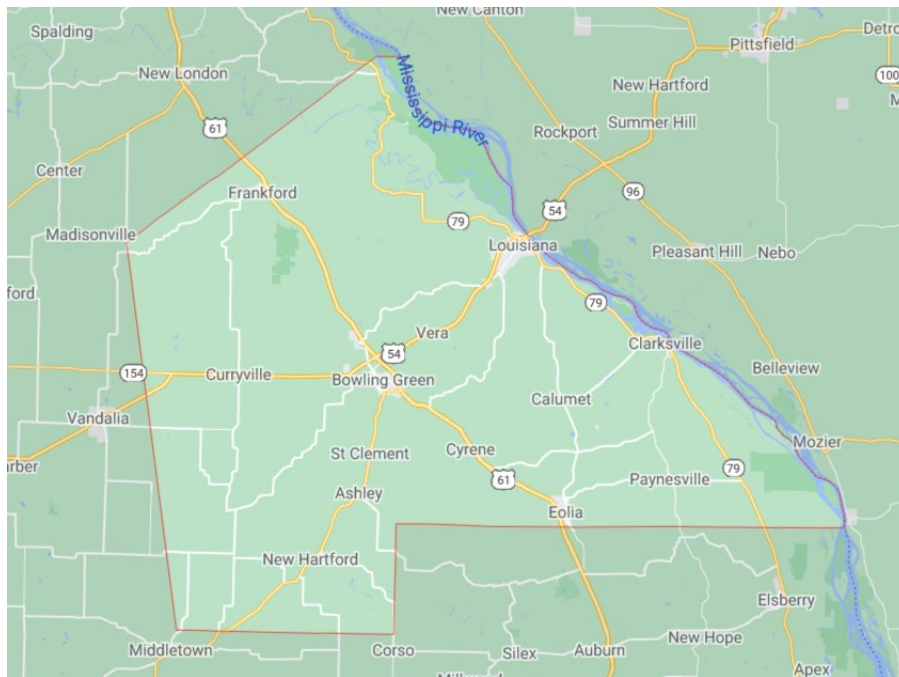


## 2 PLANNING AREA PROFILE AND CAPABILITIES

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### 2.1 PIKE COUNTY PLANNING AREA PROFILE

**Figure 2.1. Map of Pike County**



Pike County’s location is in the northeastern portion of the U.S. State of Missouri. According to the most recent United States Census Bureau data, the population was 17,587 and the median household income was \$46,385. The County seat is Bowling Green. Its namesake was a city in

middle Kentucky, a region from where many early migrants came. The county was organized December 14, 1818 and named for explorer Zebulon Pike. Pike County is said to be the home of Momo (The Missouri Monster). The first reported sightings in the 1970s were traced to various locations throughout the county.

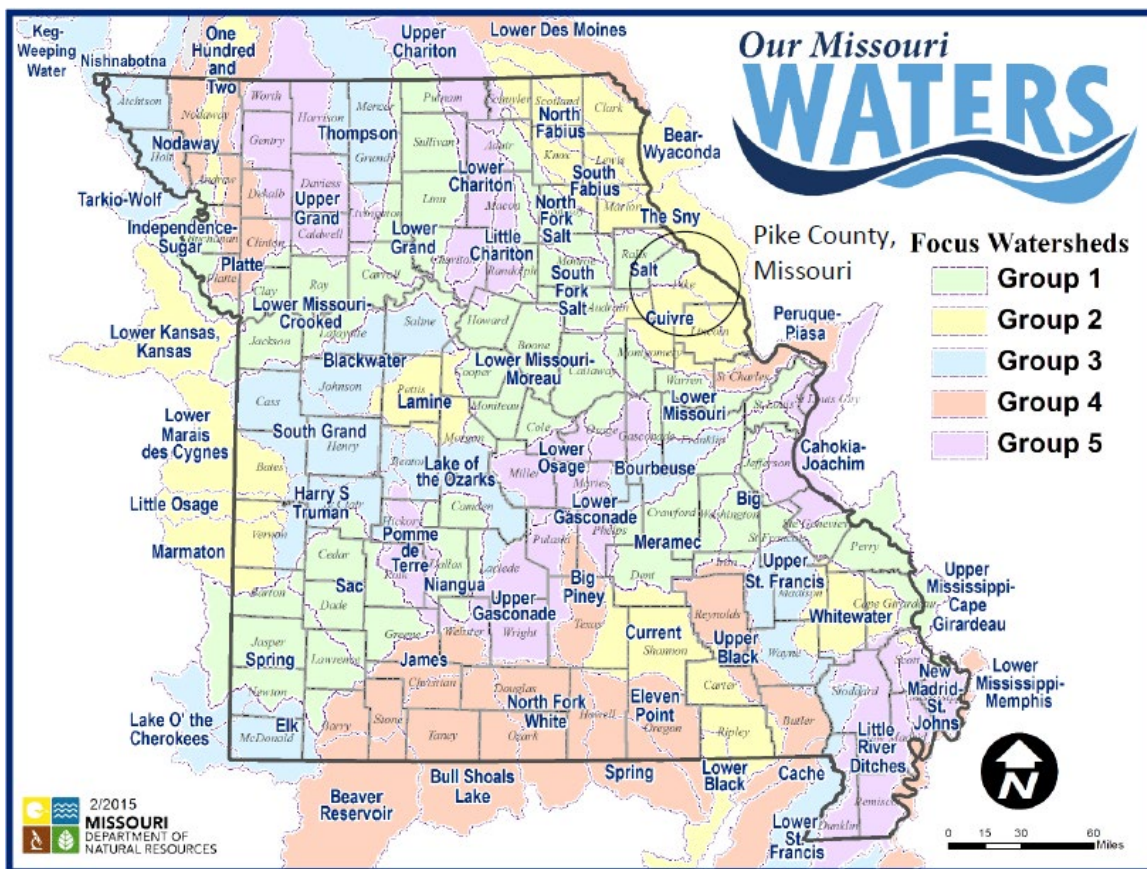
### 2.1.1 Geography, Geology and Topography

The County has a total of 685 square miles of land and approximately 14 square miles is water.

Pike County is a mix of residents living in unincorporated and incorporated areas. Bowling Green is the largest community with a population of 5,334, while Louisiana is home to 3,300 residents according to the US 2010 Census. The rest of the population lives in communities smaller than 1,000 residents or in unincorporated areas of the county.

Bowling Green and Louisiana serves as the economic hub for Pike County and is driven by manufacturing, agricultural and tourism.

Pike county is located within three HUC-8 watersheds, Salt, Sny and Cuivre. The map below shows the locations of each watershed and the communities that lie within them.



The major river effecting Pike County is the Mississippi River on its eastern boundary. Communities located on or near the Mississippi River are well aware of the history of flooding along its banks. Pike County rivers and their many tributaries run roughly northwest to southeast and dump into the Mississippi River. The exceptions are the rivers in the Lincoln Hills Regions where the rivers follow the valleys and run to the northwest before dumping into the Mississippi River. These rivers are all

subject to flash and riverine flooding. Soils in this area are formed in glacial till or loess material. They generally have a silt loam surface of moderate to high erosion potential overlying a silty clay subsoil of low permeability. Silty loam alluvial soils are limited to stream floodplains. Due to the clay content of the till and the underlying shale and limestone, vertical movement of water from the surface to groundwater is minimal. Stream flow is largely dependent on surface runoff.

## 2.1.2 Climate

Missouri has a continental type of climate marked by strong seasonality. In the winter, dry-cold air masses, unchallenged by any topographic barriers, periodically swing south from the northern plains and Canada. If they invade, reasonably humid air, snowfall and rainfall result. In the summer, moist warm air masses, equally unchallenged by topographic barriers, swing north from the Gulf of Mexico and can produce copious amounts of rain, either by fronts or by convectional processes. In some summers, high pressure stagnates over Missouri, creating extended drought periods. Spring and fall are transitional seasons when abrupt changes in temperature and precipitation may occur due to the successive, fast-moving fronts separating contrasting air masses.

While winters are cold and summers are hot in Pike County, prolonged periods of extensive temperatures are unusual but do occur. Occasional periods of mild, above freezing temperatures are noted almost every winter. Conversely, during the peak of summer season, occasional periods of dry-cool weather break up stretches of hot, humid weather. Mean January temperatures for Pike County range from 17° F to 34° F while July temperatures range from 68° F to 77° F.

Mean annual precipitation in the Pike County area is 40.31 inches. Precipitation records indicate May as the wettest month, but seasonality is very pronounced due to strong continental influences.

Snow has been known to fall in the Pike County as early as October and as late as May. However most snow falls in December, January and February. Winter snowfall averages 16 to 18 inches. It is unusual for snow to stay on the ground for more than a week or two before it melts. Winter precipitation usually is in the form of rain, snow or both. Conditions sometimes are on the borderline between both rain and snow, and in these situations freezing drizzle/rain occurs. This does not usually happen more than five times in a winter season.

Spring, summer and early fall precipitation comes largely in the form of showers or thunderstorms. Thunderstorms have been observed during winter months, but are most frequent from April to July. Flood producing thunderstorms, with high intensity, short duration rainfalls, can occur anytime but are most experienced from in the spring months.

## 2.1.3 Population/Demographics

**Table 2.1. Pike County Population 2000-2020 by Jurisdiction**

Jurisdiction	2000 Population	2010 Population	2020 Annual Population Estimate or ACS Population	# Change (2010-2020)	% Change (2010-2020)
Pike County	18,314	18,516	17,587	-929	-5.0%
Louisiana	3,863	3,364	3,199	-165	-4.9%
Bowling Green	3,260	5,334	4,195	-1,139	-21.3%
Clarksville	490	442	372	-70	-15.8%
Annada	48	29	14	-15	-51.7%
Paynesville	91	77	60	-17	-22.1%
Frankford	351	323	343	20	6.2%

Curryville	251	225	197	-28	-12.4%
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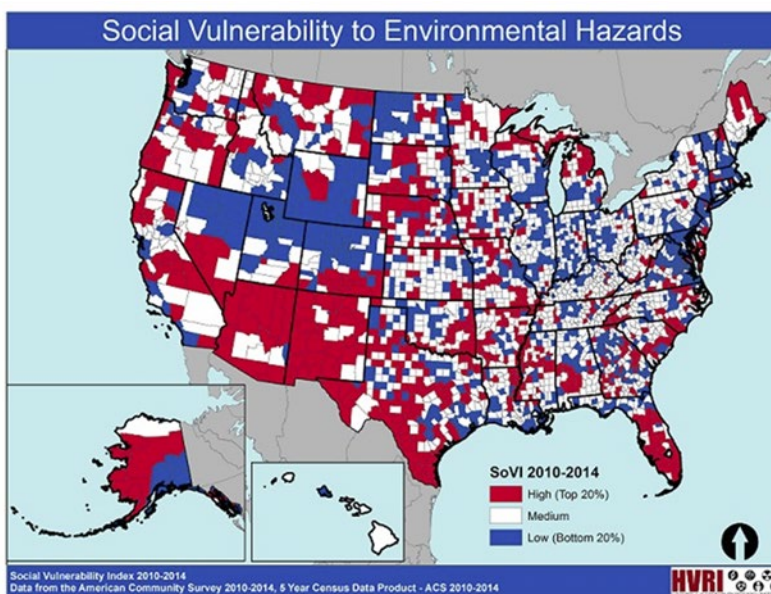
Source: U.S. Bureau of the Census, Decennial Census; \*population includes the portions of these cities in adjacent counties

According to 2010 Census data, 6.1% of Pike County’s population was under the age of 5 (1,131). This percent aligns closely with the Nation at 6.5% and the State at 6.5%. Pike County is home to 2,883 (15.6%) residents who are over the age of 65. At the National level, 13.0% of residents are 65 and over; while 14.0% of Missourians are 65+. The median age of residents in Pike County is 39 with the highest percentage of residents falling between the ages of 45-49. The median age of residents of the US is 37.2 with 37.9 being the median age of residents of the State.

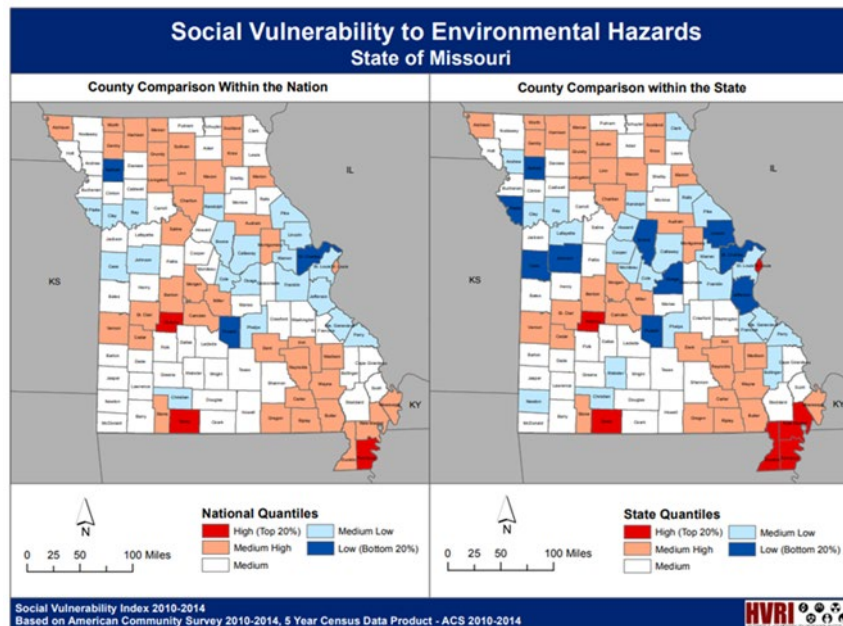
There are 6,560 occupied households in the County. The average household size is 2.44 compared to that of the Nation at 2.58 and the State at 2.45. Of the County’s occupied households, 2,083 had children under the age of 18 (31.8%) and 30.1 occupied individuals 65 and over. Racial makeup of the County is predominately white (90.2%) with 1.8% of the population being of Hispanic descent.

The University of South Carolina developed an index to evaluate and rank the ability to respond to, cope with, recover from, and adapt to disasters. The index synthesizes 30 socioeconomic variables which research literature suggests contribute 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 2.2 SOVI Data Sources Map**



Source: <http://artsandsciences.sc.edu/geog/hvri/sovi%C2%AE-0>



Source: [http://artsandsciences.sc.edu/geog/hvri/sites/sc.edu.geog.hvri/files/attachments/MO\\_1014.pdf](http://artsandsciences.sc.edu/geog/hvri/sites/sc.edu.geog.hvri/files/attachments/MO_1014.pdf)

A low number means that the county is more resilient to hazard events, and a high number means the county is less resilient. Pike County has a Medium Low rating.

**Table 2.2. Unemployment, Poverty, Education, and Language Percentage Demographics, Pike County, Missouri**

Jurisdiction	Total in Labor Force	Percent of Population Unemployed	Percent of Families Below the Poverty Level	Percentage of Population (High School graduate)	Percentage of Population (Bachelor's degree or higher)	Percentage of population with spoken language other than English
Pike County	7,813	.027	11.3	30.2	9.0	3.5
Louisiana	1,604	.027	11.4	30.3	5.7	4.9
Bowling Green	1,373	.013	17.2	31.2	5.7	3.3
Clarksville	196	.027	16.7	30.9	18.5	0
Annada	21	17.2	12.5	68.9	10.3	0
Paynesville	15	.03	25.0	24.6	14.2	0
Frankford	232	.05	26.8	43.9	15.4	0
Curryville	106	.093	30.4	22.2	3.0	0.9

Source: U.S. Census, 2019 American Community Survey, 5-year Estimates

### 2.1.4 History

Near the middle of the eighteenth century, French exploration expeditions visited what is now Pike County. Later the Spanish made attempts at settlement, as is shown by the irregular lines of old land grants in different parts of the county.

The first settlement was formed at Buffalo Creek, about five miles south of the present site of the city of Louisiana by Captain Robert Jordan and followers from South Carolina between 1808 and 1811. The first land sales of the public domain now comprising Pike County were held in the winter of 1817-1818. The land was sold at a minimum price of \$2.50 per acre.

Pike County was originally a part of the district of St. Charles. On December 14, 1818, the Territorial Legislature passed an act creating Pike County. Pike County was named in honor of General Zebulon Pike, the noted explorer of the upper Mississippi, Kansas, Colorado, New Mexico and other parts of the Louisiana Purchase 1. When organized, Pike County included all that portion of the Missouri Territory north of Lincoln County extending to the Iowa line and west to the limits of the Territory.

Later parts were portioned off to make up an additional six counties. Its present land area is 431,000 acres or 673 square miles. The first County seat was in Louisiana and the first courthouse was built in 1819-20, but because of complications concerning the deed to the land, the county seat was officially moved to Bowling Green in 1822.

The current courthouse was constructed in Bowling Green in 1917-19. Today the incorporated cities of Bowling Green, Louisiana, Clarksville, Eolia, Frankford, Curryville, Paynesville, and Annada lie within the boundaries of Pike County. In addition, several small-unincorporated villages are within the county. The location of these cities and villages are shown on the Pike County Base map.

## 2.1.5 Occupations

**Table 2.3. Occupation Statistics, Pike County, Missouri**

Place	Management, Business, Science, and Arts Occupations	Service Occupations	Sales and Office Occupations	Natural Resources, Construction, and Maintenance Occupations	Production, Transportation, and Material Moving Occupations
Pike County	2,001	1,137	1,735	1,212	1,215
Louisiana	205	245	381	318	361
Bowling Green	345	247	410	128	173
Clarksville	49	26	54	26	29
Annada	1	2	1	8	4
Paynesville	6	3	2	0	1
Frankford	67	34	39	28	39
Curryville	18	20	21	15	11

Source: U.S. Census, 2019 American Community Survey, 5-year Estimates.

## 2.1.6 Agriculture

Pike County has a total of 926 farms with the total acreage of 310,723 acres. The average farm size is 336 acres which is slightly higher than the State average of 285 acres. The top crop for Pike County is corn with 63,096 acres planted. The average sales per farm was \$79,142.

## 2.1.7 FEMA Hazard Mitigation Assistance (HMA) Grants in Planning Area

**Table 2.4. FEMA HMA Grants in Pike County from 1993-2021**

Disaster Declaration	Project Type	Sub-Grantee	Date Approved	Project Total
DR-4451-0009-F	600.1: Warning Systems (as a Component of a Planned, Adopted, and Exercised Risk Reduction	Curryville	2021-01-11	21,500
DR-4144-0011-P	91.1: Local Multihazard Mitigation Plan	Statewide	2014-09-04	158,599
DR-4435-0003-R	206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures	Bowling Green	2020-10-20	838,116
<b>Total</b>				<b>\$1,018,215</b>

Source: Federal Emergency Management Agency, November 5, 2021

## 2.1.8 FEMA Public Assistance (PA) Grants in Planning Area

**Table 2.5. FEMA PA Grants in Pike County from 1993-2021**

Disaster Declaration	Project Type	Project Size	Applicant	Project Total
1412	ROAD WASHOUTS	Small	163-UNIYL-00	23134.19
1412	ROAD WASHOUTS	Small	163-UNIYL-00	4584.36
1412	AGGREGATE ROAD SURFACE WASHOUT	Small	163-07C9A-00	27686.61
1412	LOW WATER CROSSING	Small	163-07C9A-00	9815.97
1412	ROAD DAMAGE	Small	163-99163-00	26877.79
1412	ROAD DAMAGE	Small	163-99163-00	26976.62
1412	ROAD DAMAGE	Small	163-99163-00	34100.56
1412	ROAD/CULVERT/LOW WATER CROSSING	Small	163-25552-00	29723.07
1463	DEBRIS REMOVAL	Small	163-99163-00	2651.1
1463	4.2 CULVERT & AGGREGATE SURFACE	Large	163-99163-00	83620.93
1463	4.2 LOW WATER CROSSING & ROAD	Small	163-99163-00	40015.28
1463	4.2 AGGREGATE SURFACE REPAIR	Small	163-07C9A-00	24173.8
1463	4.2 ROAD RELOCATION	Small	163-07C9A-00	15420
1463	4.2 AGGREGATE ROAD REPAIR	Small	163-U5BWW-00	8014.77
1463	6.2 SPILLWAY CHANNEL REPAIR	Small	163-07660-00	9457.54
1463	4.2 CULVERT & BITUMINOUS SURFACING	Small	163-14194-00	31908.75
1463	DEBRIS REMOVAL	Small	163-14194-00	3779.86
1463	4.2 AGGREGATE SURFACE ROAD REPAIR	Large	163-U5BWW-00	51309.33
1463	1.2 SEWER PUMP STATION REPAIR	Small	163-07660-00	36556
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-07660-00	8591.73
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-14194-00	1717.76
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-99163-00	16428.63
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-44174-00	10096.01
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-44174-00	20877.23
1736	DEBRIS REMOVAL	Small	163-44174-00	7550
1736	DEBRIS REMOVAL	Small	163-44174-00	20055
1736	PA PILOT-DEBRIS REMOVAL	Small	163-99163-00	46792.65
1736	PA PILOT-DEBRIS REMOVAL	Small	163-44174-00	41338.01
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-07C9A-00	1863.3
1736	PA PILOT - DEBRIS REMOVAL	Small	163-14194-00	8701.26
1736	PA PILOT - DEBRIS REMOVAL	Small	163-07C9A-00	8682.36
1736	LIBRARY BUILDING DAMAGES	Small	163-07660-00	1000
1736	PA PILOT - DEBRIS REMOVAL	Small	163-U5BWW-00	2720
1736	DEBRIS REMOVAL	Small	163-U0TOR-00	2151.36
1736	EMERGENCY PROTECTIVE MEASURES	Small	163-U5BWW-00	8075.79
1736	POWER SUPPLY UNIT DAMAGES	Small	163-07660-00	1677
1736	DEBRIS REMOVAL	Small	163-07660-00	19444.1
1736	DONATED RESOURCES	Small	163-U0TOR-00	717.12
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-44174-00	4402.1
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-44174-00	3422
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-44174-00	53844.4
1773	PA PILOT - DEBRIS RECYCLING	Large	163-14194-00	78560
1773	DEBRIS REMOVAL	Small	163-01252-00	3732.3
1773	ROAD WASHOUT - REVISED 08/28/08	Small	163-U5BWW-00	17020.01
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-U5BWW-00	9685.52
1773	PA PILOT-DEBRIS REMOVAL - REVISED	Small	163-U5BWW-00	1609
1773	ROAD WASHOUT	Small	163-25552-00	49023.39
1773	PA PILOT - DEBRIS REMOVAL -REVISED	Small	163-44174-00	32738.95
1773	PA PILOT - DEBRIS REMOVAL	Small	163-25552-00	5270.9
1773	PEDESTRIAN BRIDGE ABUTMENT WASHOUT	Small	163-25552-00	6388.76
1773	SEWER PIPE DAMAGE	Small	163-25552-00	1055
1773	CITY HALL INTERIOR DAMAGES	Small	163-01252-00	4125.01



1773	DONATED RESOURCES	Small	163-01252-00	1244.1
1773	EMERGENCY PROTECTIVE MEASURES	Large	163-U4ICH-00	0
1773	DEBRIS FROM A USACE LEVEE	Small	163-U4ICH-00	0
1773	EMERGENCY PROTECTIVE MEASURES -	Large	163-14194-00	151732.1
1773	VARIOUS PARK DAMAGES	Small	163-14194-00	27526.61
1773	PRIVATE PROPERTY DAMAGES	Small	163-14194-00	9200
1773	CITY HALL INTERIOR DAMAGES	Small	163-14194-00	4325
1773	ROAD WASHOUT	Small	163-14194-00	35603
1773	LIFT STATION DAMAGE	Small	163-14194-00	18822.19
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-14194-00	5042.49
1773	FIRE EQUIPMENT DAMAGES	Small	163-14194-00	1000
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-U4ICH-00	0
1773	DONATED RESOURCES	Small	163-14194-00	27867.47
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-99163-00	3847.5
1773	ROAD WASHOUT	Large	163-99163-00	64656.93
1773	ROAD WASHOUT	Large	163-99163-00	59069.01
1773	ROAD WASHOUT	Small	163-99163-00	25884.95
1773	EMERGENCY PROTECTIVE MEASURES	Small	163-99163-00	15953.85
1773	ROAD/CULVERT WASHOUTS	Small	163-99163-00	4781
1773	ROAD WASHOUTS	Large	163-99163-00	78849.57
1773	DEBRIS REMOVAL	Small	163-U7EAP-00	3375
1773	DEBRIS REMOVAL	Small	163-U6JCT-00	2500
1773	BUILDING STORAGE DAMAGE	Small	163-U1721-00	10600
1773	DONATED RESOURCE - CORRECTION	Small	163-14194-00	20230.98
1934	PCFM-A1-1934- Clarksville City of	Small	163-14194-00	3034.64
1934	PCFM-A2-1934- Clarksville City of	Small	163-14194-00	1780
1934	PCFM-C1-1934-Clarksville City of	Small	163-14194-00	15212.4
1934	PCFM-E1-1934-Clarksville City of	Small	163-14194-00	1000
1934	PCFM-A3--Debris Removal- Scattered Debris	Small	163-44174-00	15626
1934	PCFM-B1 - Emergency Protective Measures-	Small	163-99163-00	1092.54
1934	PCFM-A5 - Debris Removal - Scattered Debris	Small	163-99163-00	2119.5
1934	PCFM-C2-Roads & Bridges	Small	163-U5BWW-00	17183.77
1934	PCFM-C3-Roads & Bridges	Small	163-U5BWW-00	18167.45
1934	PCFM-C4-Roads & Bridges	Small	163-U5BWW-00	5183.64
1934	PCFM-A6 - Vegetative Debris Concentrated	Small	163-U5BWW-00	1328
1934	PCFM-C7- Roads and Bridges- Damaged Gravel	Small	163-99163-00	15029.82
1934	PCFM-C6- Roads and Bridges- Damaged Gravel	Small	163-99163-00	7906.7
1934	PCFM-C5- Roads and Bridges- Damaged gravel	Small	163-99163-00	27403.3
1934	PCFM-C9- Roads and Bridges- Damaged Gravel	Small	163-99163-00	8479.32
1934	PCFM-C8- Roads and Bridges- Damaged Gravel	Small	163-99163-00	7865.43
1934	PCFMC10 - Roads & Bridges - Damaged Gravel	Small	163-99163-00	22102.02
1934	PCFMC14 - Roads and Bridges - Damaged	Small	163-99163-00	23450.39
1934	PCFMC11 - Roads and Bridges - Damaged	Small	163-99163-00	16979.14
1934	PCFMC13 - Roads and Bridges - Damaged	Small	163-99163-00	15817.08
1934	PCFMC12 - Roads and Bridges - Damaged	Small	163-99163-00	15236.28
1934	PCFMC15 - Roads and Bridges - Damaged	Small	163-99163-00	10143.36
1934	PCFMC16 - Roads and Bridges - Damaged	Small	163-99163-00	9609.83
1934	PCFMC17 - Roads and Bridges - Damaged	Small	163-99163-00	28780.47
1934	PCFMC18 - Roads and Bridges - Damaged	Small	163-99163-00	21603.46
1934	PCFMC19 - Roads and Bridges - Damaged	Small	163-99163-00	17044.86
1934	PCFMC20 - Roads and Bridges - Damaged	Small	163-99163-00	15285.79
1934	PCFMC21 - Roads and Bridges - Damaged	Small	163-99163-00	19636.32
1934	PCFMC22 - Roads and Bridges - Damaged	Small	163-99163-00	18562.24
1934	PCFMC24 - Roads and Bridges - Drainage Pipe	Small	163-99163-00	3171
1934	PCFMC23 - Roads & Bridges - Gravel Road	Small	163-99163-00	5335.75
1934	PCFMC26 - Roads & Bridges - Washed Out	Small	163-99163-00	6733.9
1934	PCFMC25 - Roads and Bridges - Road Slope	Small	163-99163-00	8991
1934	PCFMD1E- Bridge Abutment	Small	163-44174-00	3220
1934	PCFMA4A- Debris Removal- Waterway Structure	Small	163-44174-00	1765

1961	CCB01 - EPM 48 hr Snow Removal	Small	163-14194-00	1386.15
1961	PCE04 - Cat. 950GII Loader	Small	163-99163-00	1000
1961	PCB01 - Emergency Protective Measures 48 hr	Small	163-99163-00	23299.37
1961	SCHB10 - Emergency Protective Measures - 48	Small	163-44174-00	10168.13
1961	LR2SDB1 - Emergency Protective Measures 48	Small	163-UCNC2-00	4621.63
1961	PCMHB1 - Emergency Protective Measures, 48	Small	163-UCMNS-00	2219.76
1961	PCC01 - Roadway Surface Aggregate loss	Small	163-99163-00	13677.38
1961	PCC04B - Roadway Surface Aggregate loss	Small	163-99163-00	37396.31
1961	PCC04A - Roadway Surface Aggregate loss	Large	163-99163-00	68158.09
1961	PCC05A - Roadway Surface Aggregate Loss	Small	163-99163-00	10464.95
1961	PCC06A - Roadway Surface Aggregate Loss	Small	163-99163-00	15384.35
1961	PCC03A-Roadway Surface Aggregate Loss	Small	163-99163-00	6040.33
1961	PCC02A - Roadway Surface Aggregate Loss	Small	163-99163-00	12295.26
1961	PCC02B - Roadway Surface Aggregate loss	Small	163-99163-00	10748.95
1961	PCC05B - Roadway Surface Aggregate Loss	Small	163-99163-00	10018.53
4130	PIPI01A DEBRIS REMOVAL	Small	163-99163-00	1536.12
4130	PCCC01F - Water Meter & Lift Station Repair	Small	163-14194-00	3263.96
4130	PCCC01B - Protective Measures	Small	163-14194-00	2718.5
4130	PCKL01A - Debris Removal	Small	163-U7EAP-00	2480
4130	PIPI04C - SE Quadrant County Road Damages -	Large	163-99163-00	74896.4
4130	PIPI01C - NE Quadrant County Road Damages -	Small	163-99163-00	3944.11
4130	PIPI02C - NW Quadrant County Road Damages	Small	163-99163-00	3864.05
4130	PIPI03C - SW Quadrant County Road Damages	Small	163-99163-00	11313.67
4238	CLK003F - Lift pump station	Small	163-14194-00	1000
4238	LDW004C - Alley and Cemetary Roads	Small	163-14194-00	7885.24
4238	LDW003A - PAAP Debris Removal	Small	163-14194-00	3092.1
4238	COF001C - Road Repair	Small	163-25552-00	4414.8
4238	COF002B - Pumping	Small	163-25552-00	2885.43
4238	Donated Resources	Small	163-14194-00	1128.08
4238	LOU006G - Tower Electric Hardware and Two	Small	163-44174-00	1300
4238	LSD001C - Gravel Roads	Small	163-U5BWW-00	41493.56
4238	LOU001B Emergency and Protective Measure	Small	163-44174-00	17186.24
4238	LOU007A - PAAP Debris Removal Louisiana	Small	163-44174-00	43116.28
4238	PKC001C Road System Damage Districts 1 and	Small	163-99163-00	62711.89
4238	LOU003D Drainage Channel Repair	Large	163-44174-00	159362.6
4238	PKC004C - Road System Damage District 4	Small	163-99163-00	80920.78
4238	PKC003C Road System Damage District 3	Large	163-99163-00	124181.6
4238	PKC002C Road System Damage District 2	Small	163-99163-00	63581.83
4238	PKC005C Road System Damage District 6	Large	163-99163-00	210439.8
4238	LOU004E Buildings/Equipment/River Sign	Small	163-44174-00	3157.53
4238	LOU005F Sewer System Damage	Small	163-44174-00	60800
4238	PKC006C - Road System Damage Misc. Sites	Large	163-99163-00	177716.4
4238	PKC007C - Pike County Road System Damage	Small	163-99163-00	69883.84
4238	LOU003C Road System Damage (Slide)	Large	163-44174-00	175658.3
4238	PKC008C - Pike County Road System Damage	Small	163-99163-00	38745.58
4238	PKC009C Road System/Drainage Damage	Small	163-99163-00	61216.04
4238	PKC010C - Road System/Drainage Damage	Large	163-99163-00	209339.4
4238	LOU002C - Road System Damage	Small	163-44174-00	66772.78
4238	LOU008F - Water line Replacement	Large	163-44174-00	178974.1
4238	FGF001C - Roadway	Small	163-U5BWW-00	6678.49
4317	0001590 - Riverfront Road	Small	163-44174-00	25389.46
4317	CP01583 - PAAP Debris Removal 0 to 30 Days	Small	163-44174-00	23038.89
4317	0001859 - Utilities -Damage to 8 inch sewer lines	Small	163-44174-00	71308.59
4317	0001858 - River Bank Wall Damage	Small	163-44174-00	0
4317	0001584 - PAAP Debris Removal 31 to 90 Days	Small	163-44174-00	29591.04
4317	CP01585 - PAAP Debris Removal 91 to 180	Small	163-44174-00	8646.72
4317	0001589 - Roads	Small	163-44174-00	24460.52
4435	116422 - City of Clarksville Completed Citywide	Small	163-14194-00	54927
4435	120695 - City of Louisiana	Small	163-44174-00	10558.87

4435	133420 - City of Clarksville Management Costs	Small	163-14194-00	1041.92
4435	123559 - City of Louisiana Temporary Road	Small	163-44174-00	9053.5
4435	123549 - City of Louisiana Emergency Protective	Small	163-44174-00	9344.04
4451	116553 - Damaged Lift Station	Small	163-14194-00	4468
4451	116524 - City of Clarksville Completed Citywide	Small	163-14194-00	23641.31
4451	120862 - City of Clarksville Completed citywide	Small	163-14194-00	20732.09
4451	116544 - C- Damaged Culvert	Small	163-14194-00	5149.76
4451	126954 - EPM -Countywide & Culvet Temp Repair	Small	163-99163-00	7885.91
4451	116562 - River front Park damage	Small	163-14194-00	33850.88
4451	129662 - Districtwide Gravel Roads	Small	163-U5BWW-00	12749.21
4435	123564 - City of Louisiana Waste Water Plant	Small	163-44174-00	14421.92
4451	141824 - Clarksville Management Cost	Small	163-14194-00	4392.11
4435	141082 - Management Cost	Small	163-44174-00	1011.27
4451	126956 - Culvert Replacements - Countywide	Small	163-99163-00	43044.6
4451	126918 - Countywide Gravel Road Washout	Large	163-99163-00	240955.9
4451	126668 - Debris Removal	Small	163-44174-00	84391.71
4451	126679 - Waste Water Treatment Plant	Small	163-44174-00	55461.57
4451	126680 - Town Branch Wall and Cemetery Wall	Small	163-44174-00	71966.09
4451	146457 - Pike County - Management Costs	Small	163-99163-00	4565.2
4435	116425 - Donated Resources	Small	163-14194-00	51007.28
4451	126669 - Emergency Protective Measures	Small	163-44174-00	23123.42
4451	143220 - Management Cost	Small	163-44174-00	11747.14
4451	120275 - City of Clarksville Donated Resources	Small	163-14194-00	37301.55
<b>Total</b>				<b>\$5,196,921.30</b>

Source: Federal Emergency Management Agency, November 5, 2021

## **2.2 JURISDICTIONAL PROFILES AND MITIGATION CAPABILITIES**

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### **2.2.1 Unincorporated Pike County**

By Missouri Statute (Section 48.020.1) Pike County is defined as a 3rd Class County, meaning its assessed valuation is less than six hundred million dollars. The County seat is in Bowling Green.

Pike County has ten townships, which serve today primarily as voting districts. The county government provides services such as law enforcement, judicial services, land records, tax collection, property assessment, administration of elections, construction and maintenance of road and bridges and zoning.

The County is governed by an elected board of Commissioners composed of a presiding commissioner and two associate commissioners. Other positions within Pike County's government include:

- County Assessor
- County Clerk
- County Recorder
- County Sheriff
- County Collector
- Emergency Management
- County Coordinator
- Coroner Circuit Clerk
- Public Administrator
- Prosecuting Attorney
- County Treasurer

#### **Mitigation Initiatives/Capabilities**

- NFIP Participation
- Emergency Operations Center
- Raise Residential Houses in Floodplains

The Cities of Bowling Green, Clarksville and Louisiana have implemented zoning and building requirements which govern development within the County. The County also has an Emergency Manager. The Manger plans and directs disaster responses or crisis management activities, provides disaster preparedness training and prepares emergency plans and procedures for natural disasters.

The Pike County Coordinator acts as the Floodplain Manager for the County and is the principal administrator in the daily implementation of flood loss reduction activities including enforcing flood damage prevention and related policies and any of the activities related to administration of the Nation Flood Insurance Program (NFIP). The Coordinator is also responsible for overseeing zoning activities.

The County has an Emergency Operations Plan, Land Use Order, Floodplain Management Ordinance/Floodplain Development Procedures, and an Emergency Operations Plan – Hazardous Materials.

**Table 2.6. Unincorporated Pike County Mitigation Capabilities**

Capabilities	Status Including Date of Document or Policy
<b>Planning Capabilities</b>	
Comprehensive Plan	Yes
Builder's Plan	No
Capital Improvement Plan	Yes
City Emergency Operations Plan	No
County Emergency Operations Plan	Yes
Local Recovery Plan	No
County Recovery Plan	Yes
City Mitigation Plan	No
County Mitigation Plan	Yes
Debris Management Plan	No
Economic Development Plan	Yes
Transportation Plan	No
Land-use Plan	No
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	No
Firewise or other fire mitigation plan	No
School Mitigation Plan	No
Critical Facilities Plan (Mitigation/Response/Recovery)	No
<b>Policies/Ordinance</b>	
Zoning Ordinance	No
Building Code	No
Floodplain Ordinance	Yes
Subdivision Ordinance	No
Tree Trimming Ordinance	No
Nuisance Ordinance	No
Stormwater Ordinance	No
Drainage Ordinance	No
Site Plan Review Requirements	No
Historic Preservation Ordinance	No
Landscape Ordinance	No
Seismic Construction Ordinance	No
<b>Program</b>	
Zoning/Land Use Restrictions	No
Codes Building Site/Design	No
Hazard Awareness Program	Yes
National Flood Insurance Program (NFIP)	Yes
NFIP Community Rating System (CRS) program	Yes
National Weather Service (NWS) Storm Ready	No
Firewise Community Certification	No
Building Code Effectiveness Grading (BCEGs)	No
ISO Fire Rating	N/A

<b>Capabilities</b>	<b>Status Including Date of Document or Policy</b>
Economic Development Program	Yes
Land Use Program	No
Public Education/Awareness	Yes
Property Acquisition	No
Planning/Zoning Boards	No
Stream Maintenance Program	No
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	No
Mutual Aid Agreements	Yes
<b>Studies/Reports/Maps</b>	
Hazard Analysis/Risk Assessment (Local)	No
Hazard Analysis/Risk Assessment (County)	Yes
Flood Insurance Maps	No
FEMA Flood Insurance Study (Detailed)	No
Evacuation Route Map	No
Critical Facilities Inventory	Yes
Vulnerable Population Inventory	No
Land Use Map	No
<b>Staff/Department</b>	
Building Code Official	No
Building Inspector	No
Mapping Specialist (GIS)	Yes
Engineer	No
Development Planner	No
Public Works Official	Yes
Emergency Management Director	Yes
NFIP Floodplain Administrator	Yes
Emergency Response Team	No
Hazardous Materials Expert	Yes
Local Emergency Planning Committee	No
County Emergency Management Commission	Yes
Sanitation Department	No
Transportation Department	Yes
Economic Development Department	Yes
Housing Department	No
Historic Preservation	No
<b>Non-Governmental Organizations (NGOs)</b>	
American Red Cross	No
Salvation Army	No
Veterans Groups	Yes
Local Environmental Organization	No
Homeowner Associations	Yes
Neighborhood Associations	Yes
Chamber of Commerce	Yes
Community Organizations (Lions, Kiwanis, etc.)	Yes

Capabilities	Status Including Date of Document or Policy
<b>Local Funding Availability</b>	
Apply for Community Development Block	Yes
Fund projects through Capital	Yes
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	No
Impact fees for new development	No
Ability to incur debt through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Yes
Ability to incur debt through private activities	No
Withhold spending in hazard prone areas	No

Source: Data Collection Questionnaire, October 4, 2021

## 2.2.2 City of Bowling Green

Bowling Green with its location in the heart of a prosperous agricultural community, its location at the intersection of US 54 and US 61, and its position as County Seat for Pike County ensures its continued growth and prominence as a center of commerce. Bowling Green is the largest city in Pike County with a population of 5,166 residents. Bowling Green has its own airport, Bowling Green Municipal Airport and is also served by the Kansas City Southern railroad. Major highway expansion along Hwy. 61 has spurred growth along south Business highway 61 over the past several years and is expected to continue impacting the economic future by attracting new businesses and industry.

As of the census of 2010, there were 5,334 people, 1,316 households, and 810 families living in the city. The population density was 1,982.9 inhabitants per square mile. There were 1,474 housing units at an average density of 548.0 per square mile. The racial makeup of the city was 79.4% White, 18.4% African American, 0.1% Native American, 0.3% Asian, 0.5% from other races, and 1.2% from two or more races. Hispanic or Latino of any race were 1.8% of the population.

There were 1,316 households, of which 35.9% had children under the age of 18 living with them, 38.8% were married couples living together, 16.9% had a female householder with no husband present, 5.9% had a male householder with no wife present, and 38.4% were non-families. 31.9% of all households were made up of individuals, and 13.2% had someone living alone who was 65 years of age or older. The average household size was 2.46 and the average family size was 3.06.

Bowling Green’s city government is Mayor, City Administrator and Board of Alderman. The city of Bowling Green is divided into three wards, with two aldermen elected from each ward.

City services include water and sewer services and garbage collection (subcontracted to Meridian Waste Disposal). Bowling Green has a police department with nine full time officers. The Bowling Green Volunteer Fire Department has sixteen volunteer fire fighters. Bowling Green also has a Library, Community Center, and two city parks.

Mitigation Initiatives include:

- Safe Room/Storm Shelter
- NFIP Participation

**Table 2.7. Bowling Green Mitigation Capabilities**

Capability	Status Including Date of Document or Policy
<b>Planning Capabilities</b>	
Comprehensive Plan	Yes, 2011
Builder's Plan	No
Capital Improvement Plan	No
Local Emergency Plan	Yes, 2004
County Emergency Plan	No
Local Recovery Plan	No
County Recovery Plan	No
Local Mitigation Plan	Yes
County Mitigation Plan	Yes
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	No
Transportation Plan	Yes, 2011
Land-use Plan	Yes, 2011



<b>Capability</b>	<b>Status Including Date of Document or Policy</b>
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	No
Firewise or other fire mitigation plan	No
School Mitigation Plan	No
Critical Facilities Plan (Mitigation/Response/Recovery)	No
<b>Policies/Ordinance</b>	
Zoning Ordinance	Yes
Building Code	Yes
Floodplain Ordinance	Yes
Subdivision Ordinance	Yes
Tree Trimming Ordinance	No
Nuisance Ordinance	Yes
Storm Water Ordinance	Yes
Drainage Ordinance	Yes
Seismic Construction Ordinance	No
<b>Capability</b>	
Site Plan Review Requirements	Yes
Historic Preservation Ordinance	Yes
Landscape Ordinance	Yes
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	No
<b>Program</b>	
Zoning/Land Use Restrictions	Yes
Codes Building Site/Design	Yes
National Flood Insurance Program (NFIP) Participant	Yes
NFIP Community Rating System (CRS) Participating Community	No
Hazard Awareness Program	No
National Weather Service (NWS) Storm Ready	No
Building Code Effectiveness Grading (BCEGs)	No
ISO Fire Rating	5
Economic Development Program	No
Land Use Program	Yes
Public Education/Awareness	No
Property Acquisition	No
Planning/Zoning Boards	Yes
Stream Maintenance Program	No
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	No
Mutual Aid Agreements	Yes
<b>Studies/Reports/Maps</b>	
Hazard Analysis/Risk Assessment (Local)	No
Hazard Analysis/Risk Assessment (County)	No
Flood Insurance Maps	Np
FEMA Flood Insurance Study (Detailed)	No
Evacuation Route Map	No
Critical Facilities Inventory	No
Vulnerable Population Inventory	No
Land Use Map	No
<b>Staff/Department</b>	
Building Code Official	Yes
Building Inspector	Yes
Mapping Specialist (GIS)	No
Engineer	No
Development Planner	No
Public Works Official	Yes
Emergency Management Coordinator	Yes

<b>Capability</b>	<b>Status Including Date of Document or Policy</b>
NFIP Floodplain Administrator	Yes
Emergency Response Team	Yes
Hazardous Materials Expert	No
Local Emergency Planning Committee	No
County Emergency Management Commission	Yes
Sanitation Department	No
Transportation Department	No
Economic Development Department	No
Housing Department	No
Historic Preservation	No
<b>Non-Governmental Organizations (NGOs)</b>	
American Red Cross	No
Salvation Army	No
Veterans Groups	Yes
Environmental Organization	No
Homeowner Associations	No
Neighborhood Associations	No
Chamber of Commerce	Yes
Community Organizations (Lions, Kiwanis, etc.)	Yes
<b>Local Funding Availability</b>	
Ability to apply for Community Development Block Grants	Yes
Ability to fund projects through Capital Improvements funding	Yes
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	No
Ability to incur debt through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Yes
Ability to incur debt through private activities	Yes
Ability to withhold spending in hazard prone areas	No

Source: Data Collection Questionnaire, October 15, 2021

### 2.2.3 City of Louisiana

Louisiana, Missouri, the oldest town in Pike County, is located in the hills of the eastern part of Pike County on the Mississippi River. The town’s National Register of Historic Places business district nestles in the hills, which gently rises from the Mississippi. Louisiana has a variety of Victorian commercial buildings that date to its heyday in the mid to late 19th century. These treasures of Victorian architecture are said to make up the most intact historic business district in Missouri. Louisiana also excels in early to late Victorian domestic architecture. There are a wide variety of homes from simple cottages to antebellum Greek Revival and Italianate mansions to late Victorian showplaces. Several of these homes are individually listed on the National Register of Historic Places.

As of the census of 2010, there were 3,364 people, 1,411 households, and 880 families living in the city. The population density was 1,074.8 inhabitants per square mile. There were 1,732 housing units at an average density of 553.4 per square mile. The racial makeup of the city was 89.9% White, 4.7% African American, 0.2% Native American, 0.3% Asian, 2.3% from other races, and 2.6% from two or more races. Hispanic or Latino of any race were 4.1% of the population.

There were 1,411 households, of which 29.8% had children under the age of 18 living with them, 42.0% were married couples living together, 14.1% had a female householder with no husband present, 6.3% had a male householder with no wife present, and 37.6% were non-families. 32.2% of all households were made up of individuals, and 16.2% had someone living alone who was 65 years of age or older. The average household size was 2.35 and the average family size was 2.91.

Louisiana is a Third-Class City governed under RSMo Title VII-Section 77 with four wards, and two Councilpersons elected from each ward by the qualified voters thereof, one member being elected each year, a Mayor, who is elected by the qualified voters of the City of Louisiana every four years and a City Superintendent, who is employed at will and appointed by the Major and confirmed by the City Council annually.

Mitigation Initiatives include:

- Generator
- Safe Room/Storm Shelter
- Local Cable Channel
- NFIP Participation

**Table 2.8. Louisiana Mitigation Capabilities**

Capability	Status Including Date of Document or Policy
<b>Planning Capabilities</b>	
Comprehensive Plan	Yes
Builder's Plan	Yes
Capital Improvement Plan	Yes
Local Emergency Plan	Yes
County Emergency Plan	No
Local Recovery Plan	Yes
County Recovery Plan	No
Local Mitigation Plan	Yes
County Mitigation Plan	Yes
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	Yes

Capability	Status Including Date of Document or Policy
Transportation Plan	Yes
Land-use Plan	Yes
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	No
Firewise or other fire mitigation plan	No
School Mitigation Plan	No
Critical Facilities Plan (Mitigation/Response/Recovery)	No
<b>Policies/Ordinance</b>	
Zoning Ordinance	Yes
Building Code	Yes
Floodplain Ordinance	Yes
Subdivision Ordinance	Yes
Tree Trimming Ordinance	Yes
Nuisance Ordinance	Yes
Storm Water Ordinance	Yes
Drainage Ordinance	Yes
Seismic Construction Ordinance	No
<b>Capability</b>	
Site Plan Review Requirements	Yes
Historic Preservation Ordinance	Yes
Landscape Ordinance	Yes
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	Yes
<b>Program</b>	
Zoning/Land Use Restrictions	Yes
Codes Building Site/Design	Yes
National Flood Insurance Program (NFIP) Participant	Yes
NFIP Community Rating System (CRS) Participating Community	No
Hazard Awareness Program	No
National Weather Service (NWS) Storm Ready	No
Building Code Effectiveness Grading (BCEGs)	No
ISO Fire Rating	6
Economic Development Program	Yes
Land Use Program	Yes
Public Education/Awareness	No
Property Acquisition	No
Planning/Zoning Boards	Yes
Stream Maintenance Program	No
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	No
Mutual Aid Agreements	Yes
<b>Studies/Reports/Maps</b>	
Hazard Analysis/Risk Assessment (Local)	No
Hazard Analysis/Risk Assessment (County)	No
Flood Insurance Maps	No
FEMA Flood Insurance Study (Detailed)	No
Evacuation Route Map	No
Critical Facilities Inventory	No
Vulnerable Population Inventory	No
Land Use Map	No
<b>Staff/Department</b>	
Building Code Official	Yes
Building Inspector	Yes
Mapping Specialist (GIS)	No
Engineer	Yes
Development Planner	No

<b>Capability</b>	<b>Status Including Date of Document or Policy</b>
Public Works Official	Yes
Emergency Management Coordinator	Yes
NFIP Floodplain Administrator	Yes
Emergency Response Team	Yes
Hazardous Materials Expert	Yes
Local Emergency Planning Committee	Yes
County Emergency Management Commission	Yes
Sanitation Department	Yes
Transportation Department	Yes
Economic Development Department	Yes
Housing Department	No
Historic Preservation	Yes
<b>Non-Governmental Organizations (NGOs)</b>	
American Red Cross	No
Salvation Army	No
Veterans Groups	Yes
Environmental Organization	No
Homeowner Associations	No
Neighborhood Associations	No
Chamber of Commerce	Yes
Community Organizations (Lions, Kiwanis, etc.)	Yes
<b>Local Funding Availability</b>	
Ability to apply for Community Development Block Grants	Yes
Ability to fund projects through Capital Improvements funding	Yes
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	No
Ability to incur debt through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Yes
Ability to incur debt through private activities	Yes
Ability to withhold spending in hazard prone areas	Yes

Source: Data Collection Questionnaire, October 15, 2021

### 2.2.4 City of Clarksville

Clarksville was established in 1817. Sources indicate uncertainty about whose name was being honored either Territorial governor William Clark or the more famous General George Rogers Clark of the Lewis and Clark expedition. Clarksville was once nicknamed “Appletown” because in the 1850’s a very large amount of apples was shipped from its docks. It once had four thriving tobacco warehouses, a flourmill, a vinegar factory, two hotels, a paper mill, a cooper factory, dressmaking shops, and other shops. In 1880 Clarksville boasted of a population of more than 1400 residents. It declined over the next 100 years to 585 in 1980. In spite of this decline, the community has rallied to survive and has won several awards for community improvement from 1965 to present. Some of the awards have come from paving of streets, constructing apartment buildings, installing a sewer system, opening a Senior Citizen’s Center and substantial rebuilding of the historic district.

Another attraction in Clarksville is the Lock and Dam No. 24 on the Mississippi River. It was constructed at Clarksville in 1936 by the Works Progress Administration and currently maintained by the Army Corp. of Engineers. The lock has remained a popular tourist attraction bringing many visitors into Clarksville.

Because of Clarksville’s proximity to the Mississippi River, many of its historic homes are susceptible to floods each spring. In the record flood of 1993 due to the heroic sandbagging efforts of the citizens of Clarksville and volunteers from many other communities the historic district on the banks of the Mississippi was spared.

As of the census of 2010, there were 442 people, 210 households, and 109 families residing in the city. The population density was 960.9 inhabitants per square mile. There were 271 housing units at an average density of 589.1 per square mile. The racial makeup of the city was 89.4% White, 7.2% African American, 2.0% from other races, and 1.4% from two or more races. Hispanic or Latino of any race were 2.9% of the population.

There were 210 households, of which 23.8% had children under the age of 18 living with them, 36.7% were married couples living together, 8.6% had a female householder with no husband present, 6.7% had a male householder with no wife present, and 48.1% were non-families. 40.0% of all households were made up of individuals, and 18.5% had someone living alone who was 65 years of age or older. The average household size was 2.10 and the average family size was 2.83.

Mitigation Initiatives include:

- Flood Protection System
- Generator
- NFIP Participation

**Table 2.9. Clarksville Mitigation Capabilities**

Capability	Status Including Date of Document or Policy
<b>Planning Capabilities</b>	
Comprehensive Plan	No
Builder’s Plan	No
Capital Improvement Plan	No
Local Emergency Plan	Yes
County Emergency Plan	No
Local Recovery Plan	Yes
County Recovery Plan	No
Local Mitigation Plan	Yes

<b>Capability</b>	<b>Status Including Date of Document or Policy</b>
County Mitigation Plan	Yes
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	Yes
Transportation Plan	Yes
Land-use Plan	Yes
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	No
Firewise or other fire mitigation plan	Yes
School Mitigation Plan	No
Critical Facilities Plan (Mitigation/Response/Recovery)	No
<b>Policies/Ordinance</b>	
Zoning Ordinance	Yes
Building Code	Yes
Floodplain Ordinance	Yes
Subdivision Ordinance	No
Tree Trimming Ordinance	No
Nuisance Ordinance	Yes
Storm Water Ordinance	No
Drainage Ordinance	Yes
Seismic Construction Ordinance	No
<b>Capability</b>	
Site Plan Review Requirements	No
Historic Preservation Ordinance	No
Landscape Ordinance	No
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	No
<b>Program</b>	
Zoning/Land Use Restrictions	Yes
Codes Building Site/Design	Yes
National Flood Insurance Program (NFIP) Participant	Yes
NFIP Community Rating System (CRS) Participating Community	Yes
Hazard Awareness Program	No
National Weather Service (NWS) Storm Ready	Yes
Building Code Effectiveness Grading (BCEGs)	No
ISO Fire Rating	No
Economic Development Program	Yes
Land Use Program	No
Public Education/Awareness	No
Property Acquisition	No
Planning/Zoning Boards	Yes
Stream Maintenance Program	No
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	No
Mutual Aid Agreements	Yes
<b>Studies/Reports/Maps</b>	
Hazard Analysis/Risk Assessment (Local)	No
Hazard Analysis/Risk Assessment (County)	No
Flood Insurance Maps	No
FEMA Flood Insurance Study (Detailed)	No
Evacuation Route Map	No
Critical Facilities Inventory	No
Vulnerable Population Inventory	No
Land Use Map	No
<b>Staff/Department</b>	
Building Code Official	No

<b>Capability</b>	<b>Status Including Date of Document or Policy</b>
Building Inspector	No
Mapping Specialist (GIS)	No
Engineer	No
Development Planner	No
Public Works Official	No
Emergency Management Coordinator	No
NFIP Floodplain Administrator	Yes
Emergency Response Team	No
Hazardous Materials Expert	No
Local Emergency Planning Committee	No
County Emergency Management Commission	No
Sanitation Department	No
Transportation Department	Yes
Economic Development Department	No
Housing Department	No
Historic Preservation	No
<b>Non-Governmental Organizations (NGOs)</b>	
American Red Cross	No
Salvation Army	No
Veterans Groups	No
Environmental Organization	No
Homeowner Associations	No
Neighborhood Associations	No
Chamber of Commerce	Yes
Community Organizations (Lions, Kiwanis, etc.)	Yes
<b>Local Funding Availability</b>	
Ability to apply for Community Development Block Grants	Yes
Ability to fund projects through Capital Improvements funding	Yes
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	No
Ability to incur debt through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Yes
Ability to incur debt through private activities	No
Ability to withhold spending in hazard prone areas	No

Source: Data Collection Questionnaire, October 11, 2021



## 2.2.5 Summary of Jurisdictional Capabilities

**Table 2.10. Mitigation Capabilities Summary Table**

CAPABILITIES	Uninc. Pike County	City of Bowling Green	City of Louisiana	City of Clarksville
<b>Planning Capabilities</b>				
Comprehensive Plan	No	Yes	Yes	No
Builder's Plan	No	No	Yes	No
Capital Improvement Plan	Yes	No	Yes	No
Local Emergency Plan	No	Yes	Yes	Yes
County Emergency Plan	Yes	No	No	No
Local Recovery Plan	No	No	Yes	No
County Recovery Plan	Yes	No	No	No
Local Mitigation Plan	No	No	Yes	No
County Mitigation Plan	Yes	No	No	No
Local Mitigation Plan (PDM)	No	No	No	No
County Mitigation Plan (PDM)	No	No	No	No
Debris Management Plan	No	No	Yes	Yes
Economic Development Plan	Yes	No	Yes	Yes
Transportation Plan	No	No	Yes	Yes
Land-use Plan	No	No	No	No
Flood Mitigation Assistance (FMA) Plan	No	No	No	No
Watershed Plan	No	No	No	No
Firewise or other fire mitigation plan	No	No	No	Yes
School Mitigation Plan	No	No	No	No
Critical Facilities Plan (Mitigation/Response/Recovery)	No	No	No	No
<b>Policies/Ordinance</b>				
Zoning Ordinance	No	Yes	Yes	Yes
Building Code	No	Yes	Yes	Yes
Floodplain Ordinance	Yes	Yes	Yes	Yes
Subdivision Ordinance	No	No	Yes	No
Tree Trimming Ordinance	No	No	Yes	No
Nuisance Ordinance	No	No	Yes	No
Storm Water Ordinance	No	Yes	Yes	No
Drainage Ordinance	No	Yes	Yes	No
Site Plan Review Requirements	No	Yes	Yes	No
Historic Preservation Ordinance	No	Yes	Yes	No
Landscape Ordinance	No	No	Yes	No
Seismic Construction Ordinance	No	No	No	No
<b>Program</b>				
Zoning/Land Use Restrictions	No	Yes	Yes	Yes
Codes Building Site/Design	No	Yes	Yes	Yes
National Flood Insurance Program (NFIP) Participant	Yes	Yes	Yes	Yes
NFIP Community Rating System (CRS) Participating Community	No	Yes	No	No
Hazard Awareness Program	No	No	No	No
National Weather Service (NWS) Storm Ready	No	No	No	Yes
Building Code Effectiveness Grading (BCEGs)	No	5	No	No
ISO Fire Rating	N/A	5	6	No

<b>CAPABILITIES</b>	<b>Uninc. Pike County</b>	<b>City of Bowling Green</b>	<b>City of Louisiana</b>	<b>City of Clarksville</b>
Economic Development Program	Yes	Yes	Yes	Yes
Land Use Program	No	No	No	No
Public Education/Awareness	No	No	No	No
Property Acquisition	No	No	No	No
Planning/Zoning Boards	No	No	No	No
Stream Maintenance Program	No	No	No	No
Tree Trimming Program	No	No	No	No
Engineering Studies for Streams (Local/County/Regional)	No	No	No	No
Mutual Aid Agreements	Yes	Yes	Yes	Yes
<b>Studies/Reports/Maps</b>				
Hazard Analysis/Risk Assessment (Local)	No	No	Yes	No
Hazard Analysis/Risk Assessment (County)	Yes	No	Yes	No
Flood Insurance Maps	No	No	Yes	No
FEMA Flood Insurance Study (Detailed)	No	No	Yes	No
Evacuation Route Map	No	No	Yes	No
Critical Facilities Inventory	Yes	No	Yes	No
Vulnerable Population Inventory	No	No	Yes	No
Land Use Map	No	No	Yes	No
<b>Staff/Department</b>				
Building Code Official	No	Yes	Yes	No
Building Inspector	No	Yes	Yes	No
Mapping Specialist (GIS)	Yes	No	No	No
Engineer	No	No	Yes	No
Development Planner	No	No	No	No
Public Works Official	Yes	Yes	Yes	No
Emergency Management Coordinator	Yes	Yes	Yes	No
NFIP Floodplain Administrator	Yes	Yes	Yes	Yes
Emergency Response Team	No	No	Yes	No
Hazardous Materials Expert	Yes	No	Yes	No
Local Emergency Planning Committee	No	No	Yes	No
County Emergency Management Commission	Yes	No	No	No
Sanitation Department	No	No	Yes	No
Transportation Department	Yes	No	Yes	Yes
Economic Development Department	Yes	No	Yes	No
Housing Department	No	No	No	No
Historic Preservation	No	No	Yes	No
<b>Non-Governmental Organizations (NGOs)</b>				
American Red Cross	No	No	No	No
Salvation Army	No	No	No	No
Veterans Groups	Yes	Yes	Yes	No
Environmental Organization	No	No	No	No
Homeowner Associations	Yes	No	No	No
Neighborhood Associations	Yes	No	No	No
Chamber of Commerce	Yes	Yes	Yes	Yes

<b>CAPABILITIES</b>	<b>Uninc. Pike County</b>	<b>City of Bowling Green</b>	<b>City of Louisiana</b>	<b>City of Clarksville</b>
Community Organizations (Lions, Kiwanis, etc.)	Yes	Yes	Yes	Yes

<b>Financial Resources</b>				
Apply for Community Development Block Grants	Yes	Yes	Yes	Yes
Fund projects through Capital Improvements funding	Yes	Yes	Yes	Yes
Authority to levy taxes for specific purposes	Yes	Yes	Yes	Yes
Fees for water, sewer, gas, or electric services	No	Yes	Yes	Yes
Impact fees for new development	No	No	No	No
Incur debt through general obligation bonds	Yes	Yes	Yes	Yes
Incur debt through special tax bonds	Yes	Yes	Yes	Yes
Incur debt through private activities	No	Yes	Yes	No
Withhold spending in hazard prone areas	No	No	Yes	No

Source: Data Collection Questionnaire, October 15, 2021

### 2.2.6 Special Districts

Pike County is served by the Mudlick Prairie Levee District. Administered by an elected Commission consisting of 5 members, Mudlick Prairie Levee District provides levee repairs and improvements of flood protection from Salt River flooding, Louisiana Boy Scouts Cabin, 8 Mile Road District, and BNSF Railroad.

- Mitigation initiatives include constructing a controlled and managed overtopping feature creating flood storage.

Pike County is served by the Pike Grain Drainage and Levee District. Administered by an elected Commission consisting of 4 members, Pike Grain Drainage and Levee District provides levee repairs and improvements of flood protection from Salt River flooding, 8 Mile Road District, and drainage ways.

- Mitigation initiatives include constructing a controlled and managed overtopping feature creating flood storage.

### 2.2.7 Public School District Profiles and Mitigation Capabilities

The Public Schools within the planning area are:

- Bowling Green R-I School District
- Louisiana R-II School District
- Pike County R-III School District
- Boncl R-5 School District

All except Boncl R-5 participated in the plan update.

**Figure 2.3 School Districts in Pike County**

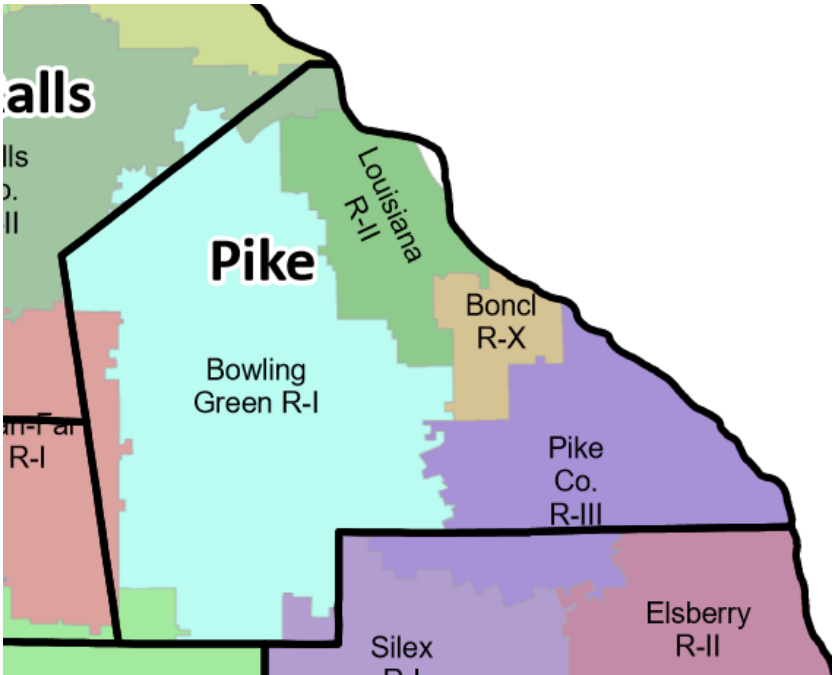
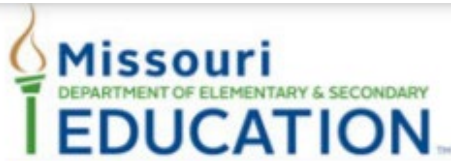


Figure 2.4 Bowling Green R-I School District



Missouri School Directory

[Missouri School Directory \(map\)](#) (Maps are provided purely for reference, please contact county authorities to obtain official school district boundary information.)

**Bowling Green R-I (082-100)**

**Phone:** 573-324-5441  
**Fax:** 573-324-2439  
**E-mail:** [mfrederickson@bgschools.k12.mo.us](mailto:mfrederickson@bgschools.k12.mo.us)

700 W. Adams Street  
 Bowling Green, MO 63334-0005

**County-District Code:** 082-100  
**County:** Pike

**Supervisory Area:** I  
**MSIP:** Accredited

**Congressional District:** 03, 06  
**House District:** 40  
**Senate District:** 18

**Assessed Valuation:** \$125,565,846  
**Tax Levy:** \$3.8678

	Schools	Cert. Staff	Enrollment (Prior Year)		Total
			Residents	Non-Res.	
Elementary Schools	2	63	648	0	648
Middle Schools	1	33	312	0	312
Jr. High Schools	0	0	0	0	0
High Schools	1	46	408	1	409
<b>Total</b>	<b>4</b>	<b>142</b>	<b>1,368</b>	<b>1</b>	<b>1,369</b>

Name	Title	Yrs in District
Mr. Allen Chandler	Pres. of Bd.	
Mr. Brian Scherder	Secy. of Bd.	
Dr. Matt Frederickson	Supt.	5
Ms. Jayne Yoder	Secy. To Supt.	9
Mrs. Janese Bibb	Special Education Director	8
Mrs. Connie Bair	Bkpr.	4
Mr. Reese St. Clair	Dir. Tech.	4
Mrs. Elizabeth Fleer	Coord. A+	5
Mrs. Mackenzie Milosovich	Prof. Dev. Chairperson	

**Bowling Green High (1050)**

700 West Adams Street Bowling Green, MO 63334-2000  
 Phone: 573-324-5341 Fax:573-324-3011

**Grade Span:** 09-12

**Principal:** Mr. William S Mullins (8 years in district)  
**E-mail:** [smullins@bgschools.k12.mo.us](mailto:smullins@bgschools.k12.mo.us)

**Bowling Green Middle (3000)**

700 W Adams Street Bowling Green, MO 63334-2000  
 Phone: 573-324-2181 Fax:573-324-3292

**Grade Span:** 06-08

**Principal:** Mr. David Koogler (9 years in district)  
**E-mail:** [dkoogler@bgschools.k12.mo.us](mailto:dkoogler@bgschools.k12.mo.us)

**Bowling Green Elem. (4020)**

700 West Adams Street Bowling Green, MO 63334-2000  
 Phone: 573-324-2042 Fax:573-324-2331

**Grade Span:** PK-05

**Principal:** Mr. Cory Kessler (6 years in district)  
**E-mail:** [ckessler@bgschools.k12.mo.us](mailto:ckessler@bgschools.k12.mo.us)

**Frankford Elem. (4060)**

500 School Street Frankford, MO 63441-1019  
 Phone: 573-784-2550 Fax:573-324-2550

**Grade Span:** K-05

**Principal:** Mrs. Bird Terri (19 years in district)  
**E-mail:** [tbird@bgschools.k12.mo.us](mailto:tbird@bgschools.k12.mo.us)

**Table 2.11. Bowling Green R-I School District Buildings and Enrollment Data, November 17, 2021**

District Name	Building Name	Building Enrolment
Bowling Green R-I School District	Bowling Green High School	409
Bowling Green R-I School District	Bowling Green Middle School	312
Bowling Green R-I School District	Bowling Green Elementary	542
Bowling Green R-I School District	Frankford Elementary	106

- Mitigation initiatives include a Safe Room/Storm Shelter

**Figure 2.5 Louisiana R-II School District**



Missouri School Directory

[Missouri School Directory \(map\)](#) (Maps are provided purely for reference, please contact county authorities to obtain official school district boundary information.)

**Louisiana R-II (082-108)**

<b>Phone:</b> 573-754-4261	3321 W Georgia St.
<b>Fax:</b> 573-754-4319	Louisiana, MO 63353-2751
<b>E-mail:</b> <a href="mailto:smitht@louisiana.k12.mo.us">smitht@louisiana.k12.mo.us</a>	
<b>County-District Code:</b> 082-108	<b>Supervisory Area:</b> I
<b>County:</b> Pike	<b>MSIP:</b> Accredited
<b>Congressional District:</b> 06	<b>Assessed Valuation:</b> \$49,741,760
<b>House District:</b> 40	<b>Tax Levy:</b> \$4.2500
<b>Senate District:</b> 18	

	Schools	Cert. Staff	Enrollment (Prior Year)		Total
			Residents	Non-Res.	
Elementary Schools	1	32	342	0	342
Middle Schools	1	21	157	0	157
Jr. High Schools	0	0	0	0	0
High Schools	1	26	219	6	225
<b>Total</b>	<b>3</b>	<b>79</b>	<b>718</b>	<b>6</b>	<b>724</b>

Name	Title	Yrs in District
Mrs. Jenna Loveless	Pres. of Bd.	
Mr. William Sheppard	Secy. of Bd.	
Dr. Todd G Smith	Supt.	19
Mrs. Sheila R Patton	Secy. To Supt.	17
Mrs. Ann M Wallace	Bkpr.	12
Mrs. Lacy White	Prof. Dev. Chairperson	

**Louisiana High (1050)**

3321 W Georgia St. Louisiana, MO 63353-2751 **Grade Span:** 09-12  
 Phone: 573-754-6181 Fax:573-754-5964  
**Principal:** Mr. Nicholas Heggemann (14 years in district)  
**E-mail:** [heggemann@louisiana.k12.mo.us](mailto:heggemann@louisiana.k12.mo.us)

**Louisiana Middle (3000)**

3321 W Georgia St. Louisiana, MO 63353-2751 **Grade Span:** 06-08  
 Phone: 573-754-5340 Fax:573-754-5377  
**Principal:** Mr. Robert Spoonster (5 years in district)  
**E-mail:** [spoonsterb@louisiana.k12.mo.us](mailto:spoonsterb@louisiana.k12.mo.us)

**Louisiana Elem. (4040)**

500 Haley Avenue Louisiana, MO 63353-2523 **Grade Span:** PK-05  
 Phone: 573-754-6904 Fax:573-754-3122  
**Principal:** Mrs. Stacy Hamlett (9 years in district)  
**E-mail:** [hamletts@louisiana.k12.mo.us](mailto:hamletts@louisiana.k12.mo.us)

**Table 2.12. Louisiana R-II School District Buildings and Enrollment Data, November 17, 2021**

District Name	Building Name	Building Enrolment
Louisiana R-II School District	Louisiana High School	225
Louisiana R-II School District	Louisiana Middle School	157
Louisiana R-II School District	Louisiana Elementary	342

- Mitigation initiatives include a Safe Room/Storm Shelter

**Figure 2.6 Pike County R-III School District**



Missouri School Directory

[Missouri School Directory \(map\)](#) (Maps are provided purely for reference, please contact county authorities to obtain official school district boundary information.)

**Pike Co. R-III (082-101)**

**Phone:** 573-242-3546  
**Fax:** 573-485-2393  
**E-mail:** [superintendent@clopton.k12.mo.us](mailto:superintendent@clopton.k12.mo.us)

28176 Highway WW  
 Clarksville, MO 63336-0218

**County-District Code:** 082-101  
**County:** Pike

**Supervisory Area:** I  
**MSIP:** Accredited

**Congressional District:** 03, 06  
**House District:** 40 , 41  
**Senate District:** 10 , 18

**Assessed Valuation:** \$51,499,697  
**Tax Levy:** \$5.0017

	Schools	Cert. Staff	Enrollment (Prior Year)		Total
			Residents	Non-Res.	
<b>Elementary Schools</b>	1	26	227	0	227
<b>Middle Schools</b>	0	0	0	0	0
<b>Jr. High Schools</b>	0	0	0	0	0
<b>High Schools</b>	1	36	202	5	207
<b>Total</b>	2	62	429	5	434

Name	Title	Yrs in District
Mrs. Christy Kuntz	Pres. of Bd.	
Mr. Edgar Lindsay	Secy. of Bd.	
Mr. Mike Gray	Supt.	2
Mrs. Angela M Henderson	District Office Admin. Asst	8
Mrs. Stephanie Grimes	Prof. Dev. Chairperson	



**Clopton High (1050)**

28176 Highway WW Clarksville, MO 63336-2637

Phone: 573-242-3546 Fax:573-485-2393

**Grade Span:** 07-12**Principal:** Mr. Larry W Lagemann (28 years in district)**E-mail:** [lagemannl@clopton.k12.mo.us](mailto:lagemannl@clopton.k12.mo.us)**Pike/Lincoln Technical Center (1100)**

430 Vo-Tech Road P.O. Box 38 Eolia, MO 63344-0038

Phone: 573-485-2900 Fax:573-485-2388

**Grade Span:** 10-12**Principal:** Mr. Martin P Hanley (9 years in district)**E-mail:** [HANLEYM@PLTC.K12.MO.US](mailto:HANLEYM@PLTC.K12.MO.US)**Clopton Elem. (4020)**

28176 Highway WW Clarksville, MO 63336-2637

Phone: 573-485-2488 Fax:573-485-2393

**Grade Span:** PK-06**Principal:** Mrs. Stephanie Grimes (9 years in district)**E-mail:** [grimess@CLOPTON.K12.MO.US](mailto:grimess@CLOPTON.K12.MO.US)**Table 2.13. Pike County R-III School District Buildings and Enrollment Data, November 17, 2017**

District Name	Building Name	Building Enrolment
Pike County R-III School District	Clopton High / Pike-Lincoln Technical Center	207
Pike County R-III School District	Clopton Elementary	227

- Mitigation initiatives include a new fire alarm/suppression system at Clopton HS, Elementary, and Middle School, Safe Room/Storm Shelter at the main and west campuses, parking lot improvements at all campus locations, warning sirens at the main and west campuses

**Table 2.14. Summary of Mitigation Capabilities**

Capability	Bowling Green R-I	Louisiana R-II	Pike County R-III
<b>Planning Elements</b>			
Master Plan/ Date	Yes, April 2021	Yes	Yes
Capital Improvement Plan/Date	Yes, April 2021	Yes	Yes, August 2021
School Emergency Plan/Date	Yes, August 2021	Yes	Yes, August 2021
Weapons Policy/Date	Yes, August 2021	Yes	Yes, August 2021
<b>Personnel Resources</b>			
Full-Time Building Official (Principal)	Yes	Yes	Yes
Emergency Manager	Yes	No	Yes
Grant Writer	Yes	No	Yes
Public Information Officer	Yes	No	Yes
<b>Financial Resources</b>			
Capital Improvements Project Funding	Yes	Yes	Yes
Local Funds	Yes	Yes	Yes
General Obligation Bonds	Yes	Yes	No
Special Tax Bonds	No	No	Yes
Private Activities/Donations	Yes	No	Yes
State and Federal Funds/Grants	Yes	Yes	Yes
<b>Other</b>			
Public Education Programs	No	No	No
Privately or Self- Insured?	N/A	N/A	N/A
Fire Evacuation Training	Yes	Yes	Yes
Tornado Sheltering Exercises	Yes	Yes	Yes
Public Address/Emergency Alert System	Yes	No	Yes
NOAA Weather Radios	Yes	No	Yes, 2/3 buildings
Lock-Down Security Training	Yes	Yes	Yes
Mitigation Programs	No	No	No
Tornado Shelter/Saferoom	Yes	No	No
Campus Police	Yes	No	No

Source: Data Collection Questionnaire, October 15, 2021

