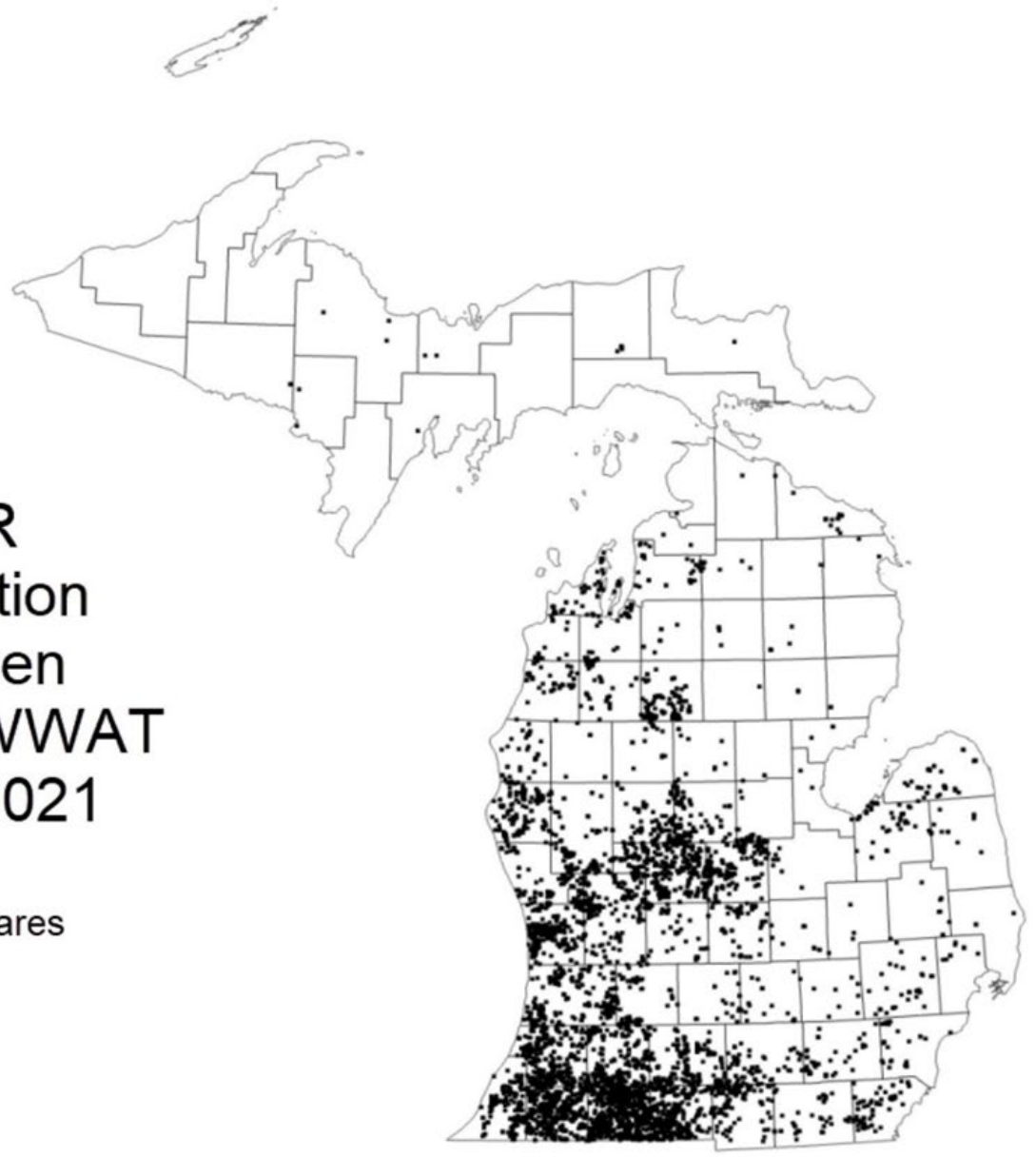
Groundwater Resources in Michigan

Improving regulatory decisions with better data

5,814 WWAT/SSR registrations for irrigation withdrawals have been requested through the WWAT as of November 15, 2021

Locations indicated by black squares



The Proposal

The State of Michigan, through MPIC, partners with a professional hydrogeologic consulting firm(s) to create a new public-private partnership for a monitoring well network with shared data

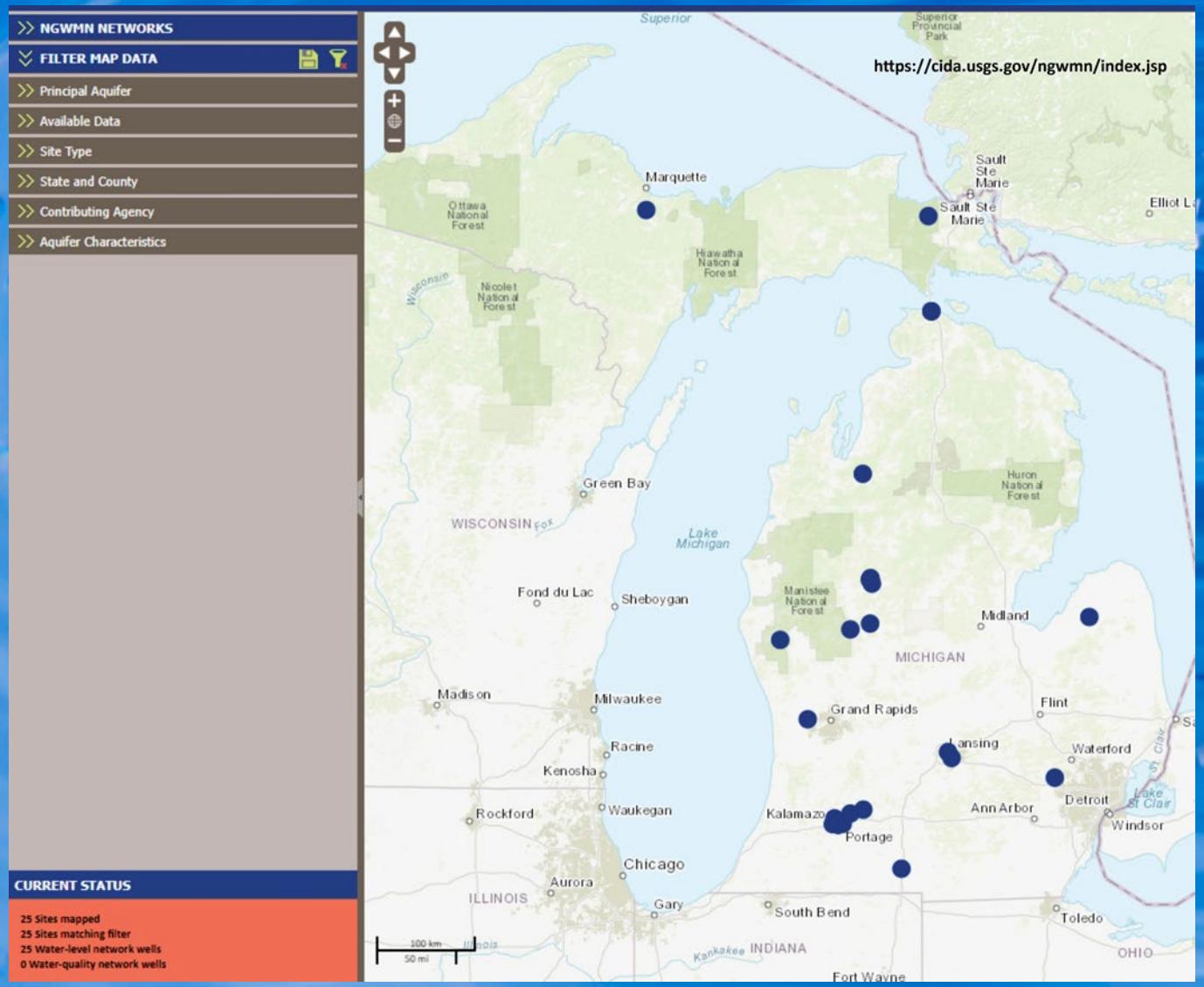
The legislature provides:

One-time funding of $25 million for the installation of up to 500 monitoring wells and 3 years of data collection

The Issue

Why is GW Monitoring needed?

- Michigan just enacted an economic development incentive package - $1B to compete and win transformational projects
- Access to suitable water resources becomes critical to economic development efforts to secure and win jobs for Michigan

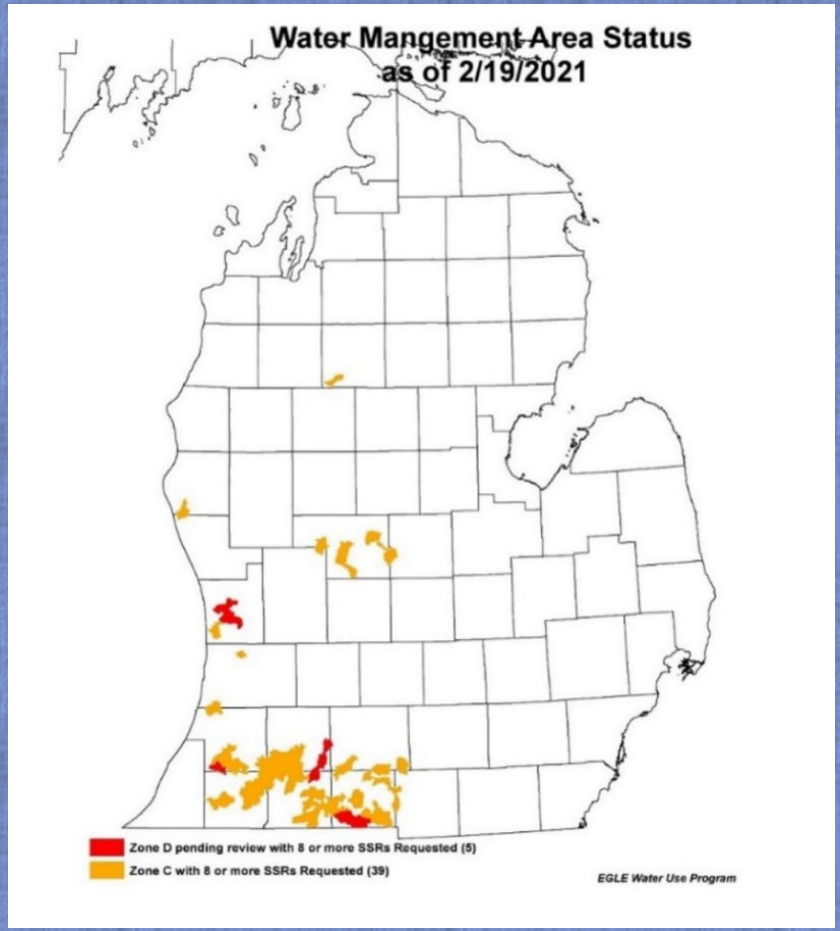


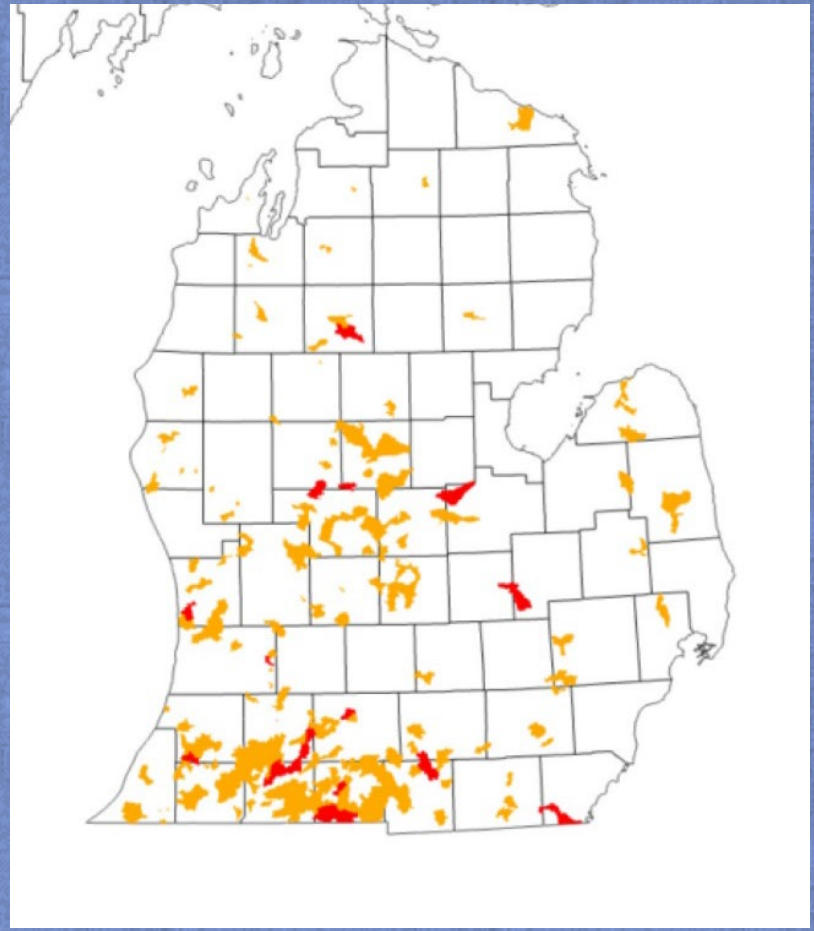
The State is regulating large quantity water wells using an unverified stream depletion model and an active network of only 25 monitoring wells.

Michigan Water Withdrawal Assessment Program

Administered by EGLE (MI Department of Environment, Great Lakes, and Energy) since the inception 13 years ago.

- Use the Michigan Water Withdrawal Assessment Tool (Mi-WWAT) screening tool to predict possible adverse resource impacts
- Site-Specific Review process is in place to take more in-depth look at the real impact to the water resource





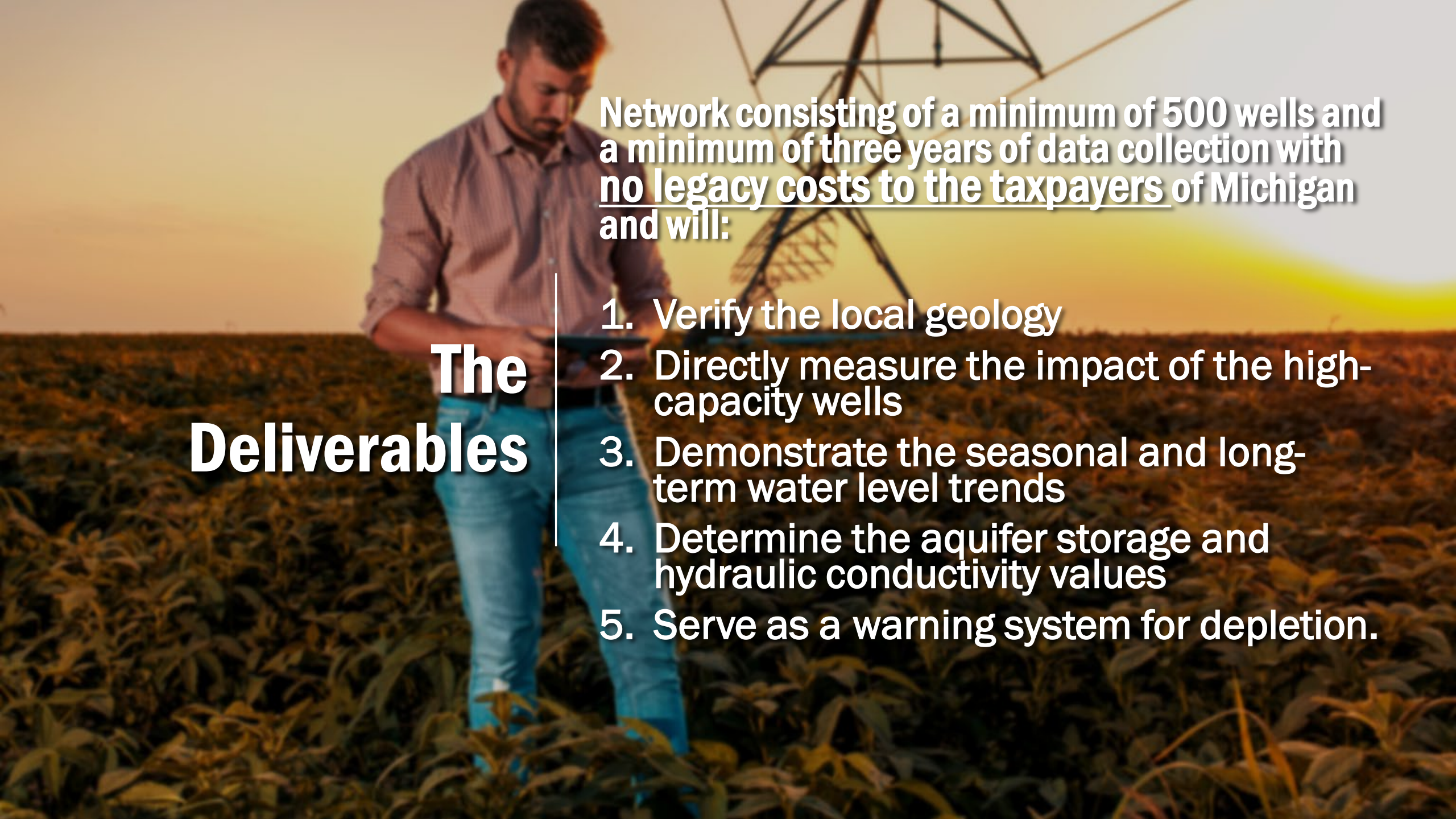
FEBRUARY, 2021

NOVEMBER, 2021

The Issue

Why is GW monitoring needed?

- Need for additional groundwater data is urgent to ensure:
  - ✓ Ability to optimize management of groundwater resources
  - ✓ Environmental protection of ground and surface water resources



The Deliverables

Network consisting of a minimum of 500 wells and a minimum of three years of data collection with no legacy costs to the taxpayers of Michigan and will:

1. Verify the local geology
2. Directly measure the impact of the high-capacity wells
3. Demonstrate the seasonal and long-term water level trends
4. Determine the aquifer storage and hydraulic conductivity values
5. Serve as a warning system for depletion.

The Group

PGMI
Potato Growers of Michigan, Inc.

Michigan Seed Potato Association

Michigan Vegetable Council

Michigan Soybean Association

Michigan Ground Water Association

MAA
Michigan Aggregates Association
Protecting and Promoting Your Interests

MWS
Midwest Water Stewards

Michigan Valley Irrigation

Michigan Corn

MAISCO

Questions?

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