

4R Nutrient Stewardship Certification Program

**We All
Play A
ROLE**

Western Lake Erie Basin



4Rcertified.org



@4Rcertified

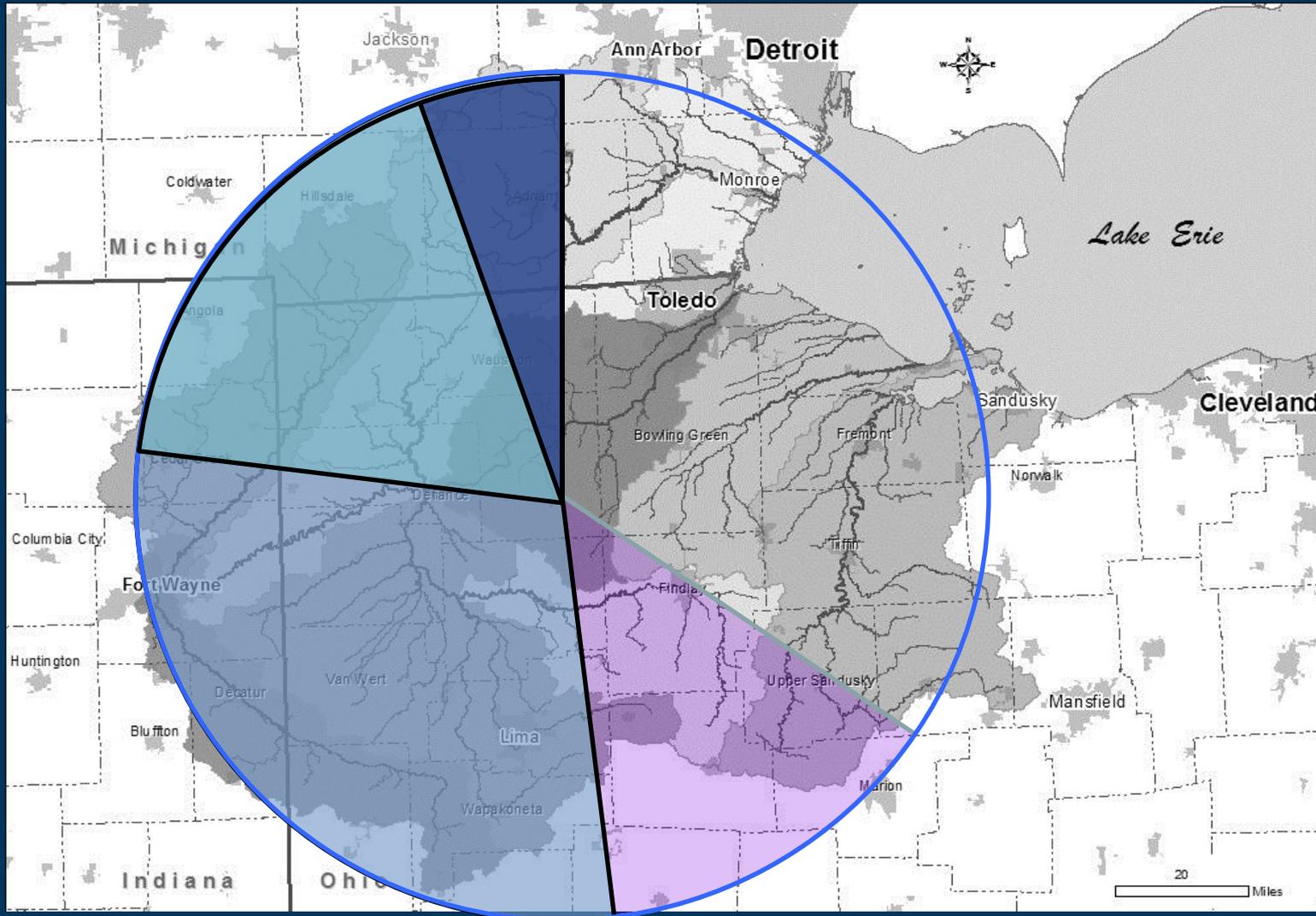


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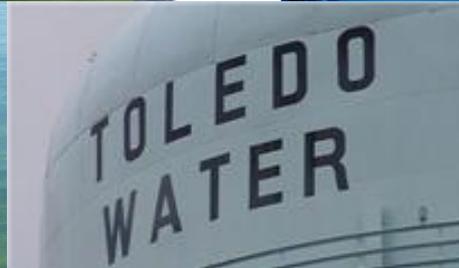
**Andrew Allman, Nutrient Stewardship
Council Executive Director**

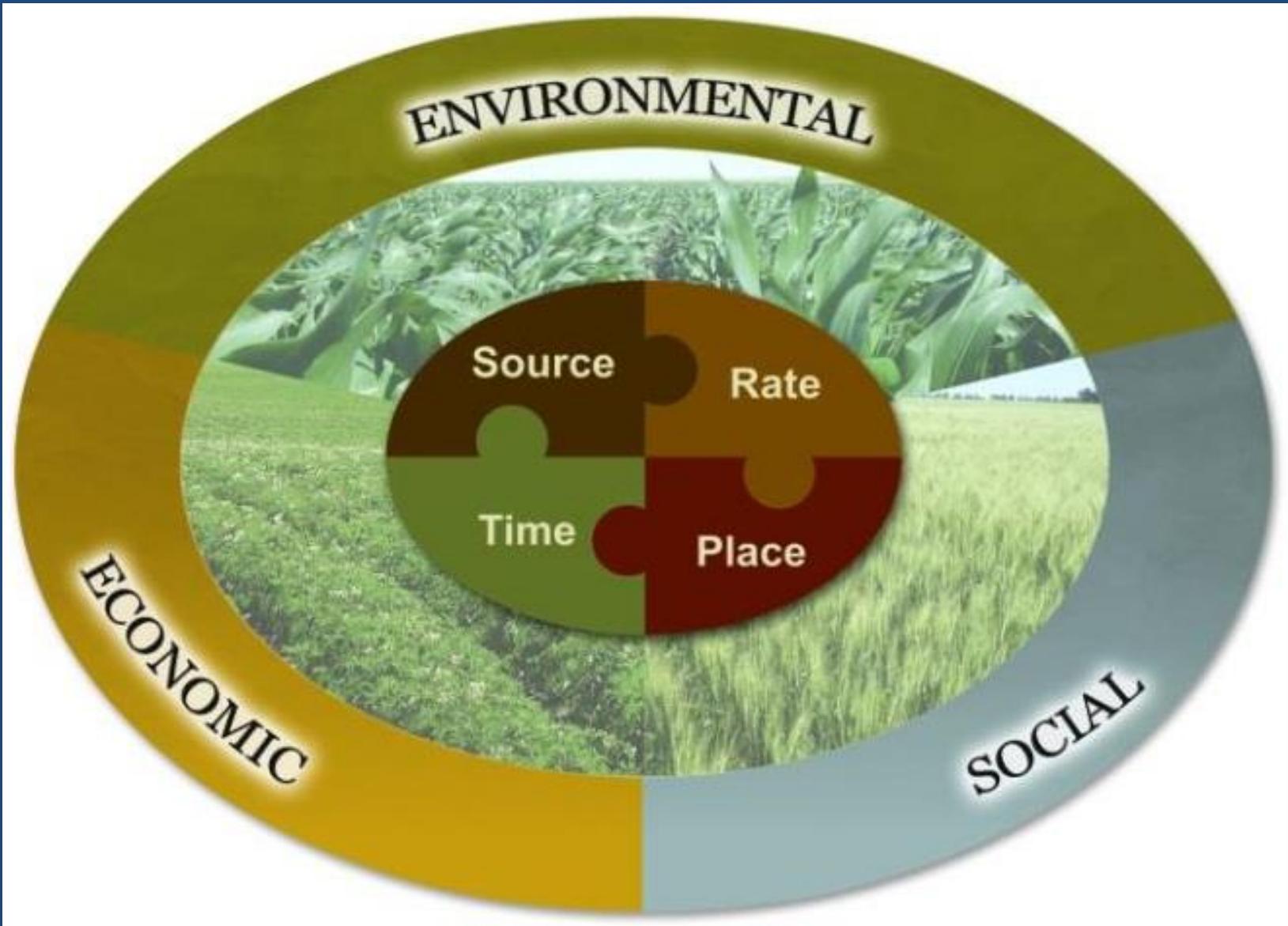


Western Lake Erie Basin



Cumulative Impacts



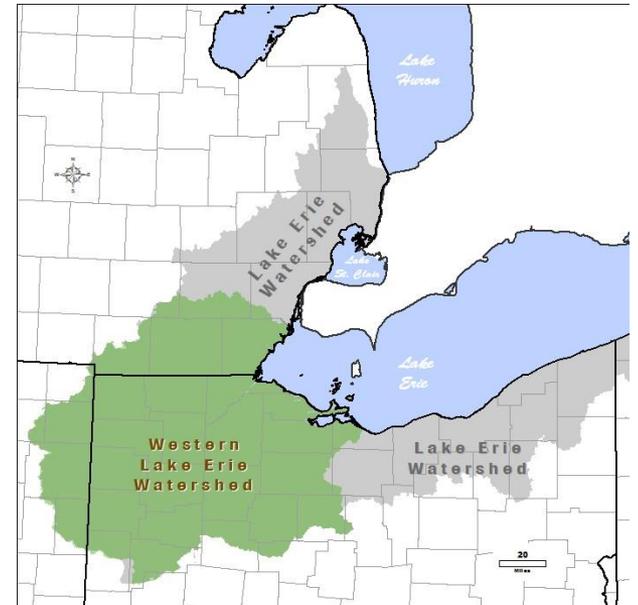




Private Third
Party Auditor

Nutrient Service
Providers

Voluntary





Why would Nutrient Service Providers support the Program?

- It's the right thing to do!
- Reassurance to friends, neighbors, community and customers.
- Supports finding solutions to nutrient run-off reduction.
- Cleaner Water!



Environmental Relationship

Edge of Field



Watershed



Lake Erie



Research
Fund



Building Relationships can Scale Conservation





Program Governance

- Nutrient Stewardship Council (NSC):
 - Agricultural Business – 5 members, including 1 active producer
 - Government – 2 members
 - Environmental Non-governmental organization – 2 members
 - Universities/Researchers – 2 members

- NSC 4R Program Certification Sub-Committee

- 4R Nutrient Stewardship Certification Program Advisory Committee





4R Nutrient Stewardship Certification Program Advisory Committee



Corn Marketing Program of Michigan
Michigan Corn Growers Association



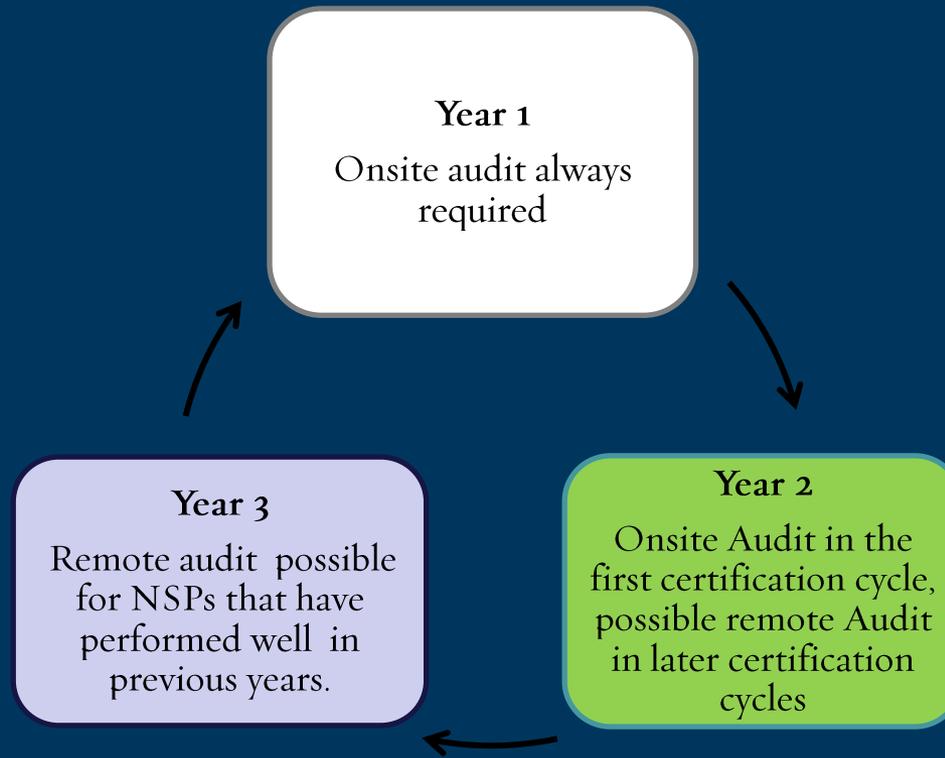


Program Process





Program Audit Cycle



Audit Year	# Requirements	# Requirements (Cumulative)
1	26	26
2	9	35
3	6	41



Training and Education

1. Certified Professional
2. Initial and ongoing trainings for staff
3. Provide 4R materials for all growers/customers
4. Sponsor trainings for growers/customers





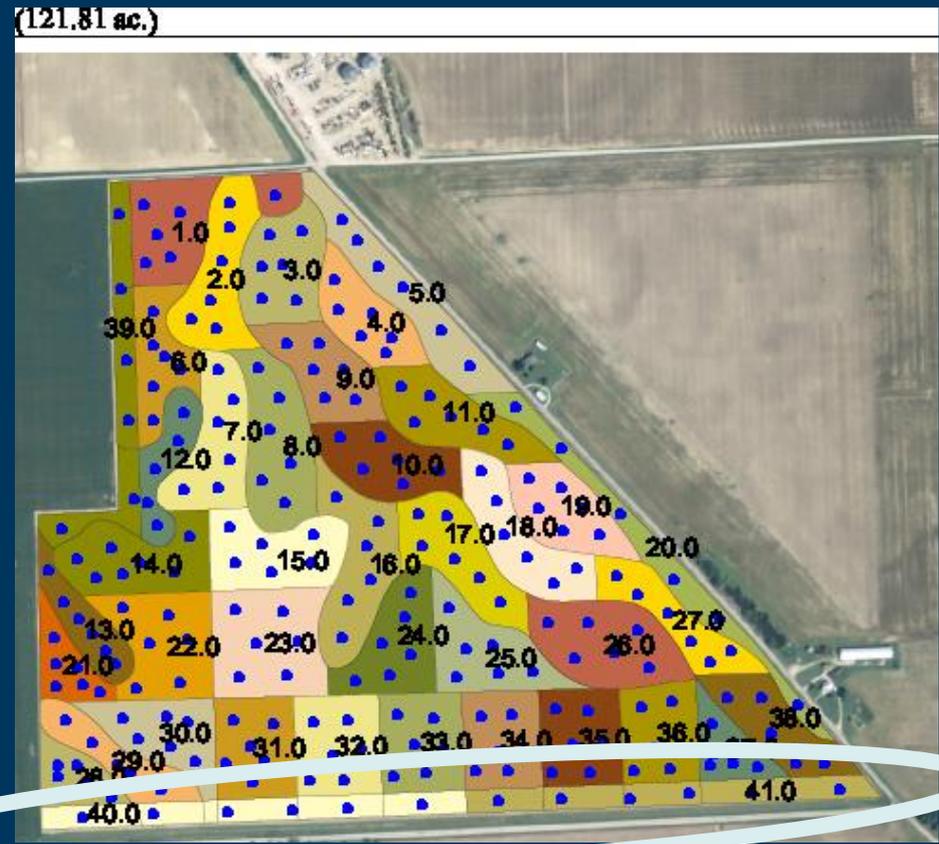
Monitoring and Implementation

1. Records of grower/customers farms, acres and applicable watersheds
2. Records of all recommendations and applications
3. Records of written agreements signed by growers/customers that attest to their support of 4R nutrient stewardship



Nutrient Recommendations

1. GIS Field mapping
2. Cropping History
3. Soil Tests – 4 year minimum interval
4. Nutrient Management Recommendations – all sources





Nutrient Application

1. Variable rate technology
2. Supplies records to grower/customer
3. Annual calibration of equipment

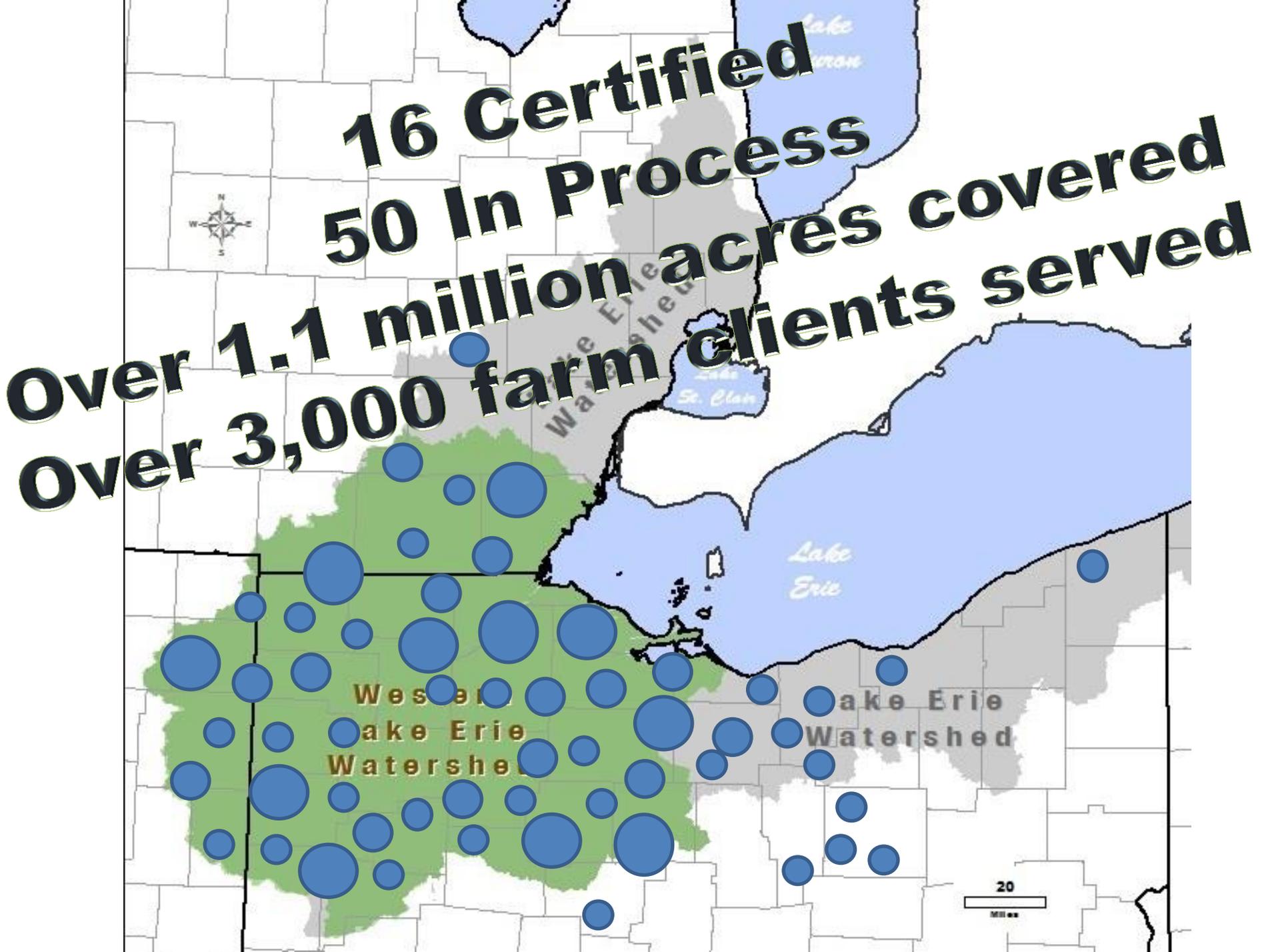




Nutrient Application

4. Does not recommend or apply if 50% chance of rainfall event involving an inch or more of rain beginning in next 12 hours
5. Does not apply to frozen or snow-covered ground
6. Follows minimum setbacks from sensitive areas





16 Certified
50 In Process

Over 1.1 million acres covered
Over 3,000 farm clients served

Western
Lake Erie
Watershed

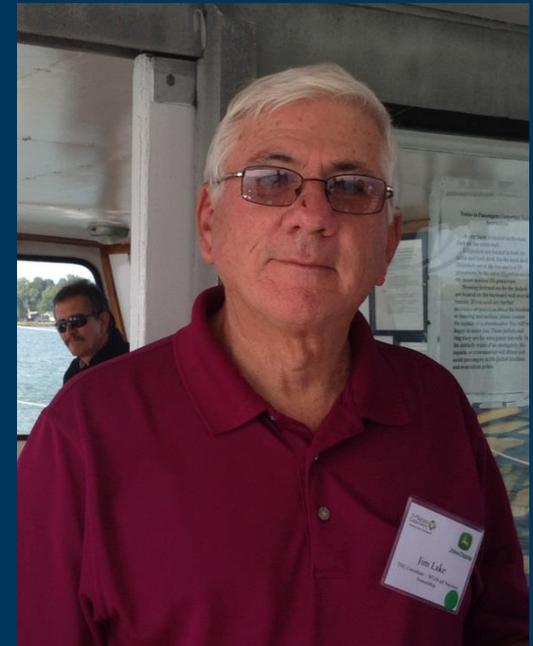
Lake Erie
Watershed

20
Miles



Take Action - Process

- Call Andrew Allman – OABA
- Pre-Audit visit – Jim Lake
- Audit
- Corrective Action Plan
- 4R Certified



Triple Bottom Line 5-year Evaluation



United States Department of Agriculture
Agricultural Research Service



\$1.25 Million

Who has funded the development of the 4R Certification Program?



TheJoyceFoundation

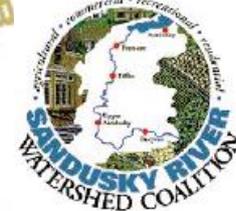




Continual Review of the Standard

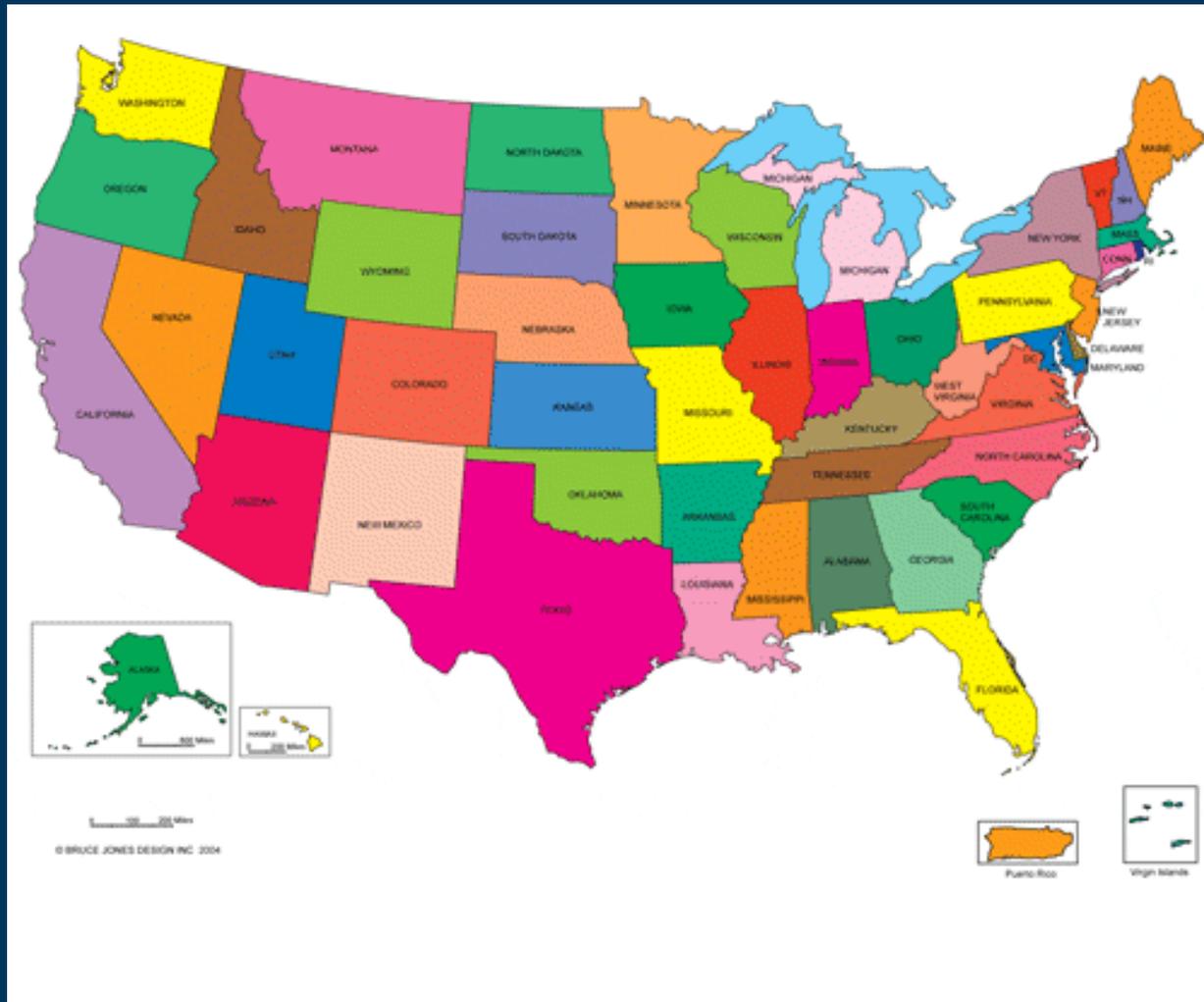


Corn Marketing Program of Michigan
Michigan Corn Growers Association





Program Expansion



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www.4Rcertified.org

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