

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: Lower Fox River TMDL
Name: Lower Fox River TMDL
Type: TMDL/303d Projects
Subtype: Implement TMDL
Status: ACTIVE
Start Date: 03/25/2007
End Date: 12/31/2015
Purpose: The Lower Fox River (LFR) Basin originates at the outlet of Lake Winnebago and flows northeast 39 miles where it empties into Green Bay. Land use in this watershed consists of 50% agriculture, 35% urban, and 15% natural forest areas and wetlands. There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants.

Objective: This bright green water is a result of total phosphorus loading to the Lower Fox River at Kimberly in June of 2007. Photo courtesy of Bruce Cleland, Tetra Tech.

The draft TMDL was public noticed in June of 2010 and several written comments were received. Comments have been addressed and the TMDL was submitted to US EPA for review and approval on August 30, 2011. The DNR is awaiting approval.

Comments:

Outcome: How will the TMDLs affect you?

The fact sheets below are available to help interpret the TMDL. The Lower Fox River Outreach Team developed several other materials which can be found on the Lower Fox River Basin UW-Extension website.

For questions and comments regarding the LFR Basin and Green Bay TMDL: Kevin Kirsch (608) 266-7019, or Rob McLennan (920)-424-7894

Study Design:

QA Measures:

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|-------------------|--------------|----------|------------|------------|---------------|----------|
| CLAYTON, NICOLE L | COORDINATOR | COMPLETE | 03/25/2007 | 12/31/2099 | Wisconsin DNR | |
| McLennan, Robin | COORDINATOR | COMPLETE | 06/13/2012 | 12/31/2099 | Wisconsin DNR | |
| McLennan, Robin | PROJECT_LEAD | INACTIVE | 03/25/2007 | 06/13/2012 | Wisconsin DNR | |

Project Statuses

| Date | Reported By | Status | Comments |
|------|-------------|--------|----------|
|------|-------------|--------|----------|

Actions

| Action | Detailed Description | Start | End Date | Status |
|--------|----------------------|-------|----------|--------|
|--------|----------------------|-------|----------|--------|

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| Action | Detailed Description | Start | End Date | Status |
|---------------------------|---|---------------------|--------------|-----------------|
| ATTAINS TMDL | The Lower Fox River (LFR) Basin originates at the outlet of Lake Winnebago and flows northeast 39 miles where it empties into Green Bay. There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants. | 04/30/2006 | 12/31/2099 | IN_PROGRESS |
| Details: | Parameter | Value/Amount | Units | Comments |
| | Total Phosphorus | | | |
| | Total Suspended Solids | | | |
| TMDL Development | Development of a TMDL for the Lower Fox River. There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants. | 03/25/2007 | 05/18/2012 | COMPLETE |
| TMDL Actions in Wisconsin | There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants. | 03/25/2007 | 12/31/2020 | IN_PROGRESS |
| TMDL Monitoring | Lower Fox River Basin TP TSS TMDL 2012. There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants. | 03/25/2007 | 12/31/2015 | COMPLETE |
| TMDL (USEPA) Approved | There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. These pollutants reach rivers and streams from polluted runoff from farm fields, barnyards, residential yards and industrial and municipal wastewater treatment plants. | 05/18/2012 | 05/18/2012 | COMPLETE |

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| Action | Detailed Description | Start | End Date | Status |
|---------------------|---|------------|----------|-------------|
| TMDL Implementation | TMDL Implementation for the Lower Fox River. There are 14 Impaired Waters in the LFR Basin, including Lower Green Bay, that are polluted by excess phosphorus (TP) and total suspended solids (TSS) impairing fish and aquatic life uses of these water bodies. Implementation Plan is needed. | 05/18/2012 | | IN_PROGRESS |

Monitoring Stations

| Station ID | Name | Comments |
|------------|------|----------|
|------------|------|----------|

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|--------|---------|---|---------------|
| 117900 | 1 | Lower Fox River (Mouth To Depere Dam) | Fox River |
| 117900 | 2 | Lower Fox River (Depere Dam To Middle Appleton Dam) | Fox River |

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

Documents

| Title | Description | Author | Published | Comments |
|---|--|----------------------|------------|----------|
| Fox River Eutrophic Conditions | | Brown County | 02/18/2012 | |
| Fox River TMDL 2011 [117900] Cadmus Group | LFR_TMDL_EPA_Submittal_Aug_2011.PDF | Blake, Laura, Cadmus | 08/01/2011 | |
| Fox River TMDL Agriculture [PDF 122 KB] | | WDNR | 02/18/2012 | |
| Fox River TMDL General Key Points [PDF 188 KB] | | | 02/01/2012 | |
| Fox River TMDL MS4 Communities [PDF 120 KB] | | | 02/01/2012 | |
| Fox River TMDL Municipal and Industrial Dischargers [PDF 136 KB] | | | 02/18/2012 | |
| Integrated Watershed Approach Demonstration Project (Phase 1) for the Green Bay AOC/Lower Fox River Watershed -Quality Assurance Project Plan | Appendices_to_Phase_I_Final_Report | Cadmus Group | 08/01/2011 | |
| Lower Fox River Basin TP TSS TMDL 2012 | Total Phosphorus and Total Suspended Solids TMDL for the Lower | WDNR | 03/22/2012 | |

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| Title | Description | Author | Published | Comments |
|--|--|--------|------------|----------|
| TMDL DNR Website | Fox River Basin and Lower Green Bay | | | |
| USEPA Approval Letter for the Lower Fox River Basin TP and TSS TMDLs | The approval letter and decision document written by the EPA | USEPA | 05/18/2012 | |
| USEPA Decision Document for the Approval of the Lower Fox River Basin TP and TSS TMDLs | | USEPA | 05/18/2012 | |

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|