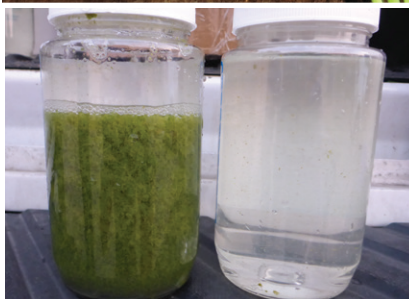


Nutrient Reduction Project Catalogue 2018

Compiled by the Upper Thames River Conservation Authority
Funded by Environment & Climate Change Canada



The *Nutrient Reduction Project Catalogue 2018* is a comprehensive inventory of programs and projects currently underway across the western portion of the Canadian Lake Erie Watershed, that are aimed at reducing phosphorus loads entering Lake Erie. The catalogue provides a mechanism to track and share information about projects that have been or are being implemented in the watershed. The catalogue will also be used as a tool to ensure that the best practices required to achieve phosphorus load reductions are in place and to help identify opportunities for collaboration.

The catalogue supports the actions under the Canada-Ontario Lake Erie Domestic Action Plan for reducing phosphorus loadings to Lake Erie with the goal of decreasing the presence of harmful and nuisance algal blooms as well as zones of low oxygen (hypoxia) that threaten both the ecosystem and human health.

The catalogue is available on-line at www.thamesriver.on.ca/nutrient-project-catalogue/

Compiled by the Upper Thames River Conservation Authority. Thank you to Augusta Lipscombe, Communications Research Assistant, for coordinating this project.

Funded by Environment & Climate Change Canada.

The logo for the Upper Thames River Conservation Authority features a dark blue horizontal bar at the top. Below it, the words "UPPER THAMES RIVER" are written in a blue, serif, all-caps font. Underneath that, the words "CONSERVATION AUTHORITY" are written in a white, sans-serif, all-caps font on a green rectangular background.

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Table of Contents

Table of Contents	i
List of Acronyms	vi
Section 1: Research & Monitoring	1
1.1 Agriculture and Agri-Food Canada.....	3
1.1.1 Identifying the capacity to improve soil and nutrient management in agricultural production systems of the Canadian Lake Erie basin	3
1.1.2 Improve and integrate soil information to support the Domestic Action Plan for the Lake Erie Basin	5
1.1.3 Indicator of risk of water contamination by phosphorus (IROWC-P)	7
1.1.4 Integrated nutrient management and multi-scale BMP assessment for priority Canadian agricultural landscapes.....	9
1.1.5 Mitigating nutrient losses through tile drainage by developing and transferring AAFC's research in controlled drainage	11
1.1.6 Mitigating phosphorus loss from agricultural lands in the Lake Erie watershed.....	13
1.1.7 Use of cover crops to reduce agricultural pollution of the Great Lakes and improve field-crop productivity	15
1.2 City of London	17
1.2.1 Enhanced wastewater treatment.....	17
1.2.2 Surface water quality monitoring	18
1.3 Environment and Climate Change Canada	20
1.3.1 Investigating drivers of harmful algal/cyanobacterial blooms in Lake Erie and Lake St Clair.....	20
1.3.2 Exchange of nutrients between groundwater & surface water in the Thames River watershed ..	21
1.3.3 Great Lakes Nutrient Initiative: Nutrient enrichment studies on small tributaries.....	22
1.3.4 Integrated modelling of the Thames River, Sydenham River and Lake St. Clair.....	24
1.3.5 Metagenomics profiling and microbial source tracking to characterize microbial communities and identify sources of microorganisms and nutrients in the Thames River to Lake St. Clair to Lake Erie corridor	25
1.4 Essex Region Conservation Authority	26
1.4.1 In-depth understanding of phosphorus losses under true no-till and current typical tillage practices	26
1.4.2 Kingsville Leamington Nutrient Project.....	27
1.4.3 Wigle Creek GLASI Priority Subwatershed Project.....	28
1.5 Great Lakes Commission.....	29
1.5.1 ErieStat	29
1.6 Lower Thames Valley Conservation Authority	30
1.6.1 Agricultural Subsurface Phosphorus Treatment Tank Project	30
1.6.2 Baseline agricultural nutrient loading data collection	31
1.6.3 Gap analysis and pump station monitoring	32
1.6.4 GLASI Priority Subwatershed Project: Jeannettes Creek Phosphorus Reduction and Monitoring Program.....	33
1.6.5 Rondeau Bay Wetland Monitoring Project	35

1.6.6	Verifying the efficacy of cover crops and no-till BMPs at reducing agriculturally sourced phosphorus loads	36
1.7	Ministry of the Environment and Climate Change	37
1.7.1	Designing an urban stream monitoring network to estimate phosphorus loads from non-point sources.....	37
1.7.2	Great Lakes Nearshore Monitoring and Assessment Program.....	38
1.7.3	Lake St. Clair/Thames River Water Quality and HAB Assessment	40
1.7.4	Multi-Watershed Nutrient Study	41
1.7.5	Provincial Water Quality Monitoring Network (PWQMN).....	42
1.8	Ministry of the Environment and Climate Change; Environment and Climate Change Canada.....	43
1.8.1	Lake St. Clair Canadian Coordination Council Management Plan.....	43
1.9	Ontario Ministry of Agriculture, Food and Rural Affairs.....	44
1.9.1	Adapting SoilCalculator for use in Ontario.....	44
1.9.2	Chemical characterization of sediment legacy P in Grand River watershed streams: Implications for phosphorus loading under land management	45
1.9.3	Digestate and Lystek application management to maximize 4-R strategies	46
1.9.4	Evaluation of phosphorus release rate from anaerobic digestate for crop land application in Ontario.....	47
1.9.5	Farmland phosphorus beneficial management practices on clay soils	48
1.9.6	Great Lakes Agricultural Stewardship Initiative Priority Subwatershed Project.....	49
1.9.7	Imagery and the non-growing season: What does it tell us about soil management?	50
1.9.8	Improving phosphorus management and soil health in field tomatoes.....	51
1.9.9	Monitoring constructed wetlands for phosphorus mitigation	52
1.9.10	Tile flow: A best management practice systems approach	53
1.9.11	Demonstrate the use of turbidity monitoring for total phosphorus in agricultural watersheds during run-off/storm events and their use to trigger mitigation activities	54
1.10	Ryerson University	56
1.10.1	Agri-Model: Integrating land management surveys and regional watershed modelling.....	56
1.11	St. Clair Region Conservation Authority	58
1.11.1	St. Clair River Area of Concern Program	58
1.12	Thames River Phosphorus Reduction Collaborative.....	60
1.12.1	Thames River Phosphorus Reduction Collaborative	60
1.13	University of Guelph	61
1.13.1	Digital soil mapping of Lake Erie basin	61
1.13.2	Evaluation of alternative best management practices in critical contributing areas in agricultural landscapes of Ontario under changing climate.....	62
1.13.3	Extending WEBs/WBBE modelling and interface to examine cost effectiveness of agricultural BMP policies in a representative watershed of the Lake Erie basin.....	63
1.13.4	Management of phosphorus loads on a field to watershed basis: An assessment of current practices as an integrated system.....	64
1.13.5	SWAT modelling and assessment of agricultural BMPs in the Upper Medway watershed	65
1.14	University of Michigan Water Centre	66
1.14.1	Watershed assessment of nutrient loads to the Detroit River	66

1.15	University of Toronto	68
1.15.1	Wet Lands	68
1.16	University of Waterloo.....	69
1.16.1	Developing new modules for the Cold Regions Hydrologic Model platform for the simulation of phosphorus transport at farm and watershed scales under different BMPs, soil types, climate conditions and tile drain settings	69
1.16.2	Dairy manure management to mitigate phosphorus loss	70
1.16.3	The role of discourse in environmental governance: The case of nutrient runoffs in western Lake Erie basin	71
1.16.4	Linking fertilizer placement and subsurface flowpaths in no-till soils under different antecedent temperature and moisture conditions	72
1.16.5	Freeze thaw cycles affecting supply and transport of phosphorus in agricultural soils.....	73
1.16.6	The use of geotextiles as a filter for phosphorus in overland flow from agricultural croplands in southern Ontario	74
1.16.7	Landscape sensitivity to phosphorus losses from agricultural soils in the Lake Erie watershed....	75
1.16.8	Phosphorus speciation, bioavailability and loadings from the Thames River to Lake St. Clair	77
1.16.9	Soil water assessment tool modelling with climate change scenarios to determine the impact on nutrient and sediment losses and controlled tile drain feasibility assessment.....	78
1.17	University of Western Ontario & Canadian Rivers Institute.....	80
1.17.1	Identifying effects of nutrient enrichment on stream productivity through artificial stream experiments.....	80
1.18	University of Windsor	81
1.18.1	Combination of a red sand bed and chitosan biofilter for reducing phosphate in manure-generated wastewater	81
1.18.2	Microbial influences on nutrient flux from agricultural conduits feeding the Great Lakes.....	82
1.19	Upper Thames River Conservation Authority.....	84
1.19.1	Controlled drainage.....	84
1.19.2	Phosphorus retention along a restored stream channel	86
1.19.3	Resaturating riparian buffer strips to reduce nutrient losses in tile drainage.....	88
1.19.4	Tertiary wetland for treatment of agricultural runoff	89
1.19.5	Treatment of dairy farm runoff with slag filter	90
1.19.6	Upper Medway Priority Subwatershed Project	92
1.19.7	Water quality assessment in the Thames River watershed – phosphorus loadings.....	94
Section 2: Implementation		1
2.1	City of London	3
2.1.1	Sewer Separation Program.....	3
2.1.2	Sewer System Overflow Reduction / Pollution Prevention Control Plan	5
2.1.3	Stormwater retrofits	7
2.2	Essex Region Conservation Authority.....	8
2.2.1	Clean Water, Green Spaces	8
2.2.2	Lebo Creek wetland restoration.....	9
2.3	Ontario Ministry of Agriculture, Food and Rural Affairs.....	10
2.3.1	Great Lakes Agricultural Stewardship Initiative Farmland Health Check-Up.....	10
2.3.2	Great Lakes Agricultural Stewardship Initiative Farmland Health Incentive Program	11

2.3.3	Nutrient Management Program.....	12
2.4	Ontario Soil and Crop Improvement Association	13
2.4.1	Great Lakes Agricultural Stewardship Initiative	13
2.5	St. Clair Region Conservation Authority	15
2.5.1	Healthy Watersheds Program & Healthy Lake Huron Clean Water Clean Beaches program	15
2.6	Thompsons Limited.....	17
2.6.1	Thompsons FarmPro	17
2.7	Upper Thames River Conservation Authority.....	19
2.7.1	Clean Water Program	19
2.7.2	Low impact development in the upper Thames River watershed	21
2.7.3	Perth, Oxford and Middlesex Counties Natural Heritage Studies.....	23
2.7.4	Reforestation Program	25
2.7.5	Shared Waters Approach	27
2.7.6	Thames River Clear Water Revival	28
2.7.7	WISKI (Water Information Systems by Kisters) implementation	29
Section 3: Education & Outreach		1
3.1	ALUS Middlesex	3
3.1.1	ALUS Middlesex.....	3
3.2	Canadian Freshwater Alliance	4
3.2.1	Lake Erie Alive.....	4
3.3	City of London.....	6
3.3.1	Low impact development rollout	6
3.4	Farm and Food Care.....	8
3.4.1	Timing Matters Peer-to-Peer Network.....	8
3.5	Fertilizer Canada, Ontario Ministry of Agriculture, Food and Rural Affairs	9
3.5.1	4R Nutrient Stewardship	9
3.6	Ontario Ministry of Agriculture, Food and Rural Affairs.....	11
3.6.1	Agriculture Sector Working Group under the Domestic Action Plan for Lake Erie	11
3.6.2	Assessment and best management practices for floriculture outdoor production in Ontario	12
3.6.3	Guides for evaluating soil health on a site specific basis and soil remediation, Pt. 1.....	13
3.6.4	Guides for evaluating soil health on a site specific basis and soil remediation, Pt. 2.....	13
3.6.5	Ontario cover crops: Outreach and engagement strategy	14
3.6.6	Promoting and implementing agricultural stewardship in Essex & Lower Thames watersheds....	15
3.6.7	Promoting and implementing agricultural stewardship in Lake Huron watersheds	15
3.6.8	Promoting and implementing agricultural stewardship in St. Clair Region (Lake Erie) watersheds	16
3.6.9	Promoting and implementing agricultural stewardship in Upper Thames River watersheds.....	16
3.6.10	Soil Leaders Pilot Program.....	17
3.7	Lower Thames Valley Conservation Authority	18
3.7.1	Land Stewardship Program	18
3.7.2	Targeting Phosphorus Reductions in the Lower Thames Valley Watershed	19

3.8	Rotary Club of Chatham Sunrise	20
3.8.1	Clean Water for Living	20
3.9	Upper Thames River Conservation Authority	22
3.9.1	Antler River Guardians from the 4 Directions	22
3.8.2	Great Lakes Mini Water Festival	24
3.9.3	GREEN Education Program	25
3.9.4	Showcasing Agricultural Best Management Practices	27
3.9.5	Stream of Dreams Program	28
3.9.6	2017 Upper Thames River Watershed Report Cards	30

List of Acronyms

4R	Right source, right rate, right time, right place
AAFC	Agriculture and Agri-Food Canada
ABCA	Ausable Bayfield Conservation Authority
AD	Anaerobic digestate
AEI	Agri-environmental indicators
ALUS	Alternative Land User Services
AOC	Area of Concern
ARGFT4D	Antler River Guardians from the 4 Directions
AWF	Agricultural Water Futures
BMP	Best management practice
BMPVD	Best Management Practices Verification & Demonstration
BUI	Beneficial use impairments
C	Carbon
CA	Conservation Authority
CanSWAT	Canadian Soil and Water Assessment Tool
CCA	Certified Crop Advisor
CFFO	Christian Farmers Federation of Ontario
CNR	Canadian National Railway
COA	Canada-Ontario Agreement
CRIC	Canadian RAP Implementation Committee
CT	Conservation tillage
CVCA	Credit Valley Conservation Authority
CWP	Clean Water Program
DAP	Diammonium phosphate
DRP	Dissolved reactive phosphorus
DUC	Ducks Unlimited Canada
EA	Environmental Assessment
ECA	Environmental Compliance Approval
ECCC	Environment and Climate Change Canada
WHC	Wildlife Habitat Canada
EPA	Environmental Protection Agency
ERCA	Essex Region Conservation Authority
Fe	Iron
FHCU	Farmland Health Check-Up
FHIP	Farmland Health Incentive Program
FO	Forests Ontario
GIS	Geographic Information Systems
GLASI	Great Lakes Agricultural Stewardship Initiative
GLNI	Great Lakes Nutrient Initiative
GNF	Greenhouse Nutrient Feedwater
GRCA	Grand River Conservation Authority
GWF	Global Water Futures
HAB	Harmful algal bloom
IRWOC-P	Indicator of the Risk of Water Contamination by Phosphorus
KCCA	Kettle Creek Conservation Authority
LC	Leaf compost
LCM	Liquid cattle manure
LICO	Land Improvement Contractors of Ontario
LID	Low impact development

LTVCA	Lower Thames Valley Conservation Authority
MCW	Medway Creek Watershed
MNRF	Ministry of Natural Resources and Forestry
MOECC	Ministry of the Environment and Climate Change
MVCA	Maitland Valley Conservation Authority
MWNS	Multi-Watershed Nutrient Study
N	Nitrogen
NASM	Non-agricultural source material
NDCA	Nickel District Conservation Authority
NDMP	National Disaster Mitigation Program
NGO	Non-government organization
NGS	Non-growing season
NMA	Nutrient Management Act
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Science
NSERC	Natural Sciences and Engineering Research Council of Canada
NT	No tillage
OABA	Ontario Agri-Business Association
OFA	Ontario Farmers Association
OMAFRA	Ontario Ministry of Agriculture, Food and Rural Affairs
OPG	Ontario Power Generation
OSCIA	Ontario Soils and Crops Improvement Association
P	Phosphorus
PP	Particulate phosphorus
PPCP	Pollution prevention control plan
PSP	Priority Subwatershed Project
PWQMN	Provincial Water Quality Monitoring Network
RAP	Remedial Action Plan
RSN	Residual soil nitrogen
SCM	Solid cattle manure
SCRCA	St. Clair Region Conservation Authority
SRP	Soluble reactive phosphorus
SWAT	Soil and Water Assessment Tool
TP	Total phosphorus
TRCWR	Thames River Clear Water Revival
TRESS	Thames River Experimental Stream Sciences
TRPRC	Thames River Phosphorus Reduction Collaborative
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UTRCA	Upper Thames River Conservation Authority
WaSCoB	Water and sediment control basin
WatERI	Water Erosion Indicator
WEAO	Water Environment Association of Ontario
WEB	Watershed Evaluation of BMPs
WBBE	Watershed Based BMP Evaluation
WISKI	Water Information Systems by KISTERS
WWTP	Wastewater treatment plant
YOU	Youth Opportunities Unlimited

