

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: Mill Creek TMDL
Name: Mill Creek TMDL
Type: TMDL/303d Projects
Subtype: TMDL Development
Status: ACTIVE
Start Date: 01/01/2013
End Date: 12/31/2099
Purpose: Mill Creek is a 47-mile tributary of the Wisconsin River. The stream originates in the City of Marshfield and has minimal streamflow in the upper reaches. The Marshfield WWTP discharges to the headwaters of Mill Creek and contributes more than 90% of the streamflow at the point of discharge. The upper 14 miles of the stream is listed in NR 104 as a Limited Aquatic Life variance stream and the lower 33 miles is classified as Fish and Aquatic life waters. Mill Creek is also listed as an impaired waterbody on EPA's 303d list for low dissolved oxygen, which required the Department to develop a TMDL for the stream. The stream is impacted by stormwater run-off from Marshfield, sedimentation, barnyard and cropland run-off, flashy streamflow, channel ditching, streambank erosion, ammonia toxicity and nutrient enrichment. Large volumes of stormwater scours streambeds, erode streambanks, and carries sediment, nutrients, and other pollutants to surface waters. August 2000 HBI results suggest there is a significant organic loading to the stream. Water samples collected in the winter of 2000 (before the new treatment plant was built) found ammonia concentrations high enough to cause chronic toxicity to aquatic life based on EPA criteria. Since Mill Creek is currently classified as Limited Aquatic Life, the WWTP in Marshfield has no ammonia limit.

Objective: Mill Creek in Wood and Portage Counties is impaired due to one or more pollutants and associated quality impacts. Mill Creek has been on the CWA 303(d) impaired waters list since 1998 for Total Phosphorus. The TMDL is in development. Projects for this area include: Mill Creek SWAT Modeling (UWSP), Mill Creek Nutrient Management Planning, (Portage Co. and Golden Sands RC&D),

Comments:
Outcome:
Study Design:
QA Measures:

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|------------------|--------------|--------|------------|------------|---------------|----------|
| HAZUGA, MARK J | COORDINATOR | ACTIVE | 01/01/2013 | 12/31/2099 | Wisconsin DNR | |
| KIRSCH, KEVIN J | PROJECT_LEAD | ACTIVE | 01/01/2013 | 12/31/2099 | Wisconsin DNR | |
| Provost, Scott M | COORDINATOR | ACTIVE | 01/01/2013 | 12/31/2099 | | |

Project Statuses

| Date | Reported By | Status | Comments |
|------------|--------------|--------------------------|----------|
| 04/02/2017 | Lisa Helmuth | Progress: 0-25% Complete | |

Actions

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

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| Action | Detailed Description | Start | End Date | Status |
|------------------|---|------------|------------|-------------|
| TMDL Development | Mill Creek is a 47-mile tributary of the Wisconsin River. Mill Creek is also listed as an impaired waterbody on EPA's 303d list for low dissolved oxygen, which required the Department to develop a TMDL for the stream. | 01/01/2013 | 12/31/2099 | IN_PROGRESS |

| Details: | Parameter | Value/Amount | Units | Comments |
|----------|-------------------------------|--------------|-------|----------|
| | Degraded Biological Community | | | |
| | PCBs | | | |
| | Total Nitrogen | | | |
| | Total Phosphorus | | | |
| | Total Suspended Solids | | | |

Monitoring Stations

| Station ID | Name | Comments |
|------------|--------------------------|----------|
| 503155 | Mill Creek US Elm Rd | |
| 10032102 | Mill Creek at CTH M #842 | |

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|------------|---------------|
| 1398600 | 1 | Mill Creek | Mill Creek |

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 |
|--|-------------|--------|------------|----------|
| Mill Creek Watershed (CW11) Goals and Priorities Image | | | 06/22/2011 | |

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

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