

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_06_CMP11

Name: East Alaska Impaired Waters: FY10 Lake-Continuation [NER_06_11]

Type: TMDL/303d Projects

Subtype: Determine Pollutants or Impairments

Status: COMPLETE

Start Date: 07/01/2010

End Date: 06/30/2011

Purpose: East Alaska Lake is currently listed as impaired because of contaminated fish tissue. Major watershed modifications have been installed which has significantly decreased external phosphorus loading to the lake. In 2009, water quality sampling and an aquatic plant survey was completed on East Alaska Lake. This project would be a continuation of the water quality monitoring effort. These data are needed to assess the existing condition of the lake and determine 1). If East Alaska Lake should be added to the 303(d) list in 2012 for additional impairments, and 2). How significant the internal phosphorus loading is to the lake and if an alum treatment is recommended to reduce summer algae blooms.

Objective: Mary Gansberg will collect water quality (Carlson trophic status) data on East Alaska Lake to determine the existing status of the lake and help assess the need for restoration efforts. Water chemistry samples will be collected at two locations (deep hole and shallow hole) and at two depths (top 2 meters and just off the bottom). Dissolved oxygen and temperature profiles will be collected at two locations during each sampling event. In addition, zebra mussel veligers and spiny water flea sampling will be done during July and August.

Comments: Project Category 3: Continuation of FY2010 Special Projects.

Gansberg received addition funding from another lab account code SS013 to do continued Fall '11 sampling.

Outcome: Performance Measures: These are milestones that will be reported on in the Division Quarterly Report. Please estimate dates in a manner that encourages success.

- 1) Number of sample sites associated with the project.
- 2) Number of sampling events associated with project.
- 3) Estimated date when sample collection will be complete. 9/30/2010
- 4) Estimated date when all data will be entered into appropriate database. 6/30/2011
- 5) Estimated date when final report will be complete.6/30/2011

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Gansberg, Mary K	PROJECT_LEAD	COMPLETE	07/01/2010	06/30/2011	Wisconsin DNR	
Schiefelbein, Jeremiah J	TEAM_MEMBER	INACTIVE	03/04/2010		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/07/2010	MOLLI MACDONALD	Progress: 25-50% Complete	Project looks to be on schedule. For some of the events, can't tell the shallow field events from the deep ones from the coding. That would be a nice detail to have entered in the description field if there is time. Need January status update.
06/27/2011	Mary Gansberg	Progress: 75-100% Complete	All surveys and field data collected as planned. Reports prepared. Need to attach reports to this project yet.
09/29/2011	Mary Gansberg	Active	Alum treatment planned October 18 and 19, 2011
12/14/2011	MOLLI MACDONALD	Complete	Dynamic report generated from SWIMS is Final Report
01/06/2012	Mary Gansberg	Progress: 75-100% Complete	Water quality data collected were used to support the October 2011 alum treatment on East Alaska Lake (WBIC 94200). A final report that will include all data collected through 2012 will be submitted by the consultant responsible for reporting on the success of the alum treatment. The final report is due June 30, 2013. This project is linked to Lake Planning grant LPL-1405 and Lake Protection grant LPT-441-12.

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Date	Reported By	Status	Comments
08/29/2012	Mary Gansberg	Progress: 75-100% Complete	Consultant is collecting water quality data as planned and a report is due June 30, 2013. Project is on-going and on schedule.
01/28/2013	Mary Gansberg	Complete	Final report completed and uploaded to SWIMS.

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	
3. Proposed Dates for Sample Collection	
4. List applicable databases and who will enter data?	
5. Did you receive competitive projects funding during FY 2010?	
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	
7. Reviewer Notes: Identify questions or issues with project (use during review period)	

Actions

Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	East Alaska Lake (WBIC: 94200) is currently listed as impaired because of contaminated fish tissue. Major watershed modifications have been installed which has significantly decreased external phosphorus loading to the lake. In 2009, water quality sampling and an aquatic plant survey was completed on East Alaska Lake. This project would be a continuation of the water quality monitoring effort. These data are needed to assess the existing condition of the lake and determine 1). If East Alaska Lake should be added to the 303(d) list in 2012 for additional impairments, and 2). How significant the internal phosphorus loading is to the lake and if an alum treatment is recommended to reduce summer algae blooms.	07/01/2010	06/30/2011	COMPLETE

Monitoring Stations

Station ID	Name	Comments
313121	East Alaska Lake - Deep Hole	
10031100	East Alaska Lake - Southern End of Lake (Site 2)	

Assessment Units

WBIC	Segment	Local Name	Official Name
94200	1	East Alaska Lake	East Alaska Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
SS013	ISS MISC	08/21/2000	06/30/2014

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Account Code	Description	Start Date	End Date
WT128	LAKES SPECIAL PROJECTS	06/18/2010	06/30/2011

Forms

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

Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
04/05/2010 11:40	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
07/28/2010 10:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
07/28/2010 10:30	COMPLETE		313121	East Alaska Lake - Deep Hole
07/28/2010 10:45	COMPLETE	EAL-DB	313121	East Alaska Lake - Deep Hole
07/28/2010 11:15	COMPLETE	EAL-SS	10031100	East Alaska Lake - Southern End of Lake (Site 2)
07/28/2010 11:15	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
07/28/2010 11:30	COMPLETE	EAL-SB	10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/16/2010 10:15	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
08/16/2010 10:15	COMPLETE		313121	East Alaska Lake - Deep Hole
08/16/2010 10:30	COMPLETE	EAL-DB	313121	East Alaska Lake - Deep Hole
08/16/2010 11:15	COMPLETE	EAL-SS	10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/16/2010 11:15	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/16/2010 11:30	COMPLETE	EAL-SB	10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/31/2010 11:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
08/31/2010 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
08/31/2010 11:30	COMPLETE	EAL-DB	313121	East Alaska Lake - Deep Hole
08/31/2010 11:55	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/31/2010 12:00	COMPLETE	EAL-SS	10031100	East Alaska Lake - Southern End of Lake (Site 2)
08/31/2010 12:30	COMPLETE	EAL-SB	10031100	East Alaska Lake - Southern End of Lake (Site 2)
09/14/2010 11:15	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
09/14/2010 11:15	COMPLETE		313121	East Alaska Lake - Deep Hole
09/14/2010 11:30	COMPLETE	EAL-DB	313121	East Alaska Lake - Deep Hole
09/14/2010 12:15	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
09/14/2010 12:30	COMPLETE	EAL-SS	10031100	East Alaska Lake - Southern End of Lake (Site 2)
09/14/2010 12:45	COMPLETE	EAL-SB	10031100	East Alaska Lake - Southern End of Lake (Site 2)
10/25/2010 11:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
10/25/2010 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
10/25/2010 11:45	COMPLETE	EAL-DB	313121	East Alaska Lake - Deep Hole
10/25/2010 12:00	COMPLETE	EAL-SS	10031100	East Alaska Lake - Southern End of Lake (Site 2)
10/25/2010 12:00	COMPLETE		10031100	East Alaska Lake - Southern End of Lake (Site 2)
10/25/2010 12:15	COMPLETE	EAL-SB	10031100	East Alaska Lake - Southern End of Lake (Site 2)
04/27/2011 10:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
04/27/2011 10:30	COMPLETE		313121	East Alaska Lake - Deep Hole
04/27/2011 10:45	COMPLETE	EAL-D5	313121	East Alaska Lake - Deep Hole
05/05/2011 10:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
05/05/2011 10:30	COMPLETE		313121	East Alaska Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
05/05/2011 10:45	COMPLETE	EAL-D5	313121	East Alaska Lake - Deep Hole
05/13/2011 11:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
05/13/2011 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
05/13/2011 11:05	COMPLETE	EAL-D5	313121	East Alaska Lake - Deep Hole
05/24/2011 11:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
05/24/2011 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
05/24/2011 11:15	COMPLETE	EAL-D5	313121	East Alaska Lake - Deep Hole
06/17/2011 10:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
06/17/2011 10:30	COMPLETE		313121	East Alaska Lake - Deep Hole
07/06/2011 10:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
07/06/2011 10:00	COMPLETE		313121	East Alaska Lake - Deep Hole
07/18/2011 10:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
07/18/2011 10:00	COMPLETE		313121	East Alaska Lake - Deep Hole
08/05/2011 13:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
08/05/2011 13:30	COMPLETE		313121	East Alaska Lake - Deep Hole
08/17/2011 09:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
08/17/2011 09:30	COMPLETE		313121	East Alaska Lake - Deep Hole
08/31/2011 10:30	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
08/31/2011 10:30	COMPLETE		313121	East Alaska Lake - Deep Hole
09/15/2011 11:00	COMPLETE	EAL-DS	313121	East Alaska Lake - Deep Hole
09/15/2011 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
10/04/2011 14:00	COMPLETE		313121	East Alaska Lake - Deep Hole
10/06/2011 11:00	COMPLETE		313121	East Alaska Lake - Deep Hole
10/06/2011 11:45	COMPLETE	1	313121	East Alaska Lake - Deep Hole
10/06/2011 12:00	COMPLETE	5	313121	East Alaska Lake - Deep Hole
10/06/2011 12:15	COMPLETE	6	313121	East Alaska Lake - Deep Hole
10/06/2011 12:30	COMPLETE	7	313121	East Alaska Lake - Deep Hole
10/06/2011 12:45	COMPLETE	8	313121	East Alaska Lake - Deep Hole
10/06/2011 13:00	COMPLETE	9	313121	East Alaska Lake - Deep Hole
10/06/2011 13:15	COMPLETE	10	313121	East Alaska Lake - Deep Hole
10/06/2011 13:30	COMPLETE	11	313121	East Alaska Lake - Deep Hole
10/06/2011 13:45	COMPLETE	12	313121	East Alaska Lake - Deep Hole
10/06/2011 14:00	COMPLETE	13	313121	East Alaska Lake - Deep Hole
10/06/2011 14:15	COMPLETE	14	313121	East Alaska Lake - Deep Hole
10/06/2011 14:30	COMPLETE	14.63	313121	East Alaska Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
East Alaska Aquatic Plant Survey Results 2009		Jay Schiefelbein	02/24/2010	
East Alaska Lake Alum Treatment Plan	LPL-1405-11. East Alaska Lake, WBIC 94200. Alum Treatment Plan. Actual treatment done with Lake Protection grant LPT-441-12	Tim Hoyman	04/01/2011	
East Alaska Lake Alum Treatment-One Year Post-treatment 2012 Update.	This year-end report summarizes the water quality data collected to date and summarizes the success of the alum treatment. This report is associated with the lake protection grant LPT-441-12.	Onterra, LLC	12/06/2012	

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Title	Description	Author	Published	Comments
East Alaska Lake, Lake Management Plan Addendum	LPL-1405-11. East Alaska Lake, WBIC 94200, Lake Management Plan Addendum	Tim Hoyman	02/01/2011	
East Alaska Lake-Continuation of FY10 303(d) NER_06_11			04/08/2011	
East Alaska Report		Mary Gansberg	02/24/2010	
East Alaska Water Quality Data 2009		Mary Gansberg	02/24/2010	
Project Memo		Mary Gansberg	02/24/2010	

Budget

Budget Description: Budget for East Alaska Impaired Waters: FY10 Lake-Continuation [NER_06_11] **Start Date:** 07/01/2010 **End Date:** 06/30/2011

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	\$0.00	\$0.00	Mary Gansberg
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies				\$0.00	
MILEAGE	Mileage	450	Miles	\$0.37	\$166.50	
MEAL	Meals	8	Meals	\$9.00	\$72.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$238.50	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$238.50	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I251UNF	CHLOROPHYLL A, FLUORESCENCE, FF (EPA 445.0)	INORGANIC CHEMISTRY	8	\$23.28	\$186.24
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	24	\$23.60	\$566.40
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	24	\$6.36	\$152.64

Total SLOH Lab Costs: \$905.28
Total Budget: \$1,143.78

Combined Budgets: \$238.50
Combined SLOH: \$905.28
Combined Total: \$1,143.78

Funding

Organization	Source	Type	Amount	Start Date	End Date
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