

House Ag Appropriations Subcommittee
Michigan Agriculture Environmental Assurance Program
Agriculture & Rural Development
February 25, 2014



MAEAP History

- **1998** – Industry vision
- **December 7, 2000** – First Partnership Agreement Signed
- **2002** -First Livestock Verification
- **2003** -First Farmstead Verification
- **2005** -First Cropping Verification
- **March 2011**- MAEAP Legislation



MAEAP Mission

To develop and implement a proactive environmental assurance program that targets all size Michigan farms and all commodities, ensuring that farmers are engaging in cost effective pollution prevention practices and working to comply with state and federal environmental regulations.



Partners and Supporters



How Does MAEAP Work?



Education



On Farm
Risk
Assessment



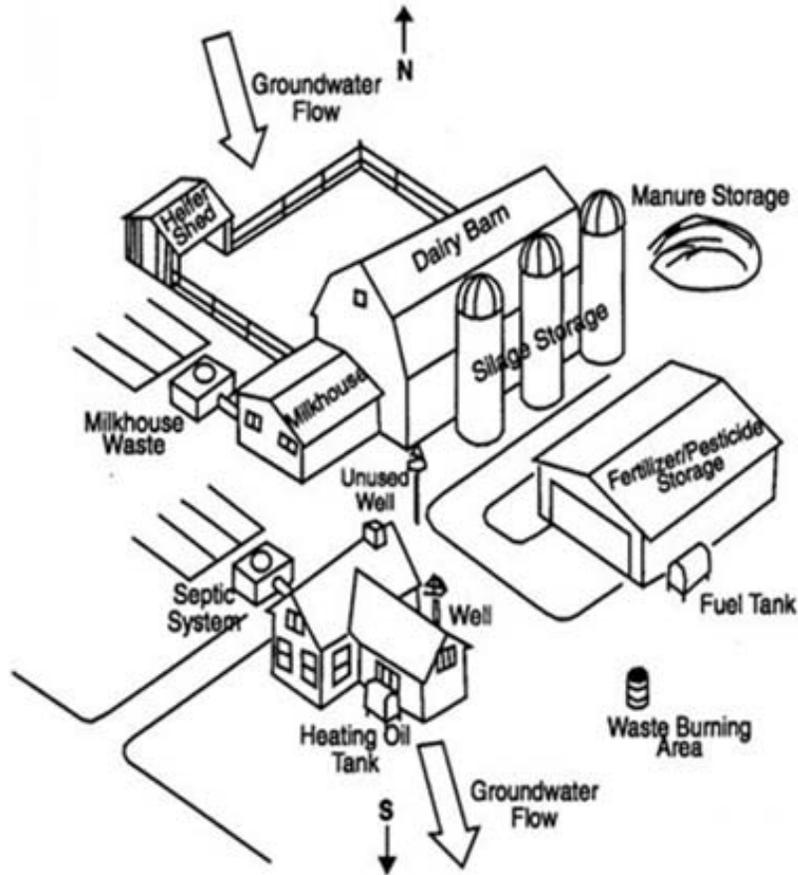
Third Party
Verification



MAEAP
Verified



What Does MAEAP Do?



ASysts & Emergency Tube



MAEAP – A National Model

Partners – National Exposure

NASCA – MAEAP Template

NACD – National Focus in National Webinar

USEPA Region VIII –

State AgDirector's



Why Do Farmers Participate?

Environmental Concern

Legislated Incentives

Liabilities/Ins \$ Reduction

Follow State & Federal laws

Improved Management

RUP Credits

Conformance with RTF GAAMPs

Peace of mind/Right Thing to do

Ahead of Curve

Good Neighbor

GAP Audit Assistance

Marketing Opportunity

Learn & Improve

Access to Cost Share & Incentive Payments



What Does MAEAP Address?

MAEAP Facts

Phosphorus & Nitrogen reduced on MAEAP farms could have grown enough algae to cover over 3/4 of Houghton Lake at approx. 1/4 " in depth. (Houghton Lake is Michigan's largest inland lake.)



Pesticide & Fertilizer Storage and Use

Fuel Storage

Well Safety

Soil & Wind Erosion & Sensitive Areas

Water Resources

All Related RTF GAAMP's & Environmental Laws

And more...



Environmental Gains

Currently over 10,000 farms participating with nearly 2,000 verifications.

Sediment delivery reduced – over 347,000 tons in 2013 or 30,900 – 10 yard dump trucks.

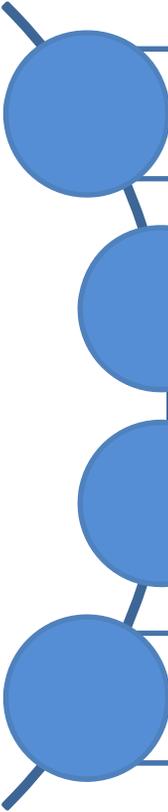
Verified nutrient management plans in place on over half a million acres of Michigan farmland.

Phosphorus delivery to surface water reduced over 592,000# in 2013, enough to grow 148,049 tons of algae.

Nitrogen delivery to surface and ground water reduced over 1,353,000# in 2013, enough to grow 48,049 tons of algae.



MAEAP Stewardship Practices



Almost 729,000 acres receiving pesticides have approved pest management plans.

Almost 13,100 acres of filter strips have been installed.

Almost 2,300 gullies have been stabilized, improving water quality.

Annually, over \$1.2 million is spent for practice implementation by farmers working toward MAEAP verification.



PA 1 & 2, 2011

MAEAP codified in law

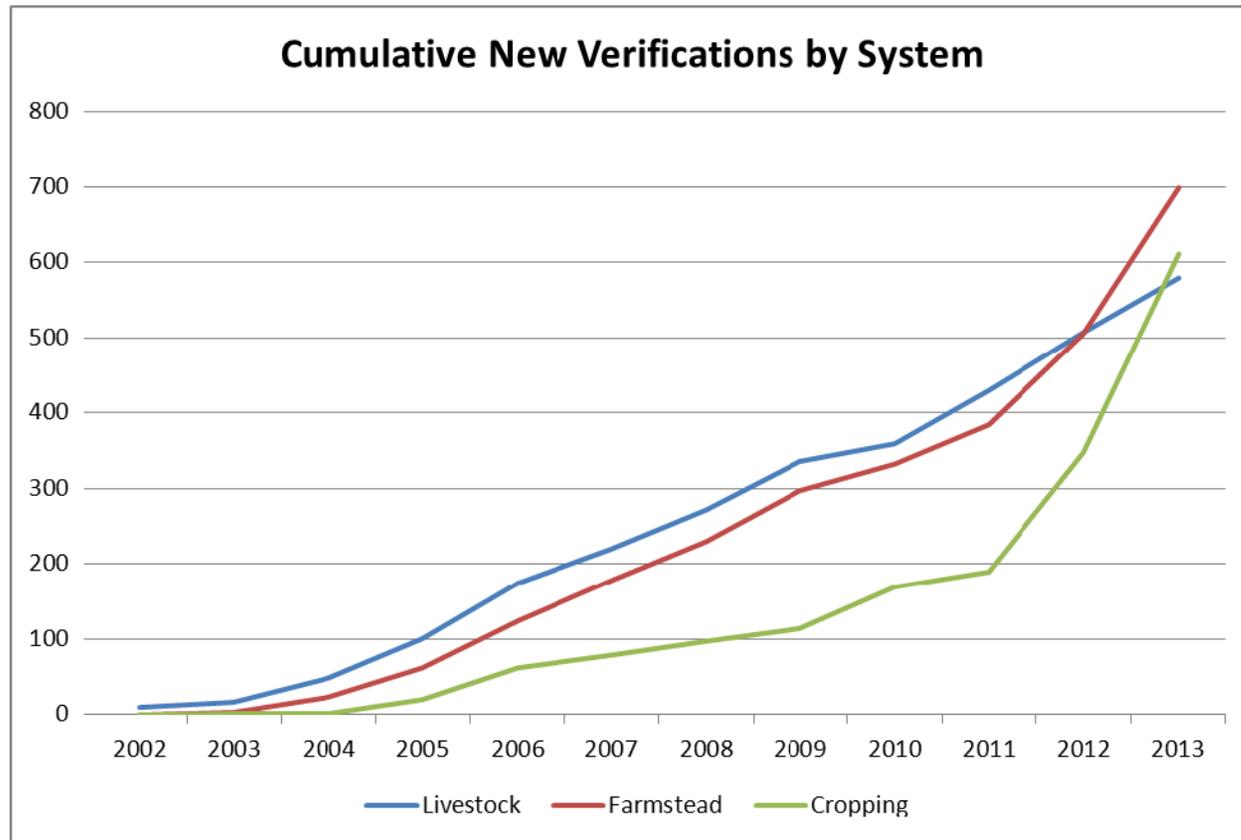
- Standards, Advisory Council, Ag Commission Role, Regional Assurance Teams, MOU with MDEQ & more.

Incentives in law

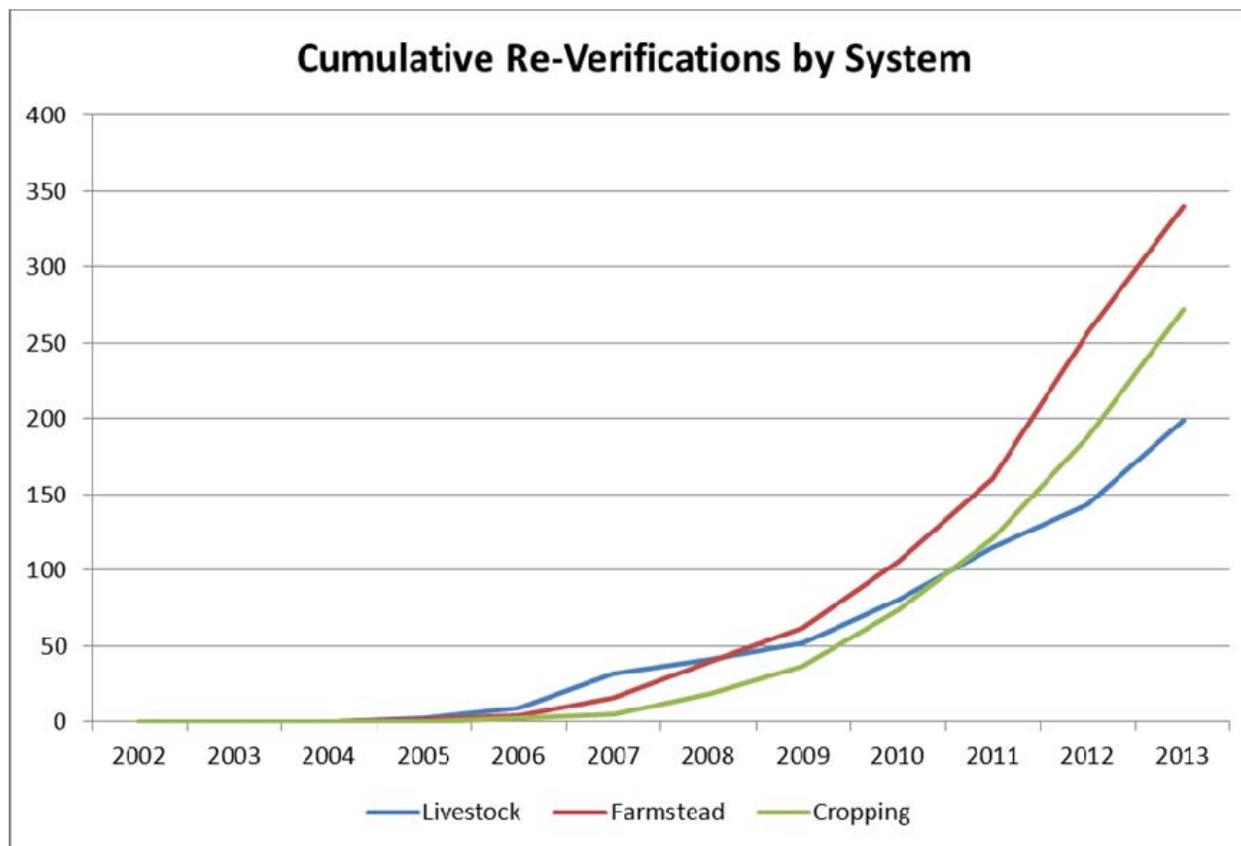
- Accidental discharge – No fines & penalties. (responsibility for notification/resource damage).
- TMDL- Farms verified in all applicable systems considered as meeting all required practices.
- Verified farms following standards & receiving defined rainfall with discharge considered nonpoint source discharge. Corrective action to avoid future discharge.



New Verification Growth



Re-Verification Growth



FY2014 MAEAP REVENUE

\$5.7 Million

\$4.4 Million Groundwater/Freshwater Fund

\$1.3 Million General Fund



FY2014 MAEAP Spending

\$2.4 M – MDARD (17 FTEs)

\$3.3 M - Grants to Conservation Districts
(55 local FTEs- CTAI, SWAT, MAEAP)

\$1.7 M – Leveraged Funds to Conservation
Districts (8.5 FTEs plus cost share)

Of the \$5 M to Conservation Districts \$633,500 is
allocated for general Conservation District costs



Michigan Farmers are Proud to be MAEAP Verified!



Questions?



Visit us on
Facebook

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www.maeap.org

www.michigan.gov/maeap



Why MAEAP Model in WLEB?

- Strategic
- Innovative
- Collaborative
- Leverages Funds & Resources



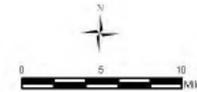
- WLEB partnerships through MAEAP
- Farmers
 - Industry Groups
 - Conservation Districts
 - Agencies
 - Universities



Western Lake Erie Priority Area

Joint Project With NRCS-OH
Great Lakes Restoration Initiative
EQIP Non-Point Source

LOCATION



Leveraging Funds & Resources



Benefits and Impacts

- More collaboration
- More opportunities for funding
- WLEB water quality Impact
- More benefits for the Future

FY 11-13 Impacts for 43 MAEAP Verifications in WLEB

Sediment reduction = 38,503 tons

Phosphorus reduce = 63,479 lbs
enough to grow 31.7 M lbs algae

Nitrogen reduction = 141,043 lbs
enough to grow 10.0 M lbs algae

