

GROUNDWATER WORKSHOP #1

For municipal leaders of Allegan County

HOSTED BY
ALLEGAN
COUNTY



PRESENTED BY:
williams&works



Acknowledgements

We appreciate
your continued
support.



Board of Commissioners:

- Jim Storey, Chair
- Dean Kapenga, Vice-Chair
- Mark DeYoung, Commissioner
- Gale Dugan, Commissioner
- Scott Beltman, Commissioner
- Robert J. Sarro, County Administrator

Groundwater Study Work Group:

- Tom Kunetz, Chair, Community Representative
- Elizabeth Binoniemi-Smith, Tribal Representative
- John Curtis, Community Representative
- Zachary Curtis, Consultant
- Jaclyn Hulst, Community Representative
- Dean Kapenga, County Commissioner Representative
- Ruth Kline-Robach, Academic Representative
- Chad Kraai, Well Driller
- Brad Lubbers, Agricultural Representative
- Brian Talsma, Conservation District Representative
- Doug Sweeris, Municipal Water Supply Representative

A close-up photograph of water dripping from a pipe into dark, moist soil. The background is blurred, showing green foliage. The text 'Thank you all for joining.' is overlaid in white, bold font on the left side of the image.

**Thank
you all for
joining.**

A decorative teal wavy line graphic located below the 'Thank you all for joining.' text.

4:15

Welcome & Overview of the Process

4:30

The ABC's of Groundwater

5:00

Areas of Concern and Water Quality Risk

5:20

Groundwater Use and Future Demand

5:45

Break / Dinner Served

6:15

Alleghen County Groundwater Research Q&A Panel

7:00

Group Discussion

7:25

Next Steps

Meet our Speakers

Randy Rapp, RS,
Allegan County
HEALTH SERVICES
MANAGER



Dan Whalen, PE,
Williams & Works
HYDROGEOLOGICAL
ENGINEER



Maleah Rakestraw,
PLA, Williams & Works
MEETING
FACILITATOR



Jim Storey,
Allegan County
CHAIR OF THE BOARD
OF COMMISSIONERS



Tom Kunetz,
Allegan County
Groundwater Study
Work Group
CHAIR, COMMUNITY
REPRESENTATIVE



Zachary Curtis,
Ph.D.,
Hydrosimulatics
Inc.
HYDROGEOLOGIST



Rob Sarro,
Allegan County
COUNTY
ADMINISTRATOR



2019

2020

2021

Allegan County hosts an informational groundwater meeting to share the results of the Ottawa County Groundwater Study.

The Phase 1 Groundwater Study is initiated to assess the general health of the groundwater resource.

The Phase 1 Study is completed and findings are presented to the County and Local Units.



2022

2023

2024

The Ad-Hoc Groundwater Study Workgroup is established.

The Phase 2 Study is completed and results are presented to the Workgroup and Board of Commissioners.

A Groundwater Assessment Report (GAR) is drafted as part of the County's Groundwater Strategic Plan process.

The Phase 2 Groundwater Study is initiated to identify sites of contamination.

Efforts to conduct a Groundwater Strategic Plan kick-off.



The GAR

GROUNDWATER ASSESSMENT REPORT

Filled knowledge gaps from the Phase 1 & Phase 2 Studies:

- Expanded the Groundwater Protection Area Delineation
- Identified the types of contamination for the previously identified sites of concern
- Assigned values for site risks to drinking water



The GAR

GROUNDWATER ASSESSMENT REPORT

Provided new research:

- Developed a county-wide Groundwater Risk Map
- Projected groundwater demand & future use

All GAR information is presented in a digestible and user-friendly report.

