

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1289-09
Name: PICKEREL/CRANE LAKE PROT & REHAB DISTRICT: Pickerel Crane Lake Management Planning Project, Phase 1
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 04/01/2009
End Date: 06/30/2013
Purpose: Pickerel Crane P&R District is sponsoring large scale lake planning grants to study Pickerel and Crane Lakes in Forest County. The project will focus on developing a Lake Management Plan (LMP) for Pickerel and Crane Lakes that will include an AIS control plan and a native mechanical harvesting plan. Completion of a LMP will allow for potential Aquatic Invasive Species (AIS) cost sharing grants and permits for Eurasian water-milfoil (EWM) control.

Project activities include: 1) Stakeholder participation - kick-off meeting, AIS training, planning meetings (up to 2), wrap-up meeting, news release, newsletter article, and progress report; 2) Recruit volunteers and implement a CB/CW program; 3) Annual volunteer AIS monitoring; 4) Water quality sampling (Secchi, P, Chla, N, Conductivity, pH, Alkalinity, Total Suspended solids, Calcium, DO, and temp); 5) Curly-leaf pondweed (CLP) survey and aquatic plant community mapping; 6) Sensitive area delineation; 7) Fisheries assessment; 8) Watershed assessment and P load modeling; 9) Zebra mussel monitoring; 10) Develop LMP (with AIS control and harvesting components).

Project deliverables for phase 1 include: 1) News release, newsletter article, and progress report; 2) Watershed maps and modeling; 3) Water quality and P modeling data.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of news release, newsletter article, progress report, data and modeling from watershed assessment, all GIS data, and all maps from project.

Objective:
Comments: Grantee is PICKEREL/CRANE LAKE PROT & REHAB DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Butterfield, Brenton	TEAM_MEMBER	COMPLETE	04/01/2009	01/15/2020	Onterra, LLC	
Cibulka, Dan	TEAM_MEMBER	COMPLETE	04/01/2009	06/30/2013	Onterra, LLC	
Hoyman, Tim	TEAM_MEMBER	COMPLETE	04/01/2009	06/30/2013	Onterra, LLC	
Pickerel/Crane P & R District	GRANT_RECIPII	ACTIVE	04/01/2009		Pickerel/Crane P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Pickeral Crane P&R District is sponsoring large scale lake planning grants to study Pickeral and Crane Lakes in Forest County. The project will focus on developing a Lake Management Plan (LMP) for Pickeral and Crane Lakes that will include an AIS control plan and a native mechanical harvesting plan. Completion of a LMP will allow for potential Aquatic Invasive Species (AIS) cost sharing grants and permits for Eurasian water-milfoil (EWM) control.</p> <p>Project activities include: 1) Stakeholder participation - kick-off meeting, AIS training, planning meetings (up to 2), wrap-up meeting, news release, newsletter article, and progress report; 2) Recruit volunteers and implement a CB/CW program; 3) Annual volunteer AIS monitoring; 4) Water quality sampling (Secchi, P, Chla, N, Conductivity, pH, Alkalinity, Total Suspended solids, Calcium, DO, and temp); 5) Curly-leaf pondweed (CLP) survey and aquatic plant community mapping; 6) Sensitive area delineation; 7) Fisheries assessment; 8) Watershed assessment and P load modeling; 9) Zebra mussel monitoring; 10) Develop LMP (with AIS control and harvesting components).</p> <p>Project deliverables for phase 1 include: 1) News release, newsletter article, and progress report; 2) Watershed maps and modeling; 3) Water quality and P modeling data.</p>	04/01/2009	06/30/2011	COMPLETE
Monitor Invasive Species		04/01/2009	06/30/2011	PROPOSED
Comprehensive Planning Studies	29394156	04/01/2009		PROPOSED
Watershed Mapping or Assessment		04/01/2009	06/30/2011	PROPOSED
Lake Management Plan Development	29394156	04/01/2009		PROPOSED

Monitoring Stations

Station ID	Name	Comments
213121	Crane Lake - Deep Hole	
213039	Pickeral Lake - East Lobe Max Depth	

Assessment Units

WBIC	Segment	Local Name	Official Name
388100	1	Pickeral Lake	Pickeral Lake
388500	1	Crane Lake	Crane Lake

Lab Account Codes

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Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	01/01/1960	12/31/2099
LM017	LAKE MANAGEMENT PLANNING GRANT	01/01/1960	12/31/2099
LM018	LAKE MANAGEMENT PLANNING GRANT	01/01/1960	12/31/2099

Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
04/30/2009	COMPLETE	PLB	213039	Pickeral Lake - East Lobe Max Depth
04/30/2009 14:00	COMPLETE	CLB	213121	Crane Lake - Deep Hole
06/23/2009 13:00	COMPLETE	CLS	213121	Crane Lake - Deep Hole
07/20/2009 12:00	COMPLETE	PLS	213039	Pickeral Lake - East Lobe Max Depth
07/24/2009 10:00	COMPLETE	JULY	213121	Crane Lake - Deep Hole
08/19/2009 10:00	COMPLETE	AUG	213121	Crane Lake - Deep Hole
08/27/2009 09:45	COMPLETE	PLS	213039	Pickeral Lake - East Lobe Max Depth
11/05/2009 13:15	COMPLETE	CLS	213121	Crane Lake - Deep Hole
11/05/2009 14:25	COMPLETE	PLB	213039	Pickeral Lake - East Lobe Max Depth
11/05/2009 14:25	COMPLETE	PLS	213039	Pickeral Lake - East Lobe Max Depth
03/02/2010 09:00	COMPLETE	CLS	213121	Crane Lake - Deep Hole
03/02/2010 12:20	COMPLETE	PLS	213039	Pickeral Lake - East Lobe Max Depth

Documents

Title	Description	Author	Published	Comments
Pickeral and Crane Lakes Comprehensive Management Plan 2012	Pickeral and Crane Lakes (Forest/Langlade Counties) comprehensive management plan, sponsored by Pickeral Crane Protection & Rehabilitation District, prepared by Onterra, LLC. Includes photos, maps, graphs, tables, and diagrams. Maps and appendices attached.	Onterra, LLC.	08/15/2013	
Pickeral and Crane Lakes Comprehensive Management Plan Appendices 2012	Appendices to accompany Pickeral and Crane Lakes Comprehensive Management Plan 2012, prepared by Onterra, LLC. Includes public participation materials, stakeholder survey response charts and comments, water quality data, watershed analysis WILMS results, 2006 aquatic plant survey data, and WDNR fisheries survey summary.	Onterra, LLC.	12/15/2014	
Pickeral and Crane Lakes Comprehensive Management Plan Maps 2012	Maps to accompany Pickeral and Crane Lakes Comprehensive Management Plan 2012, prepared by Onterra, LLC.	Onterra, LLC.	12/15/2012	

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Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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