



THE MIAMI
CONSERVANCY
DISTRICT

Aquifer Preservation Subdistrict



Preserve

Main District



Protect

River Corridor Improvement Subdistrict



Promote

MaryLynn Lodor, General Manager

937.223.1278 x3220

MCDwater.org

1916 – Asheville, North Carolina

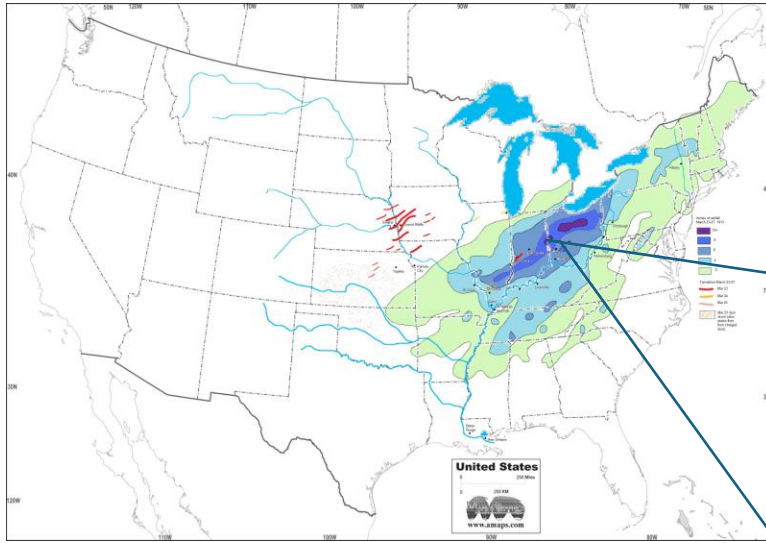


1913 - Dayton, Ohio

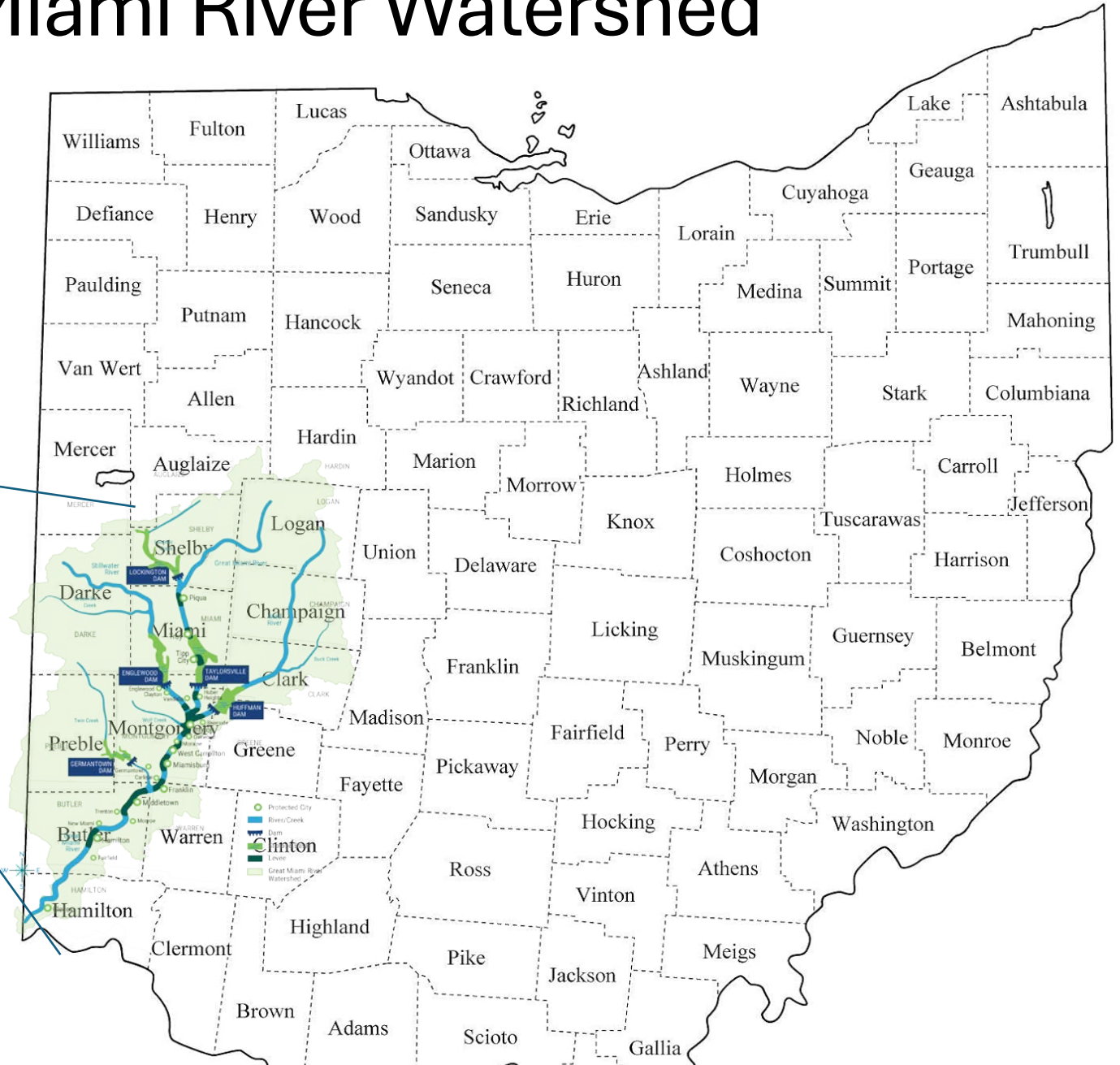




Ohio's Great Miami River Watershed



Three storm systems met...
... 4 days, 9-11" of rain....
...Atop snow melt
...Near-frozen and saturated ground





Waters rose, exerting tremendous pressure on levees. Levees broke, sending walls of water throughout downtown.

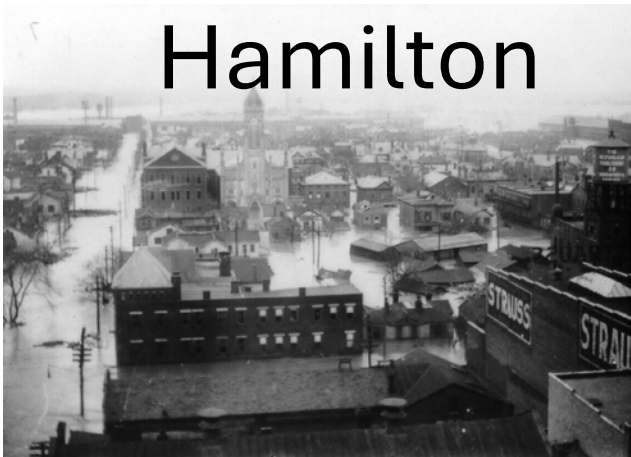
Within minutes, three feet of water covered downtown areas. Flood waters, as deep as 20', stretched a mile wide.



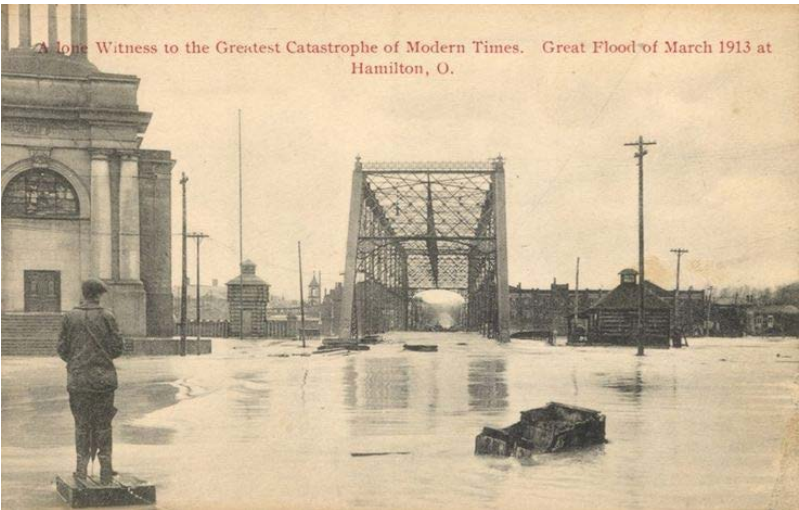
Devastation across multiple cities



Piqua



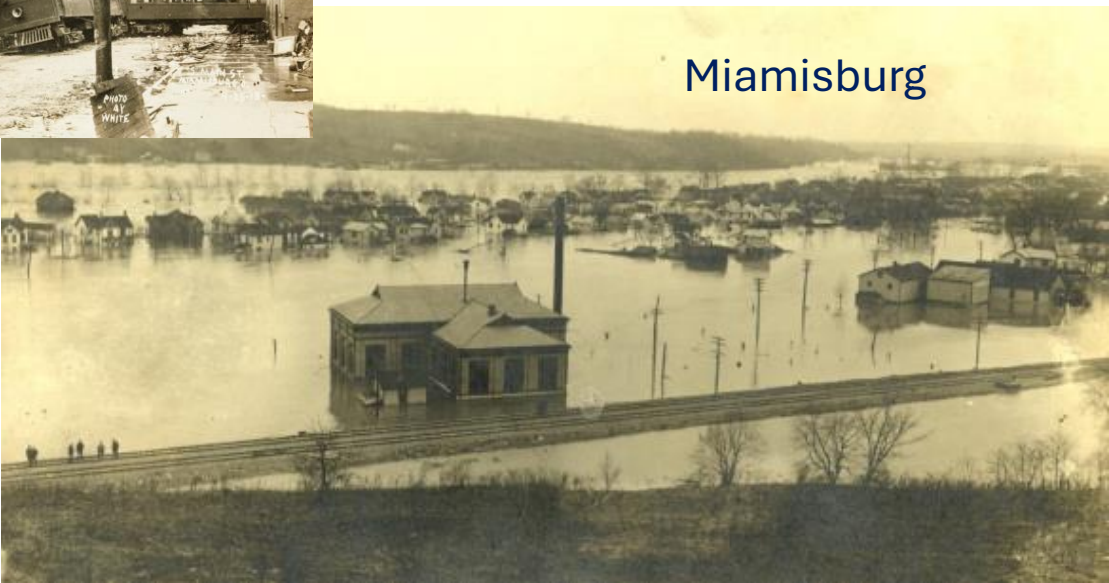
Hamilton



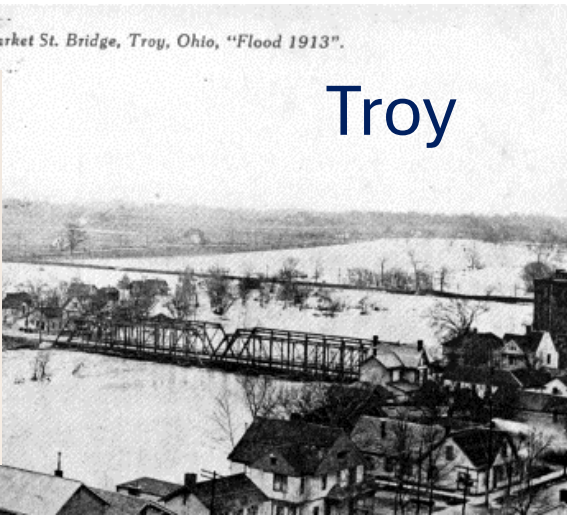
West Carrollton



Miamisburg



Moraine



Troy

Riverside

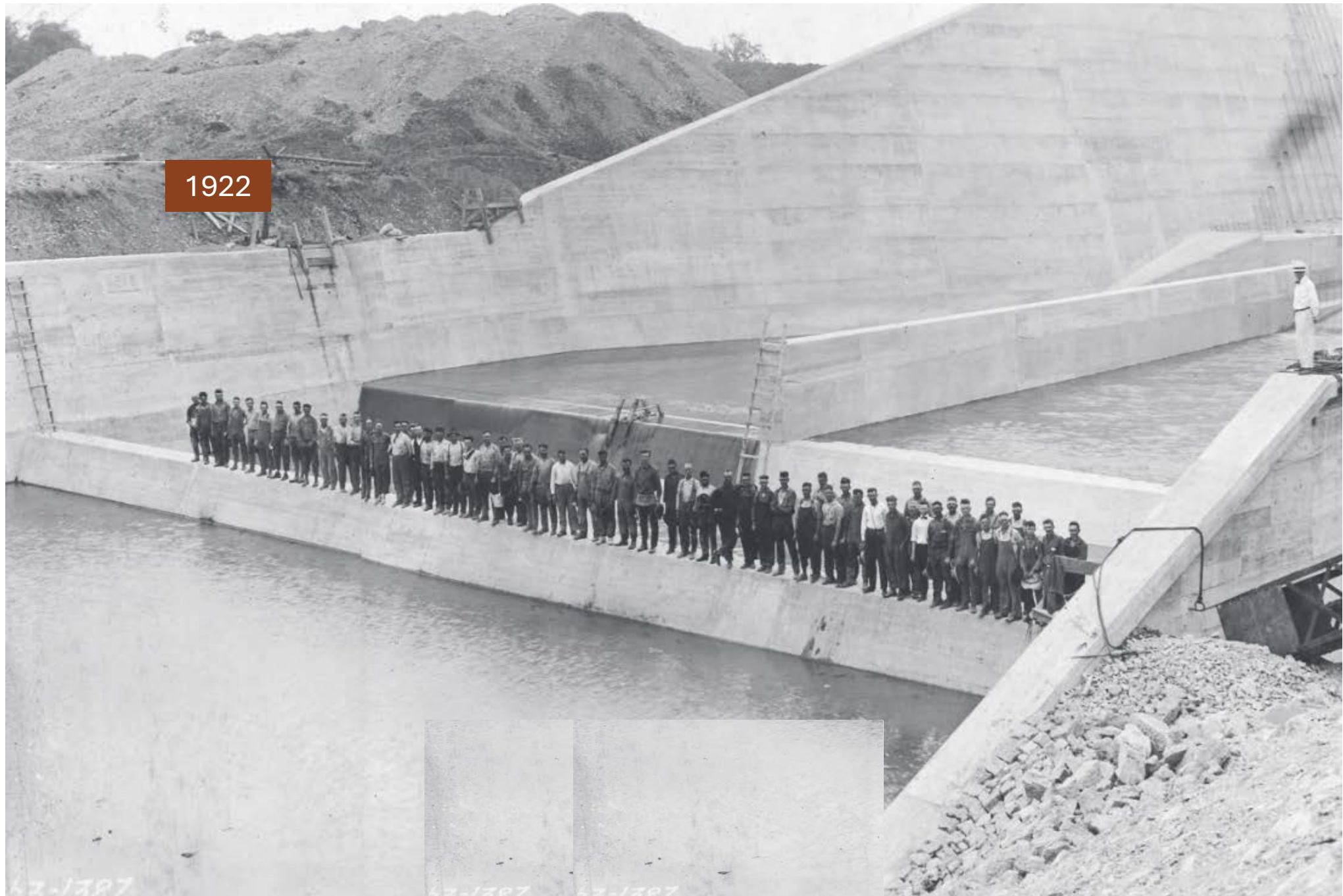
John H. Patterson (derby) gave over of his factory c force to help t Here people co and shelter, m seek missing n friends; there s barber and bo

[illegible]

\$2 Million (\$65M 2025) raised by the end of May 1913



1922



https://youtu.be/1o3AJ5_5UNM



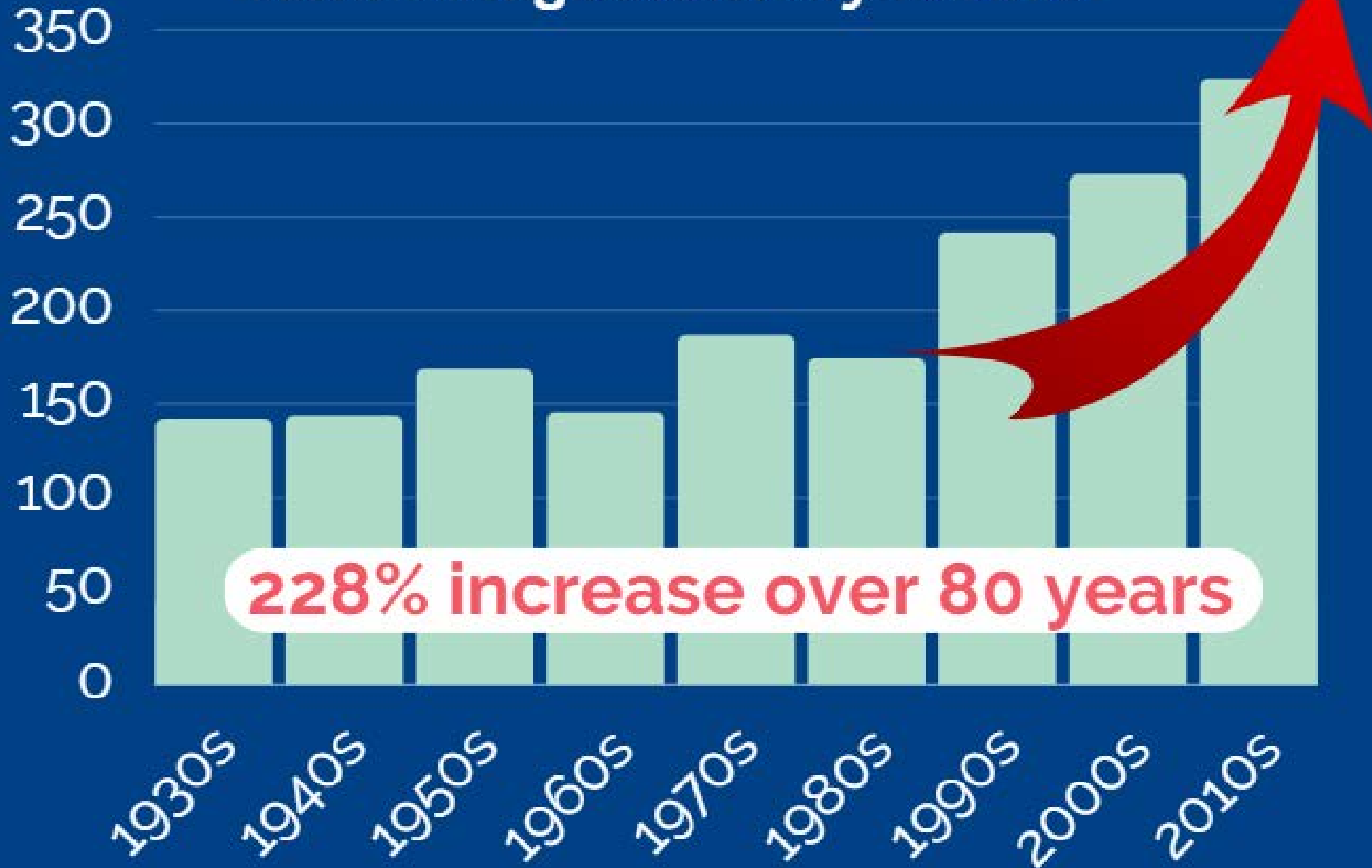
What is protected by Miami Conservancy District?

- **1 Million people**
- **More than 47,000 properties directly protected in five counties**
- **More than \$10 billion worth of buildings and land**
- **11 hospitals**
- **60+ schools and colleges**
- **814 miles of public roads**
- **14 wastewater treatment plants**
- **9 water treatment plants**
- **Drinking source water & wellfields**
- **Outdoor recreation**
- **The region contributes floodwater and benefits indirectly**





Total storage events by decade



03-31-2025 thru 04-08-2025

To watch, go to:

<https://www.youtube.com/watch?v=Z25AXiX-l60>

12th largest Floodwater Storage Event in Miami Conservancy District history

Structural Repairs Needed to MCD's High Hazard Dams

Germantown



Englewood



Taylorsville





Integrated Flood Protection System

- 5 large dry dams – high hazard dams
- 55 miles of levees
- 200+ floodgates
- 35,000 acres storage basin with flooding rights.
- 1,100 acres of flood plain



32 NFL TEAMS = 30 stadiums



274 Billion Gallons of Capacity

Who oversees Miami Conservancy District?

We the People



**Miami Conservancy
Court**



**THE MIAMI
CONSERVANCY
DISTRICT**

Voters of:

*Butler, Clark, Greene, Hamilton, Miami,
Montgomery, Preble, Shelby and Warren*

**One elected common pleas
judge from each county:**

*Court provides oversight as the governing
body of the Miami Conservancy District*

**Court appoints the board of
directors & board of appraisers:**

Board of directors oversee staff



Challenge: Outdated Funding Model

Only those that flooded currently pay, while the region benefits.

7th Readjustment of Benefits paused by the Court in 2024

- Listened to feedback
- Benchmarked other districts
- Public opinion research
- Advisory Committee
 - 20 community leaders/9 counties
 - Facilitated by MVRPC
 - Insight into options considered





A New, Updated Approach

*Two other Ohio Conservancy Districts
use this approach*

Based on:

- **Contribution to flooding risk**
Stormwater runoff by property
- **Benefits received**
From flood protection the
region enjoys

***....Phasing out use of Property Value by
2028***





Reality: The System Benefits the Region

Regional Flood Protection, protects the region.

Those who contribute to potential flooding also benefit from reduced risk from....

- Loss of Hospital Services
- Delay of Roads and Bridges
- Loss of Emergency Medical Services
- Loss of Potable Water
- Loss of Wastewater
- Loss of Electric
- Loss of Economic base



Next Steps

Over the next few years, the Miami Conservancy District will update the benefit appraisal record, the boundaries of the district, and the assessments that fund flood protection.

Phase 1

Study flood protection funding method and alternatives of updated district boundaries

July 2024 – Aug 2025

Phase 2

Develop funding method, and appraise newly-identified updated benefits.

Sept 2025 – Sept 2026

Phase 3

Property owners notified by MCD; Exceptions process begins

Nov 2026 – Jan 2027

Phase 4

Assessments filed by MCD with County Auditors; MCD begins collection of assessments

Fall 2027 - Jan 2028



Groundwater Protection

OWDA grant to research the threat of water diversion and develop "What-If" tools





Three Takeaways

1. Century old system needs fixed
2. Increased pressure, working harder
3. Need to keep the region safe, system strong

*Regional Flood Protection, protects the region.
We will need your help to fix the system, share the need!*



Taylorsville Dam

Asheville, NC: Great Flood of 1916



Asheville, NC: October 2024: Hurricane Helene

