

Scope of Watershed Resilience Plan

- Set the stage with what we know
- Offer achievable recommendations to mimic natural systems
- Provide tools to learn more and make science-based decisions
- Reach those who can use the tools and respond

Mitigation: Reduce greenhouse gas emissions

Adaptation: Reduce vulnerabilities in face of change

Resilience: A capability to **anticipate, prepare for, respond to, and recover from** significant multi-hazard threats with minimum damage to social well-being, the economy, and the environment.



- **Strengths** of Values, Org. Structure, Education, Shared Resources
- **Weaknesses** in Urban, Residential, Agricultural, Natural areas
- **Opportunities** are Recommendations for Action
- **Threats** of Temperature, Changing Precipitation Patterns

Increased Temperature

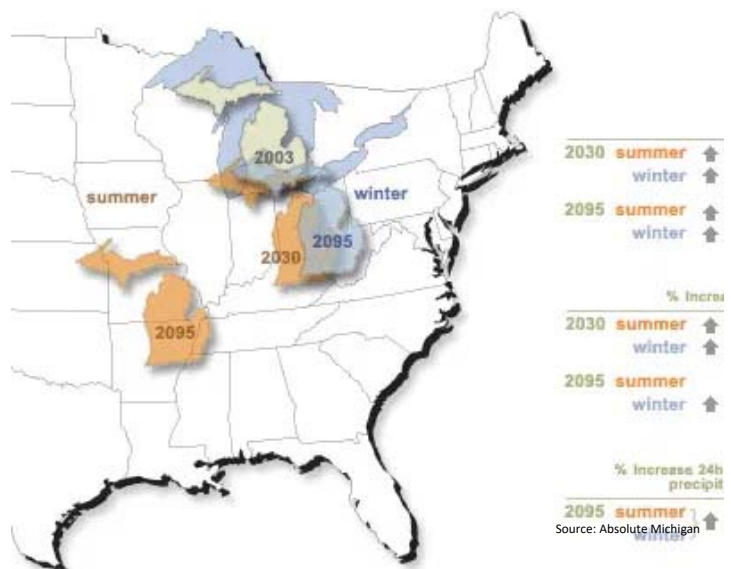
Great Lakes*

- ↑ 1.5°F since 1901
- ↑ 5.4 °F – 12.6°F by 2100
- ↑ # days >90 °F

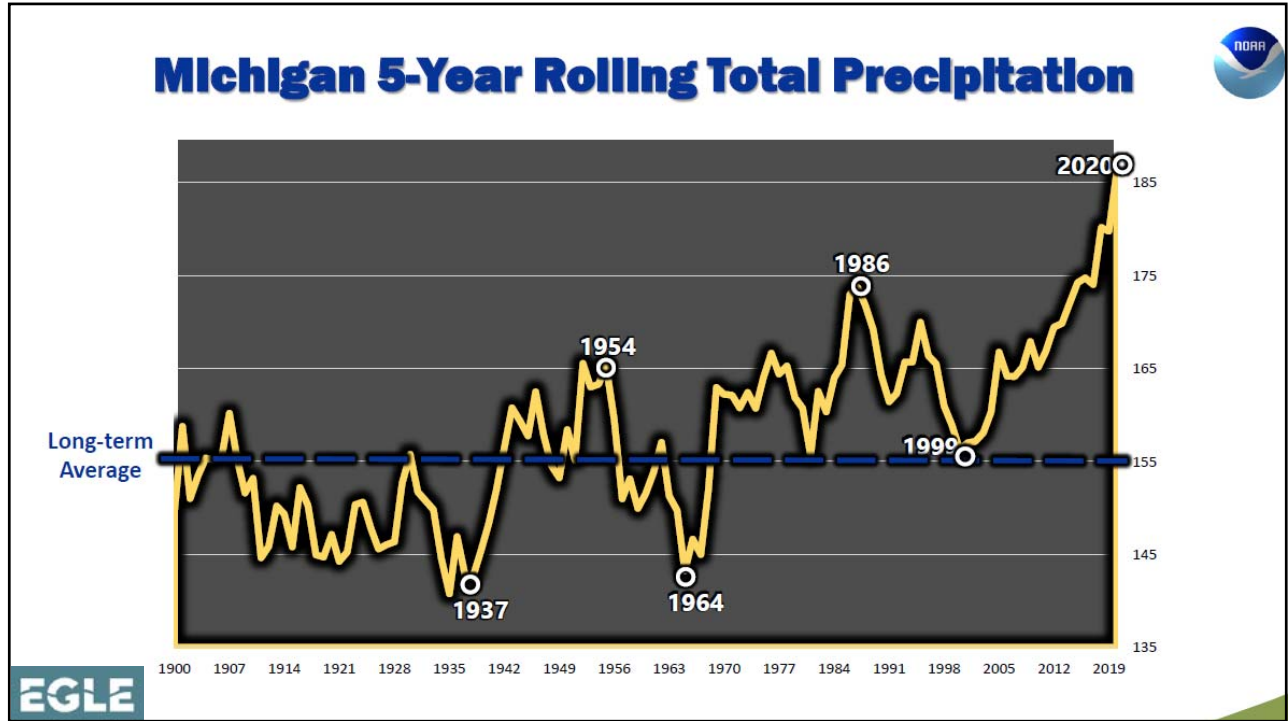
Grand Rapids**

- ↑ 2°F by 2022
- ↑ 4°F by 2042

By the end of the century, Michigan summers may feel like those of current-day northern Arkansas.



*NOAA, 2019 **WMEAC, 2013



Pixabay

Michigan Radio

Strengths of the Lower Grand River Watershed



- Watershed Values consider all ecosystem services
- Organizational Structure and partnerships
- Environmental Education
- Shared Resources of mapping and technology

Opportunities

Individuals



- Participate in water and land protection activities
- Create flood resilient strategies where you live
- Be observant: notice changes and rhythms

Opportunities

Community/ Businesses



- Create sense of place
- Build watershed groups
- Involvement in development plans
- Community science
- Rainscaping
- Expand use of public transportation

Opportunities

Government – Policies and Planning



- Watershed-focused planning
- Protect natural and cultural resources
- Agreements between communities
- Focus on public health

Crowdsourcing – The Power of the Many



We Want Your Input!

Help your community increase its resilience:
A changing environment is impacting the Lower Grand River Watershed, but understanding the threats our community faces can help us prepare for and adapt to these changes.



Your story is important - Share your environmental concerns and ideas for improvement by contributing to the Lower Grand River Watershed Resilience Plan:

Get Involved with the Watershed Resilience Plan today!

gvmc.mysocialpinpoint.com/resilience-plan



www.lgrow.org

<https://gvmc.mysocialpinpoint.com/resilience-plan>

