

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_10_CMP08 ATTAINS

Name: Bass Lake, Peshtigo Watershed NER_10_08

Type: TMDL/303d Projects

Subtype: Monitor Listed Waters

Status: COMPLETE

Start Date: 5/18/2006

End Date: 12/31/2008

Purpose: Bass Lake has been listed on the 303d list for a number of years because of high phosphorus concentrations, low DO, severe blue green algae blooms, resulting in fish kills. The problems resulted from agricultural related non-point source discharges in the watershed. Through over a decade of small watershed grants and 319 related grants for BMPs and lake grant projects along with conservation easement purchased the lake water quality has made a recovery. We would like to take Bass Lake off the 303d list so I am proposing to do a year of monitoring to determine if the trend of better trophic status indices are continuing prior to making the decision of removing the lake off the list. This will involve monitoring Bass Lake 5 times for phosphorous (surface and bottom), chlorophyll a, secchi disk and DO profile along with pH, temperature and conductivity at ice out, three times during the summer months and upon fall turnover which occurs late into November some years.

Objective: We want to obtain an additional year of data to determine if all the parameters of indicators continue to be stable prior to taking Bass Lake off the 303d list. There have been some higher bottom phosphorus concentrations measured in the last two years so we want to determine if the indicators will remain stable or continue to increase. Also, we want to be sure how much external loadings have been reduced quantitatively instead of assuming they definitely have been reduced with past project activities prior to removing from the 303d list.

Comments: The sampling, modeling and report will be done by Marinette Co LWCD (Chuck Druckrey certified NALMS limnologist). They quoted \$4,999.99 for sampling, time, materials, travel, modeling and final report.

Outcome: The performance measures will be to do the sampling, summarize the data and write up conclusions and recommendation for taking Bass Lake off the 303d list. The report should be completed some time in 2007 or early 2008.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Druckrey, Chuck	TEAM_MEMBER	COMPLETE	6/18/2007	5/1/2021	Marinette County LCD	
Sevener, Gregory A	COORDINATOR	ACTIVE	5/18/2006		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Monitor or Propose 303(d) Listing	We would like to take Bass Lake off the 303d list so I am proposing to do a year of monitoring to determine if the trend of better trophic status indices are continuing prior to making the decision of removing the lake off the list. This will involve monitoring Bass Lake 5 times for phosphorous(surface and bottom), chlorophyll a, secchi disk and DO profile along with pH, temperature and conductivity at ice out, three times during the summer months and upon fall turnover which occurs late into November some years.	5/18/2006	12/31/2008	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Temperature			
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
383074	Bass Lake - Deepest Part	
383229	Bass Lake Tributary - Bass Lake Tributary	

Assessment Units

WBIC	Segment	Local Name	Official Name
521400	1	Bass Lake	Bass Lake
1604200	1	Bass Lake	Bass Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
WT089	SPECIAL PROJECTS	7/1/2007	6/30/2008

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload
INORGANIC	Inorganic Lab - Field Data

Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
9/21/2006 11:45	COMPLETE	1193388601	383074	Bass Lake - Deepest Part
11/8/2006 12:00	COMPLETE	14189825	383074	Bass Lake - Deepest Part

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11/28/2007 14:00	COMPLETE	B1-1	383074	Bass Lake - Deepest Part
11/28/2007 14:05	COMPLETE	B2-14	383074	Bass Lake - Deepest Part
4/7/2008 15:00	COMPLETE	BLTRIB-1	383229	Bass Lake Tributary - Bass Lake Tributary
4/15/2008 13:20	COMPLETE	BI	383229	Bass Lake Tributary - Bass Lake Tributary
5/5/2008 12:00	COMPLETE	B2	383074	Bass Lake - Deepest Part
6/24/2008 11:45	COMPLETE	BL1 B1	383074	Bass Lake - Deepest Part
6/24/2008 11:50	COMPLETE	BASSL2	383074	Bass Lake - Deepest Part
6/24/2008 13:00	COMPLETE	BLTRIB	383229	Bass Lake Tributary - Bass Lake Tributary

Documents

Title	Description	Author	Published	Comments
BASS LAKE 2008 LAKE RESTORATION PROJECT FINAL REPORT	Bass Lake Restoration Proect, Final Report	Druckery, Chuck	9/17/2009	
BASS LAKE AND EXTERNAL LOADING STUDY MONITORING PROPOSAL	Monitoring Proposal	Sevener, Greg	6/18/2007	BASS
BASS LAKE DATA FILES, DRUCKERY 2008	Bass 08 Tributary data.xls	Druckery, Chuck	9/17/2009	
BASS LAKE PROJECT DATA	Bass - Chem	Druckery, Chuck	9/17/2009	
BASS LAKE PROJECT FILES, BASSFLOW-2008, DRUCKERY 2008	Bassflow-2008.xls	Druckery, Chuck	9/17/2009	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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