

Wisconsin Department of Natural Resources  
SWIMS Project Summary

General Project Information

Project ID:	SS001
Name:	Bullhead Lake and Silver Lake Sediment Cores 1995
Type:	Lake Water Quality Monitoring
Subtype:	
Status:	COMPLETE
Start Date:	1/1/1991
End Date:	12/31/2009
Purpose:	Deep hole Bullhead Lake sediment core and west basin Silver Lake sediment core.
Objective:	
Comments:	lakes sediment.
Outcome:	Bullhead Lake: "A sediment core was collected from the deepest area of the lake on 30 September 1991. The core was collected with a piston core with a plastic tube having an inside diameter of 8.8 cm. The core was sectioned into 1 cm intervals for the first 20 cm and 2 cm intervals to the bottom of the core which was 70 cm. The core was dated by the 210Pb method and the CRS model used to estimate dates and sedimentation rate. The diatom community was analyzed to assess changes in nutrient levels and changes in the macrophyte community and geochemical elements were examined to determine the causes of changes in the water quality."
Study Design:	
QA Measures:	

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Garrison, Paul J	INVESTIGATOR	COMPLETE	1/1/1991	4/1/2008	Retired Wisconsin DNR	

Project Statuses			
Date	Reported By	Status	Comments

Actions					
Action	Detailed Description	Start Date	End Date	Status	
Monitor Paleocore	One sediment core was taken in Bullhead Lake in 1991. Diatom analysis was done, final report submitted 2008.	9/30/1991	4/1/2008	COMPLETE	
Monitor Paleocore	One sediment core was taken from Silver Lake in 1995. Diatom analysis was done.	11/1/1995	11/1/1995	COMPLETE	

Monitoring Stations		
Station ID	Name	Comments
363064	Bullhead Lake - Deep Hole	
363080	Silver Lake - Deep Hole-West Basin	

Assessment Units			
WBIC	Segment	Local Name	Official Name
67300	1	Silver Creek	Silver Creek

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67400	1	Silver Lake	Silver Lake
68300	1	Bullhead Lake	Bullhead Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
SS001	BULLHEAD/SILVER LAKE SEDIMENT	1/1/1960	6/30/1997

Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
9/30/1991	COMPLETE	B-1 0-1	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 18-20	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 20-22	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 23-24	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 26-28	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 30-32	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 36-38	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 42-44	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 46-48	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 50-52	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 56-58	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 58-60	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 68-70	363064	Bullhead Lake - Deep Hole
9/30/1991	COMPLETE	B-1 9-11	363064	Bullhead Lake - Deep Hole
11/1/1995	COMPLETE	SL-2 1-3	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 11-12	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 21-22	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 26-27	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 28-29	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 31-32	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 41-42	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 46-47	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 50-52	363080	Silver Lake - Deep Hole-West Basin

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11/1/1995	COMPLETE	SL-2 54-56	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 58-60	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 64-66	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 70-72	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 80-82	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL-2 90-92	363080	Silver Lake - Deep Hole-West Basin
11/1/1995	COMPLETE	SL2 98-100	363080	Silver Lake - Deep Hole-West Basin

Documents

Title	Description	Author	Published	Comments
Paleoecological Study of Bullhead Lake, Manitowoc County	PUB-SS-1039 2008. A sediment core was collected from the deepest area of the lake on 30 September 1991. The core was dated by the 210Pb method and the CRS model used to estimate dates and sedimentation rate. The diatom community was analyzed to assess changes in nutrient levels and changes in the macrophyte community and geochemical elements were examined to determine the causes of changes in the water quality.	Paul Garrison	4/1/2008	
The Restoration of Silver Lake, Manitowoc County	Silver Lake Restoration report. Includes summary of restoration and financial sources. Figure 5 a summary of SWIMS station 363312 sediment core samples.	Paul Garrison, Mary Gansberg, Steve Hogler, David Pozorski, Paul Cunningham And Carroll Schaal	3/1/2009	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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