principal) | NR | Yes | NR | NR |

| Capability | Andrew Public School District | Bellevue Public School District | Easton Valley Public School District | Maquoketa Public School District |
|--|--|--|---|---|
| Emergency Manager | NR | Yes | NR | NR |
| Grant Writer | NR | Yes | NR | NR |
| Public Information Officer | NR | Yes | NR | NR |
| Financial Resources | | | | |
| Capital Improvements project funding | NR | Yes | NR | NR |
| Local Funds | NR | Yes | NR | NR |
| General Obligation Bonds | NR | Yes | NR | NR |
| Special Tax Bonds | NR | | NR | NR |
| Private activities/donations | NR | Yes | NR | NR |
| State and Federal Funds | NR | Yes | NR | NR |
| Other (describe) | NR | NR | NR | NR |
| Education & Outreach Capability | | | | |
| Ongoing education or information regarding (responsible water use, fire safety, household preparedness, environmental education) | NR | Yes - Real life course annually | NR | NR |
| Natural Disaster or Safety related School Program | NR | NR | NR | NR |
| Other (describe) | NR | NR | NR | NR |

Source: HMPC-Data Collection Worksheets 2024

NR=Not Reported

Table 2.13 provides each school district's overall capability to implement mitigation projects based on the school district's self-assessment gathered in the data collection worksheets.

| | Andrew | Bellevue | | Maquoketa |
|---|----------|----------|---------------|-----------|
| | Public | Public | Easton Valley | Public |
| | School | School | Public School | School |
| Overall Capability | District | District | District | District |
| Financial resources needed to implement | | | | |
| mitigation projects | NR | Limited | NR | NR |
| Staff/expertise to implement projects | NR | Moderate | NR | NR |
| Community support to implement projects | NR | Moderate | NR | NR |
| Time to devote to hazard mitigation | NR | Moderate | NR | NR |

Source: HMPC-Data Collection Worksheets 2024

NR=Not Reported