

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: DL2018_Provost
Name: 2018 Directed Lakes Provost Amherst Millpond
Type: Directed Lakes
Subtype:
Status: PROPOSED
Start Date: 12/28/2017
End Date: 12/28/2022
Purpose: Amherst Millpond

The Amherst Millpond (WBIC 268200) is an impoundment on the Tomorrow River (WBIC 270400; Class I trout stream) in the Village of Amherst, Portage County. There is a public boat landing, undeveloped parcels, and a county park on the east shoreline. Homes dominated the west shoreline. Reconstruction of the dam in 2016 required a drawdown. Repairs were completed in 2017. Prior to dam reconstruction, the Amherst Millpond was a 38 acre pond with a maximum depth of 7 feet. The substrate was 20% sand and 80% muck. During the drawdown, the muck was compacted and emergent vegetation took hold in most areas of the lakebed. Once the new dam was completed and the impoundment was allowed to fill back up, the emergent vegetation remained thus channelizing the river towards the east. The substrate in this new channel is now mostly gravel. Aerial photographic evidence clearly show channelization and significant emergent vegetation growth. There is substantial interest in the Amherst Millpond and its recent transformation by the local Trout Unlimited chapter, area residents, UW-Stevens Point researchers, and DNR water quality and fisheries staff. Many partnerships have developed between interested parties during several discussions and site visits to the Millpond. Through this project, we hope to continue to foster these partnerships and encourage citizen based monitoring efforts. Several area citizens and TU members have already expressed interest in such monitoring.

Objective: This proposed Directed Lakes project will allow us to monitor the recent changes on the Amherst Millpond. We would like to conduct water sampling, PI aquatic plant survey, and an aquatic invasive species survey. In addition, we are also proposing a Local Needs project for the Amherst Millpond.

Comments:

Outcome: The data from this proposed Directed Lakes project will be used in conjunction with the data from the related Local Needs project and will allow us to develop a comprehensive analysis of the recent Amherst Millpond transformation.

Study Design: We will conduct our surveys and sampling according to Directed Lakes protocol and WisCALM.

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BRILLOWSKI, CAITLIN M	TEAM_MEMBER	ACTIVE	12/28/2017	12/31/2019	Wisconsin DNR	
HAZUGA, MARK J	SUPERVISOR	ACTIVE	12/28/2017	12/31/2019	Wisconsin DNR	
Lepsch, Jodi A	TEAM_MEMBER	ACTIVE	12/28/2017	12/31/2019	Wisconsin DNR	
Provost, Scott M	TEAM_MEMBER	ACTIVE	12/28/2017			
RALEIGH, MYCAL C	COORDINATOR	ACTIVE	12/28/2017	12/31/2019	Wisconsin DNR	
Selle, Alexander J	TEAM_MEMBER	ACTIVE	06/25/2018		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/31/2018	Jodi Lepsch	Proposed	

Actions

Action	Detailed Description	Start	End Date	Status
Monitor Water Quality or Sediment	This proposed Directed Lakes project will allow us to monitor the recent changes on the Amherst Millpond. We would like to conduct water sampling, PI aquatic plant survey, and an aquatic invasive species survey. In addition, we are also proposing a Local Needs project for the Amherst Millpond.	12/28/2017	12/31/2019	PROPOSED

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Aquatic Plant Monitoring or Survey		12/28/2017	12/31/2019	PROPOSED
Train Volunteers		12/28/2017	12/28/2022	PROPOSED
Monitor Invasive Species		12/28/2017	12/31/2019	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10040059	Amherst Millpond - Center	
10044193	Downstream of Amherst Dam	
10036969	Tomorrow River at Lake Meyers Road	

Assessment Units

WBIC	Segment	Local Name	Official Name
257400	4	Tomorrow/Waupaca River	Waupaca River
257400	5	Tomorrow/Waupaca River	Waupaca River
257400	6	Tomorrow/Waupaca River	Waupaca River
268200	1	Amherst Millpond	Amherst Millpond

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ014	DIRECTED LAKES MONITORING	04/22/2015	12/31/2099

Forms

Form Code	Form Name
SECCHI_TEMPDO_PLI	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Method Code	Description
DIRECTED LAKES AIS	Directed Lakes Sampling Methods

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
09/11/2018 11:45	COMPLETE	AMH-1	10040059	Amherst Millpond - Center
09/11/2018 12:30	COMPLETE	UPSTREAM AMH	10036969	Tomorrow River at Lake Meyers Road
09/11/2018 12:40	COMPLETE	DOWNSTREAM AM	10044193	Downstream of Amherst Dam

Documents

Title	Description	Author	Published	Comments
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Budget

Budget Description: FY18 Feb 2018-June 30, 2018 **Start Date:** 02/02/2018 **End Date:** 06/30/2018

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	20	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	20	Hours	\$14.00	\$280.00	
LTE FR	LTE Fringe				\$69.16	
LTE IND	LTE Indirect				\$56.46	
LTE TOT	LTE Total Cost				\$405.62	

Wisconsin Department of Natural Resources SWIMS Project Summary

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	60	Miles	\$0.72	\$43.20	
MEAL	Meals	0	Meals	\$10.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$43.20	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$448.82	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$448.82	

Budget Description: FY19 July 1, 2018-June 30, 2019 **Start Date:** 07/01/2018 **End Date:** 06/30/2018

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	30	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	60	Hours	\$14.00	\$840.00	
LTE FR	LTE Fringe				\$207.48	
LTE IND	LTE Indirect				\$169.38	
LTE TOT	LTE Total Cost				\$1,216.86	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	120	Miles	\$0.72	\$86.40	
MEAL	Meals	9	Meals	\$9.00	\$81.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$167.40	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,384.26	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$1,384.26	

Combined Budgets: \$1,833.08
Combined SLOH: \$0.00
Combined Total: \$1,833.08

Funding

August 3, 2020

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Organization	Source	Type	Amount	Start Date	End Date
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