



Lake Winnipeg Basin Program

Actions in the Basin

Symposium Objectives

- share information and findings on scientific work in the Lake Winnipeg Basin;
- showcase projects being funded by ECCC that support nutrient reduction efforts in the basin;
- highlight transboundary partnerships that support collaborative efforts in the basin; and
- provide an opportunity for networking and identifying potential collaborative opportunities among individuals and agencies engaged in work addressing nutrients in Lake Winnipeg.

LWBP Grants & Contribution Funding

Funding supports the following three program pillars:

- **Nutrient Reduction**
 - Science
 - Nutrient reduction action
- **Collaborative Governance**
 - Encourage and strengthen collaborative efforts throughout the basin
- **Indigenous Engagement**
 - Enhance opportunities, capacity and the engagement of Indigenous peoples



Nutrient Reducing Actions

- Implementation of beneficial management practices (BMPs) known to be effective in reducing phosphorus loading
 - Development of innovative technologies, techniques and demonstration projects to reduce phosphorus
 - Community-Based Monitoring programs to supplement existing water quality monitoring data
 - Scientific research to identify improved nutrient management practices and effectiveness of BMPs
 - Identifying and applying Traditional Knowledge to address water quality issues within the Lake Winnipeg Basin
 - Training, outreach and/or education to support implementation of nutrient reducing actions
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Collaborative Governance

- Capacity building for regional organizations to improve effectiveness and enhance their ability to address water quality issues within the Lake Winnipeg Basin
 - Facilitate knowledge transfer and sharing of best practices among watershed organizations, non-government organizations (NGO), etc.
 - Development of tools, approaches and activities that strengthen collaboration
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Indigenous Engagement

- Enhance engagement and provide capacity building opportunities for Indigenous governments, organizations and communities affected by Lake Winnipeg water quality
 - Facilitate opportunities for Indigenous and non-Indigenous leaders and organizations to build relationships and work collaboratively on identifying common priorities and partnerships related to water quality
 - Increase Indigenous representation on boards, committees and organizations to foster relationship building and identify opportunities to collaborate on nutrient management issues
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Grants & Contribution Funding (\$9.2 M)

- Directed Projects (over 5 years) - \$1.2 M
 - Lake Winnipeg Research Consortium (\$950 K)
 - CanWIN – Canadian Watershed Information Network (\$250 K)
 - Application-based Funding - \$8.0 M
 - **What is new?**
 - More strategic and targeted approach to implementing nutrient reducing actions within the basin
 - Priority is given to projects:
 - Located within watersheds/sub-basins known to be a significant source of nutrient loading
 - Implemented in nutrient hot spots or in areas directly contributing runoff to surface water bodies
 - That implement BMPs known to reduce phosphorus loading
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Grants & Contribution Funding (\$9.2 M)

- 2018/2019 Call for Proposals
 - 23 projects approved (\$3.8 M)
 - Nutrient Reducing Actions (11 projects)
 - Collaborative Governance (5 projects)
 - Indigenous Engagement (7 projects)

<https://www.canada.ca/en/environment-climate-change/services/water-overview/comprehensive-approach-clean/lake-winnipeg/basin-stewardship-fund/funded-projects-2018-2019.html>

- 2019/2020 Call for Proposals
 - Online System - Grants and Contributions Enterprise Management System (GCEMS)
 - 44 Proposals received
- Future Proposal Calls



Questions?

Annex – 2018/2019 G&C Projects

Nutrient Reduction (11 Projects)

Recipient	Project Title
Assiniboine River Basin Initiative Inc.	Assiniboine River Basin Initiative to Strategically Target Wetland Restoration Opportunities within Annually Cropped Farmland
Deerwood Soil and Management Association	Nutrient and Flow Reduction in Tobacco Creek Model Watershed
International Institute for Sustainable Development	Redeploying Water Retention: Green Infrastructure and Phosphorous Capture in the Lake Winnipeg Basin
Manitoba Habitat and Heritage Corp.	Manitoba Non-point Source Nutrient Retention
Manitoba Conservation Districts Association	Exploring Livestock Grazing as a Riparian Phosphorus Management Tool
Manitoba Conservation Districts Association	Manitoba Conservation Districts Association Water Retention Program

Nutrient Reduction (continued)

Recipient	Project Title
Red River Basin Commission	Netley Libau Marsh Renewal
Seine-Rat River Conservation District	Seine-Rat River Nutrient Reduction through Mapped and Managed Water Retention
University of Saskatchewan (Pomeroy)	The Nutrient App: Promoting Beneficial Management Practices Acceptance through On-Farm Instantaneous Community based Nutrient Sampling
University of Winnipeg (Kumaragamage)	Use of soil amendments to reduce phosphorus release to flood water from water logged anoxic soils in Manitoba
Upper Assiniboine River Conservation District	Addressing nutrient pollution at its origins

Collaborative Governance (5 Projects)

Recipient	Project Title
Assiniboine River Basin Initiative Inc.	Transboundary Events in the ARB
Center for Indigenous Environmental Resources Inc.	Collaborative governance as a reconciliation process in the Winnipeg Metropolitan Region and the South Basin of Lake Winnipeg
Lake of the Woods Water Sustainability Foundation	Enhancing Capacity for Collective Governance in the Lake of the Woods Basin
Lake Winnipeg Foundation Inc.	Lake Winnipeg Community Based Monitoring Network: Data for Decision Making and Public Engagement
Lake Winnipeg Research Consortium Inc.	Lake Winnipeg Basin Integrated Capacity Inventory

Indigenous Engagement (7 Projects)

Recipient	Project Title
Assiniboine River Basin Initiative Inc.	Enhancing Indigenous Engagement Training Workshop
Assembly of Manitoba Chiefs	First Nations CPR of Lake Winnipeg Water Basin
Grand Council Treaty #3	Treaty #3 Watershed Management Plan
Lake Winnipeg Foundation Inc.	Lake Winnipeg Indigenous Collective: Building Capacity, relationships and representation
Manitoba Metis Federation	Manitoba Metis Lake Winnipeg Basin Community-Based Monitoring Program
Manitoba Conservation Districts Association	Building watershed resilience through partnership, collaboration, sharing and capacity building with Manitoba's First Nations and Conservation Districts
Red River Basin Commission	One Basin, One Governance