

# Michigan Faces Challenges From Climate Change: Flooding, Foundation Leaks, And Aging Sewer Infrastructure

*Michigan Is Facing Flooding Issues Across Several Regions In 2026, Driven By A Combination Of Heavy Spring Rains, Rapid Snowmelt, And Aging Infrastructure*

SHELBY TOWNSHIP, MI, UNITED STATES, March 21, 2026

[/EINPresswire.com/](https://EINPresswire.com/) -- As climate change intensifies precipitation patterns across the United States, Michigan residents are grappling with more frequent and severe flooding events that are exacerbating foundation leaks, basement waterproofing needs, and drainage issues in Michigan homes. Heavy rainstorms, now more common due to rising temperatures and increased atmospheric moisture, are overwhelming the state's aging infrastructure, leading to widespread basement flooding, sewer overflows, and structural damage to foundations.

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Experts note that Michigan has seen a significant increase in annual precipitation and the intensity of extreme weather events. This has resulted in higher risks of flooding, particularly in low-lying areas and urban centers like Metro Detroit. Homeowners are reporting persistent foundation leaks Michigan problems, where hydrostatic pressure from saturated soils pushes water through cracks in basement walls and floors, causing seepage, mold

growth, and costly water damage. Effective basement waterproofing Michigan solutions are in high demand to combat these foundation leak repair needs and prevent further deterioration.



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Michigan's climate is changing rapidly. State and federal climate experts report that average temperatures and extreme precipitation are rising. In 2024 Michigan endured its warmest year on record (3–4°F above normal), and annual precipitation has climbed roughly 11–14% above mid-20th century averages. As a result, heavy summer storms and rapid snowmelt now routinely overwhelm streets and basements. For example, the remnants of Hurricane Beryl in July 2024 dumped 2–7 inches of rain across Southeast Michigan, flooding yards and roads. Such deluges are no longer rare: NOAA notes multiple billion-dollar disasters (flooding and severe storms) have struck Michigan in recent years. In 2021 Detroit saw over 6 inches of rain in 12 hours, triggering street, freeway, and basement inundation. Michigan Sea Grant similarly warns that total rainfall has increased ~14% and heavy downpours are ~35% more frequent due to climate change. These wetter, stormier conditions place tremendous stress on homes – pushing water through basement walls and overrunning drainage systems. Street flooding after heavy rain in Metro Detroit illustrates how yards and roadways become ponded during intense storms.



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The advertisement features a circular inset image showing exterior waterproofing work on a brick foundation. The image shows a black membrane being applied to the wall, with a mesh reinforcement layer visible. The ground is dirt and gravel.

Exterior Waterproofing

Michigan's geology compounds the problem: most soils in Wayne, Oakland and Macomb counties are heavy clay that retains water like a sponge, creating intense hydrostatic pressure against foundations. When saturated clay presses continuously on basement walls during spring rains and snowmelt, even hairline cracks seep water. Michigan's harsh freeze–thaw cycle makes matters worse: ice expansion in wet soil can widen existing foundation cracks, only to let in more water when it thaws. The result is wet basements and foundation leaks – visible as horizontal cracks, efflorescence or bulging walls. Compounding the climate-driven flooding are Michigan's outdated sewer systems. Many

municipalities still rely on combined sewer systems that carry both stormwater and sewage. During heavy rains, these old sewer systems experience sewer capacity issues, resulting in combined sewer overflows (CSOs) that release billions of gallons of raw or partially treated sewage into waterways and, alarmingly, back up into residential basements. Cities across Michigan, including areas in Southeast Michigan, have documented massive overflows—such as the 10 billion gallons released during a 2014 storm event—highlighting the urgent need for infrastructure upgrades. Sewer overflow Michigan and sanitary sewer overflows (SSOs) not only pollute the Great Lakes but also create immediate health hazards and property damage through basement sewage backups.

Another critical concern is the prevalence of old water service lines made of lead and galvanized steel. Thousands of Michigan homes still have these hazardous pipes, posing lead exposure risks especially to children. Fortunately, homeowners can access various grants and funding programs for lead service line replacement Michigan and galvanized pipe replacement. Through the federal Bipartisan Infrastructure Law (IIJA) and state initiatives by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), including the “Get the Lead Out” program, communities are receiving millions in grants and low-interest loans. Local programs in Detroit and other cities often cover replacement costs for public and private service lines, providing relief to homeowners facing excavation and plumbing upgrades.

Waterproofing and excavation contractors Michigan are uniquely positioned to help address these multifaceted issues. Companies specializing in foundation waterproofing, interior drainage systems, French drain installation, [sump pump systems](#), and [exterior basement waterproofing](#) can mitigate flooding risks. These experts perform crucial excavation for sewer line replacement, major plumbing repairs, and lead pipe removal while installing comprehensive drainage solutions to manage groundwater and stormwater. By partnering with homeowners to apply for available grants, these contractors not only perform essential foundation crack repair and wet basement repair but also contribute to long-term community resilience against climate change impacts.

Sewer capacity issues and the need for modernized infrastructure underscore the importance of proactive measures like backflow prevention devices and upgraded stormwater management. Homeowners experiencing drainage issues in Michigan or foundation leaks should seek professional assessment promptly to avoid escalating repair costs.

Mansour’s Innovations, a leading waterproofing and excavation contractor based in Shelby Township, Michigan, has been at the forefront of battling these challenges. With extensive experience in basement waterproofing, foundation repair, French drain systems, sump pump installation, [sewer backflow prevention](#), hydro jetting, and full excavation services, Mansour’s Innovations stands out as one of the top contractors to contact in Michigan. Alongside other reputable waterproofing contractors in Metro Detroit Michigan, they have helped numerous families protect their homes from foundation leaks, basement flooding, and related drainage issues through reliable, warranted solutions. Their commitment to the community makes them a

trusted partner for homeowners navigating grants for infrastructure improvements and comprehensive waterproofing projects.

For more information on basement waterproofing Michigan or scheduling a consultation for foundation leak repair, contact local experts today.

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Mansour's Innovations

+ +1 586-345-7292

[mansoursinnovations@gmail.com](mailto:mansoursinnovations@gmail.com)

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