

Agricultural Advisory Committee

Report

1st Meeting of the Agricultural Advisory Committee
January 16, 2019
Committee Room #4

Attendance PRESENT: L. McKenna (Acting Chair), H. Fletcher, L. Hollingsworth and S. Twynstra and J. Bunn (Secretary)

ABSENT: S. Franke and A. Lawrence

ALSO PRESENT: L. Mottram

The meeting was called to order at 7:00 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

1.2 Election of Chair and Vice Chair for the term ending June 1, 2019

That the existing appointments of the Chair and Vice Chair for the Agricultural Advisory Committee BE EXTENDED to June 1, 2019, to coincide with the end of the current term.

2. Scheduled Items

2.1 Medway Creek and the Clean Water Program

That it BE NOTED that the attached presentation from B. Glasman and M. Funk, Upper Thames River Conservation Authority, with respect to Medway Creek and the Clean Water Program, was received.

3. Consent

3.1 3rd Report of the Agricultural Advisory Committee

That it BE NOTED that the 3rd Report of the Agricultural Advisory Committee, from its meeting held on June 20, 2018, was received.

3.2 Municipal Council Resolution - Recruitment and Appointment of Advisory Committee Members for the Up-Coming Term

That it BE NOTED that the Municipal Council resolution, from its meeting held on November 20, 2018, with respect to the recruitment and appointment of Advisory Committee members for the up-coming term, was received.

3.3 Notice of Planning Application Zoning By-law Amendment - 3900 Scotland Drive and Other Properties

That the Notice of Planning Application, dated December 19, 2018, from C. Lowery, Planner II, with respect to a zoning by-law amendment for the property located at 3900 Scotland Drive, was received; it being noted that the Agricultural Advisory Committee supports the application moving forward.

3.4 Notice of Revised Planning Application - 2156 Highbury Avenue North

That it BE NOTED that the Notice of Revised Planning Application, dated November 28, 2018, from C. Lowery, Planner II, with respect to Official Plan and Zoning By-law Amendments for the property located at 2156 Highbury Avenue North, was received.

3.5 ReThink Zoning Draft Terms of Reference

That it BE NOTED that the Memo dated October 31, 2018, from J. Adema, Planner II, with respect to the ReThink Zoning Draft Terms of Reference, was received.

3.6 Ecological Farmers of Ontario Conference Returns to London

That it BE NOTED that the Media Release from the Ecological Farmers Association of Ontario with respect to the Ecological Farmers of Ontario Conference returning to London, was received.

3.7 Thames Centre 2018 Water and Wastewater Master Plan Update - Notice of Commencement

That it BE NOTED that the communication dated December 7, 2018, from C. Reyes, Municipality of Thames Centre and J. Bell, GM BluePlan Engineering Limited, with respect to the Thames Centre 2018 Water and Wastewater Master Plan Update Notice of Commencement, was received.

4. Sub-Committees and Working Groups

None.

5. Items for Discussion

None.

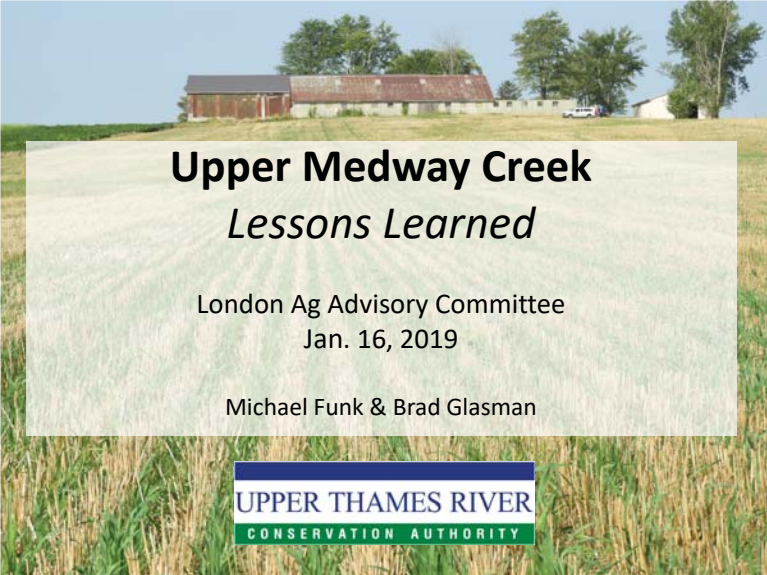
6. Deferred Matters/Additional Business

6.1 (ADDED) Letter of Resignation – M. McAlpine

That it BE NOTED that the letter of resignation from the Agricultural Advisory Committee, dated January 14, 2019, from M. McAlpine, was received.

7. Adjournment

The meeting adjourned at 8:20 PM.

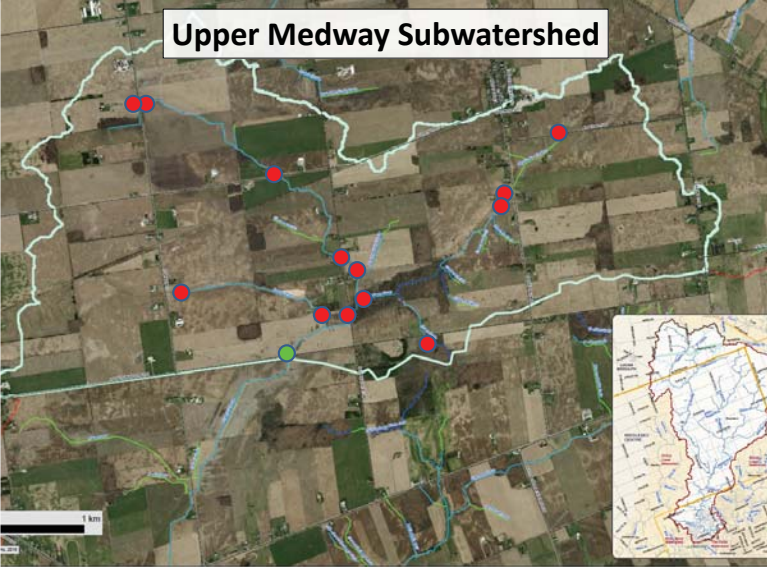
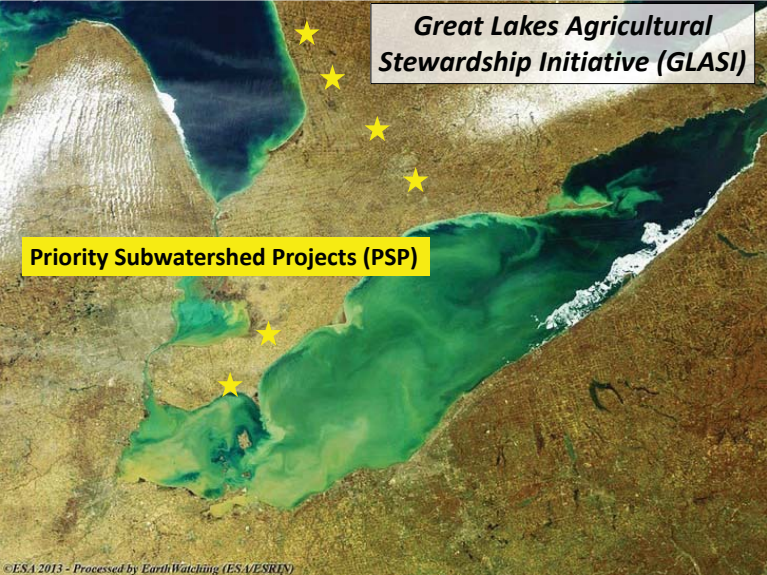


Upper Medway Creek
Lessons Learned

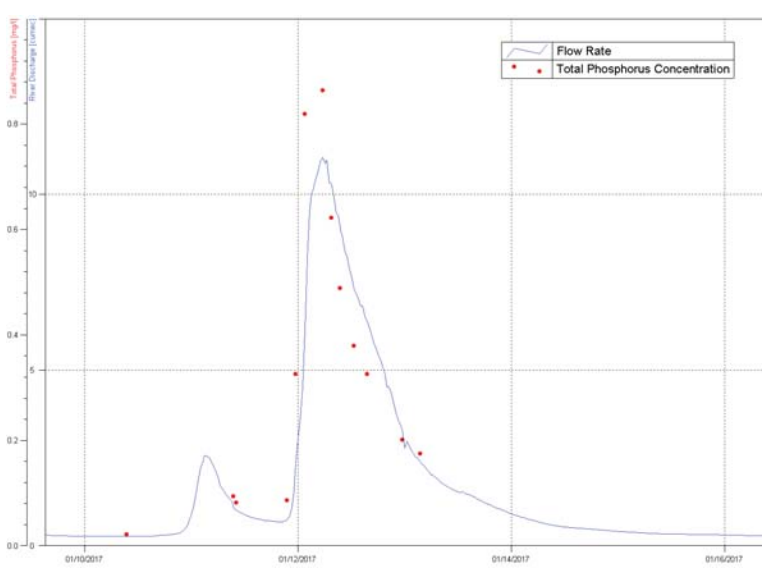
London Ag Advisory Committee
Jan. 16, 2019

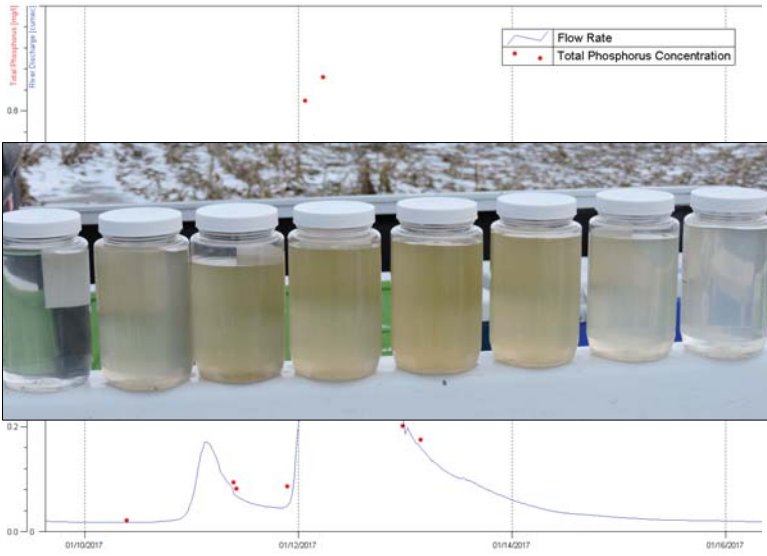
Michael Funk & Brad Glasman

UPPER THAMES RIVER
CONSERVATION AUTHORITY

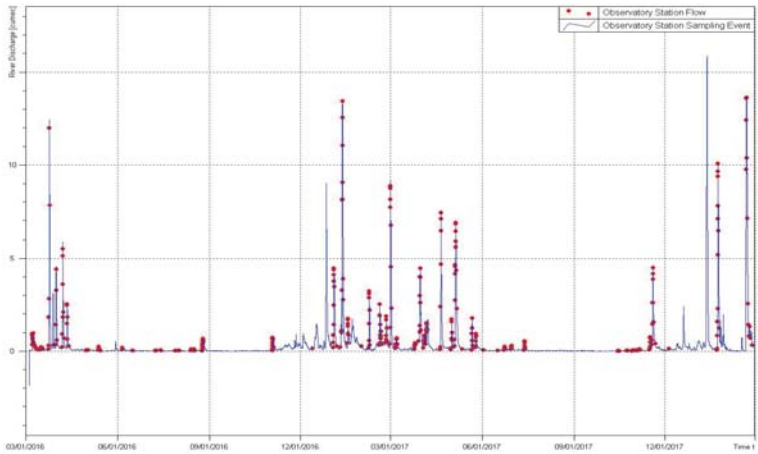


TECHNICAL ASSISTANCE	FUNDING	MONITORING
		

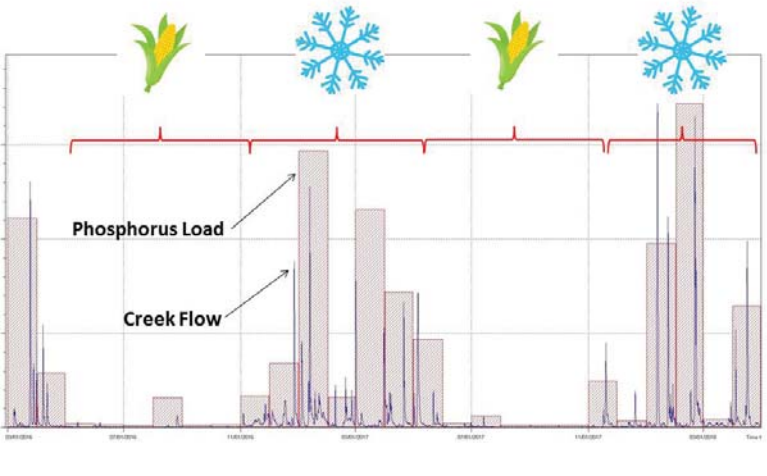




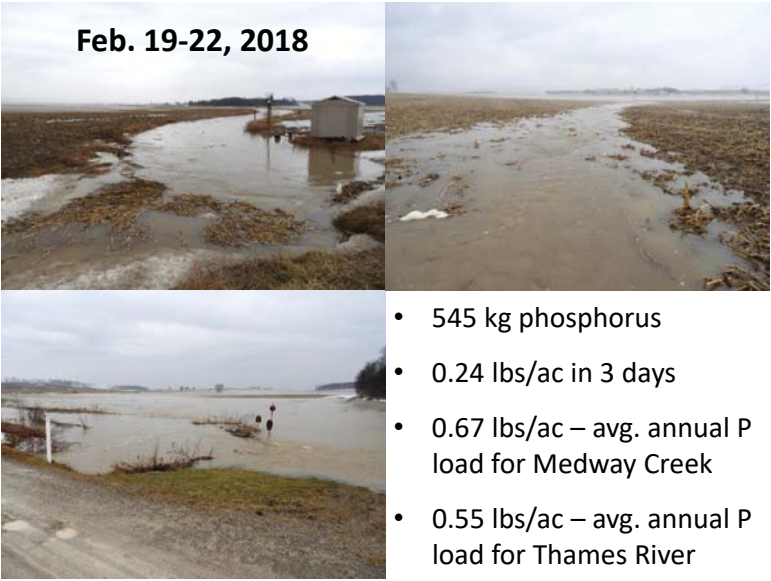
High-Frequency Sampling



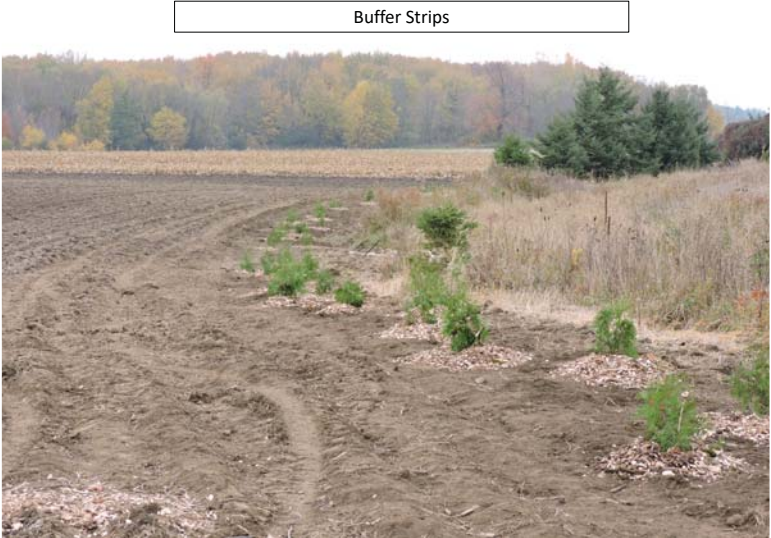
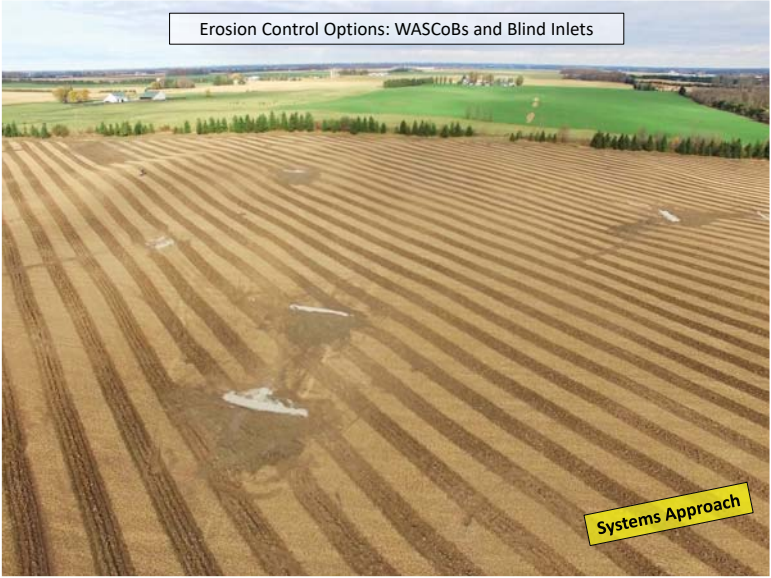
Non-Growing Season is Crucial



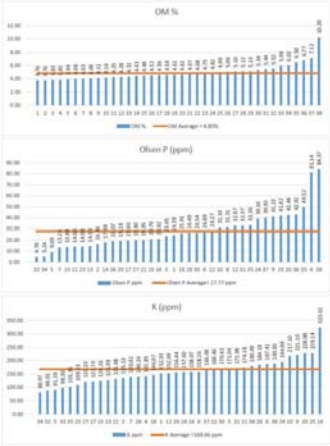
Feb. 19-22, 2018



- 545 kg phosphorus
- 0.24 lbs/ac in 3 days
- 0.67 lbs/ac – avg. annual P load for Medway Creek
- 0.55 lbs/ac – avg. annual P load for Thames River

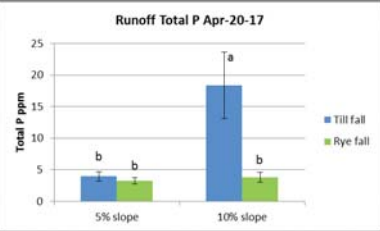


Soils and Land Management Data

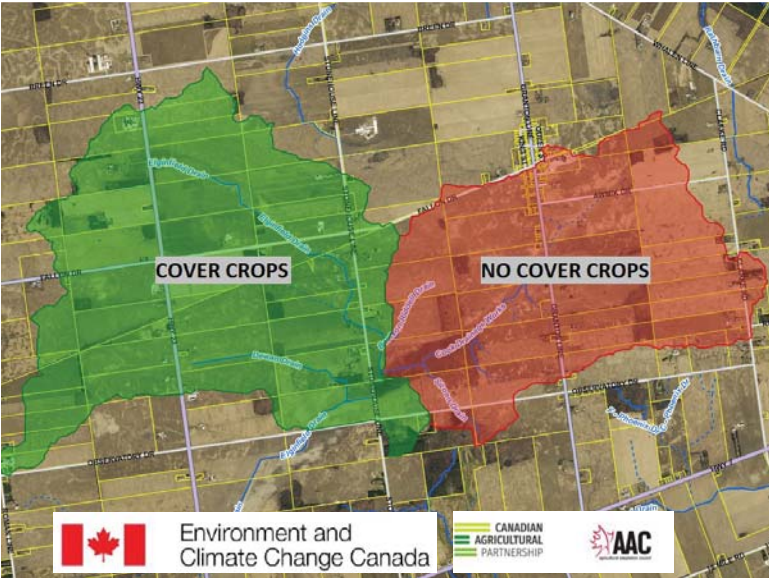


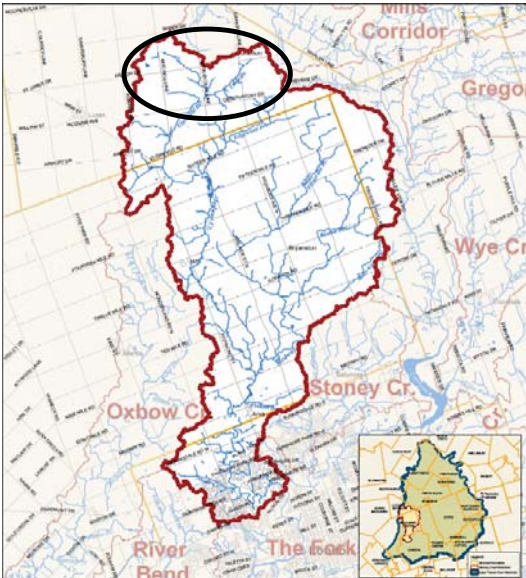
Field #:	Year				
	2012	2013	2014	2015	2016
Crop	Soybeans	Wheat	Corn	Winter Wheat	Soybeans
Cover Crop	None	None	None	None	None
Primary Tillage (after 1st crop)	No Till	No Till	Till	No Till	No Till
Date of Primary Tillage	N/A	N/A	10/2/2013	N/A	N/A
Secondary Tillage	N/A	N/A	C/S	N/A	N/A
Date of Secondary Tillage	N/A	N/A	4/25/2014	N/A	N/A
Tillage Practice (Soybeans vs. Corn Slope)	Upland	Upland	Upland	Upland	Upland
Planting Date	5/15/2012	10/1/2012	5/2/2014	6/2/2015	5/15/2016
Residue after Planting (%)	50-55%	45%	10-25%	10-25%	45%
Phosphorus (P ₂ O ₅) addition (lb/acre)	0	64	116	52	0
Method of Application	N/A	Broadcast	Broadcast	Broadcast	N/A
Timing	N/A	Fall	Fall/Spring	Spring	N/A
Potassium (K ₂ O) addition (lb/acre)	0	32	92	0	0
Method of Application	N/A	Broadcast	Broadcast	N/A	N/A
Timing	N/A	Fall	Fall/Spring	N/A	N/A
Nitrogen addition (lb/acre)	0	135	190	11	0
Method of Application	N/A	Broadcast	Broadcast	Broadcast	N/A
Timing	N/A	Spring	Spring	Spring	N/A
Harvest Date	10/1/2012	8/1/2013	10/24/2014	9/15/2015	10/3/2016
Yield (bushels)	50	90	170	40	50
Notes:	200 Bushels of 8 to 10 bushels per acre. No fertilizer applied in 2012.				

Cover Crop Plots



TP concentrations reduced up to 80% with cover crops!





Medway Watershed

Questions?

Michael Funk
519-451-2800 ext. 305
funkm@thamesriver.on.ca
@UTRCAsoilwater

UPPER THAMES RIVER
CONSERVATION AUTHORITY

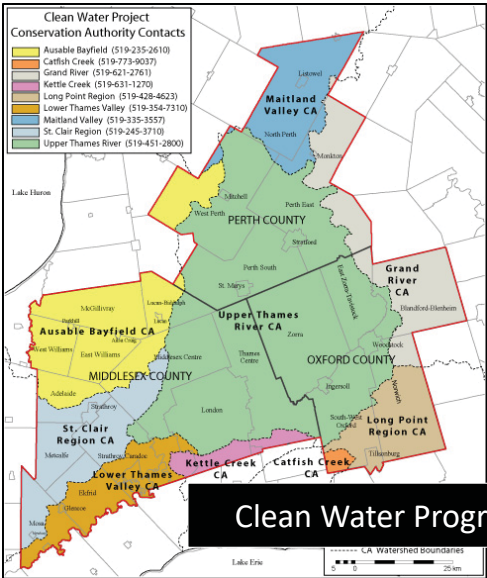
CLEAN WATER PROGRAM

Counties of Oxford, Middlesex, Perth, City of London, Stratford, St. Marys

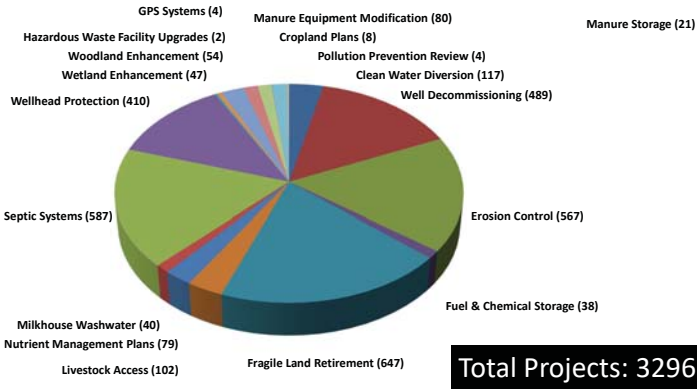
Delivered by local Conservation Authorities

What is the Clean Water Program?

- A ***technical*** and ***financial*** assistance program to improve and protect water quality
- A ***research*** and ***demonstration*** component to help develop and share new practices and solutions for surface water and groundwater quality issues
- A ***marketing*** and ***education*** component to ensure knowledge is passed along to landowners, municipalities and the media in an effective and understandable way



CWP Achievements



Wetland Restoration



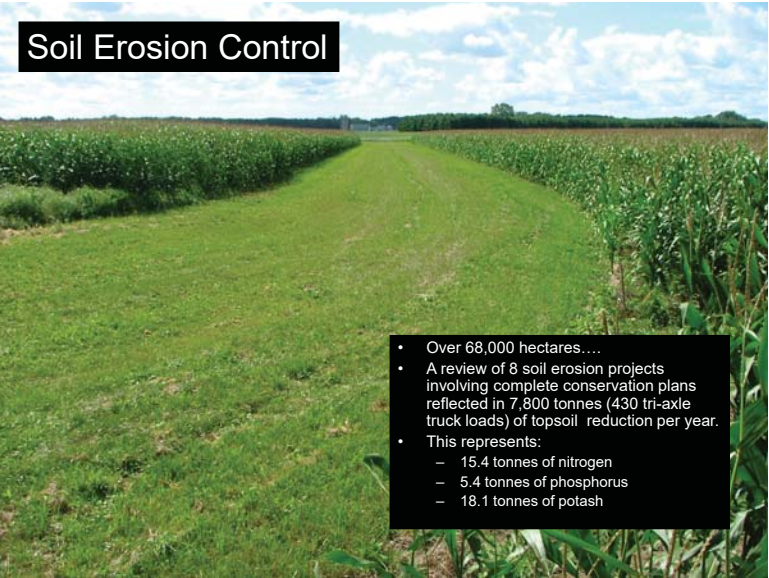
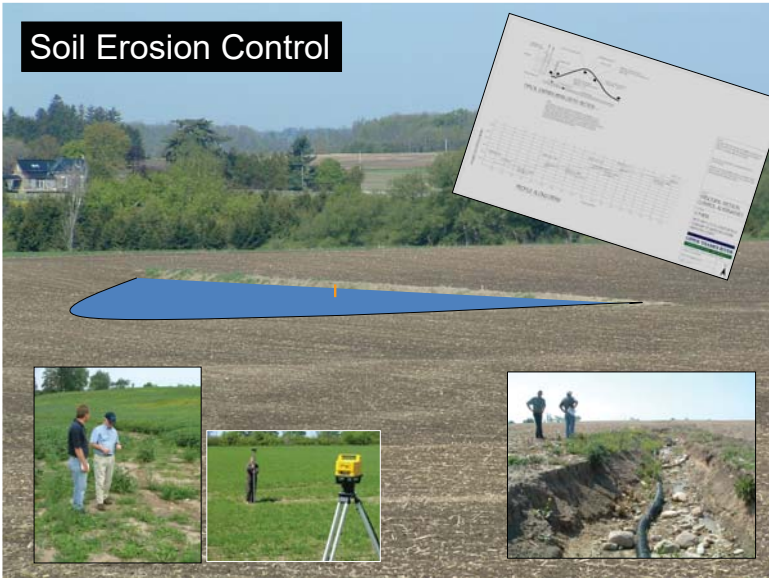
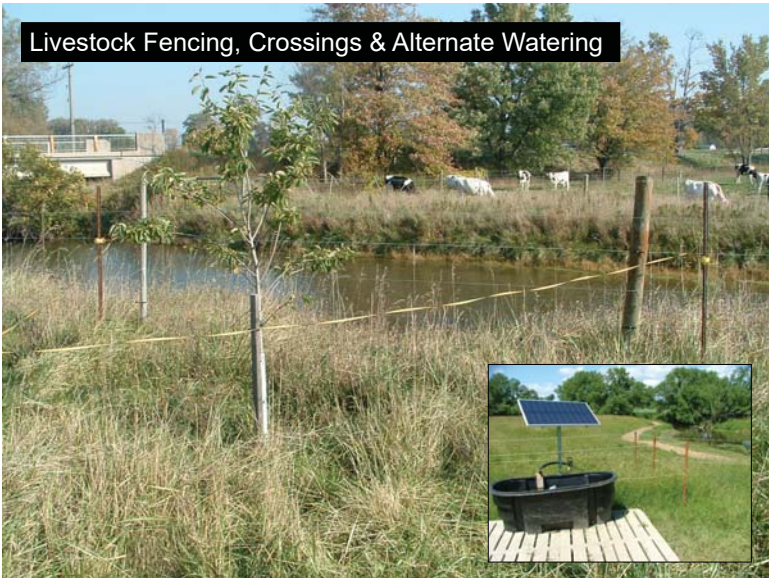
Septic Systems

Well Decommissioning : Prevent Groundwater Contamination



Wellhead Protection





- Over 68,000 hectares....
- A review of 8 soil erosion projects involving complete conservation plans reflected in 7,800 tonnes (430 tri-axle truck loads) of topsoil reduction per year.
- This represents:
 - 15.4 tonnes of nitrogen
 - 5.4 tonnes of phosphorus
 - 18.1 tonnes of potash



Research & Demonstration

- Controlled drainage
- Saturated buffers
- Nutrient filters
 - Red sand
 - Slag
 - Woodchips
 - Chitosan
- Bunker silo runoff
- Low Impact Development
- Constructed wetlands
- Vegetated filter strips
- Surface inlets
- Stream restoration
- Butternut Archive
- Cover crops
- Dam & barrier removal
- Truck washwater treatment
- On-farm stormwater management



Getting the Information Out

- Tours
- Media
- Videos
- Twitter
- Youtube
- Presentations
- Demonstrations
- Tailgate meetings
- Workshops



Getting the Information Out - www.thamesriver.on.ca



Veldman Family
Erosion Control Structures

"Doing this video, it's about educating the consumer that there are farmers on the farm looking after the stewardship of the land, and that it is a resource that we need to be responsible for."

Local Landowners tell Conservation Stories
Upper Thames River Conservation Authority (UTRCA) staff met with local landowners over the winter months to gather stories and advice about soil and water conservation techniques