

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NKE37

Name: Upper Duck Creek PWS Plan - Nine Key Element Plan

Type: Water Quality Planning

Subtype: Nine Key Element Plan

Status: ACTIVE

Start Date: 5/1/2016

End Date: 12/31/2026

Purpose: The Upper Duck Creek Watershed is a subwatershed of the Lower Fox River Basin and is located in east central Wisconsin in Outagamie County. Duck Creek starts in the Town of Black Creek, flows through the Town of Center, Osborn, Freedom, and Oneida before flowing into the Bay of Green Bay in Hobart. Excessive sediment loads and increased algal blooms in the Lower Fox River and Bay of Green Bay prompted the need for action to be taken in the Lower Fox River Basin. A Total Maximum Daily Load was approved for the Lower Fox River and Lower Green Bay and its tributaries in 2012. The development of implementation plans for the subwatersheds of the Lower Fox River Basin are necessary to meet the assigned daily loads of the TMDL.

Objective: Goal #1: Improve surface water quality to meet the TMDL limits for total phosphorus and sediment.
 Goal #2: Increase citizens' awareness of water quality issues and active participation in stewardship of the watershed.
 Goal #3: Reduce runoff volume and flood levels during peak storm events.

Comments:

Outcome: Recommended Management Practices: Reduced Tillage Methods (Strip/Zone till, No till, Mulch till), Cover Crops, Vegetated Buffers, Wetland Restoration, Grassed Waterways, Nutrient Management, Vertical Manure Injection, Exploring new technologies/practices (soil amendments, tile drainage water management, phosphorus removal structures, etc). Education and Information Recommendations: Provide educational workshops and tours on how to implement best management practices, Engage landowners in planning and implementing conservation on their land and ensuring they know what technical tools and financial support is available to them, Provide information on water quality and conservation practices to landowners in the watershed area, Newsletters and/or webpage with watershed project updates and other pertinent conservation related information.

Study Design: <https://dnr.wi.gov/topic/nonpoint/documents/9kep/UpperDuckCreekPlan.pdf>

QA Measures:

| People | | | | | | |
|--------|------|--------|------------|----------|--------------|----------|
| Name | Role | Status | Start Date | End Date | Organization | Comments |

| Project Statuses | | | |
|------------------|-------------|--------|----------|
| Date | Reported By | Status | Comments |

Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

| Action | Detailed Description | Start Date | End Date | Status |
|-----------------------|--|------------|------------|-------------|
| Nine Key Element Plan | Upper Duck Creek PWS Plan - Nine Key Element Plan - The Upper Duck Creek Watershed is a subwatershed of the Lower Fox River Basin and is located in east central Wisconsin in Outagamie County. Duck Creek starts in the Town of Black Creek, flows through the Town of Center, Osborn, Freedom, and Oneida before flowing into the Bay of Green Bay in Hobart. Excessive sediment loads and increased algal blooms in the Lower Fox River and Bay of Green Bay prompted the need for action to be taken in the Lower Fox River Basin. A Total Maximum Daily Load was approved for the Lower Fox River and Lower Green Bay and its tributaries in 2012. The development of implementation plans for the subwatersheds of the Lower Fox River Basin are necessary to meet the assigned daily loads of the TMDL. | 5/1/2016 | 12/31/2026 | IN_PROGRESS |

| Details: Parameter | Value/Amount | Units | Comments |
|---|--------------|-------|----------|
| BMP Implementation | | | |
| Degraded Biological Community | | | |
| I & E Activities | | | |
| Permit Modification | | | |
| Products Developed: Stormwater Plan | | | |
| Report Writeup | | | |
| Stormwater Goals Addressed: Reduce TSS | | | |
| Streambank & Shoreline Protection: Pollutant load reduction | | | |
| Total Nitrogen | | | |
| Total Phosphorus | | | |
| Total Suspended Solids | | | |
| Watershed Outreach, Planning | | | |

Monitoring Stations

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

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|------|---------|------------|---------------|
|------|---------|------------|---------------|

Lab Account Codes

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

Forms

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

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Methods

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

Fieldwork Events

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

Documents

| Title | Description | Author | Published | Comments |
|--|---|---|-----------|----------|
| Upper Duck Creek Nonpoint Source Watershed Implementation Plan | The Upper Duck Creek Watershed is a subwatershed of the Lower Fox River Basin and is located in east central Wisconsin in Outagamie County. Duck Creek starts in the Town of Black Creek, flows through the Town of Center, Osborn, Freedom, and Oneida before flowing into the Bay of Green Bay in Hobart. Excessive sediment loads and increased algal blooms in the Lower Fox River and Bay of Green Bay prompted the need for action to be taken in the Lower Fox River Basin. A Total Maximum Daily Load was approved for the Lower Fox River and Lower Green Bay and its tributaries in 2012. The development of implementation plans for the subwatersheds of the Lower Fox River Basin are necessary to meet the assigned daily loads of the TMDL. https://dnr.wi.gov/topic/nonpoint/documents/9kep/UpperDuckCreekPlan.pdf | Outagamie County Land Conservation Department | 1/1/2016 | |

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

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