

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL-041 (2008-1)

Name: PARK LANE MANAGEMENT DISTRICT: Park Lane Watershed and Water Quality Assessment Study

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/1991

End Date: 12/31/1995

Purpose: Hydrologic budget will be evaluated on watershed delineation on a topographic map; collection of evaporation and precipitation data; computation of lake stage and storage through use of recording guage and bathymetric map. Phosphorus budget will be developed by: collection of approximately 60 samples from Fox River inflow to be analyzed for phosphorus concentration; monitoring of in-lake water-column phosphorus at two sites as described in part II, #2 of project proposal in application; estimation of internal phosphorus loading from bottom sediments; monthly sampling of phosphorus concentration in lake outflow. Quantification of lake water chemistry by periodic sample collection and depth profiles; data collected will be reported to DNR and published in USGS annual report. Information will be disseminated to the public through public meetings, newsletter mailings and local media. Project results will be reposted at:

Objective:

Comments: Grantee is PARK LANE MANAGEMENT DISTRICT

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Park Lake Management District,	GRANT_RECIPIENT	ACTIVE	4/1/1991	12/31/1995	Park Lake Management District	
USGS,	OTHER	COMPLETE	4/1/1991	12/31/1995	U.S. Geological Survey	

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Nutrient Budget Development	10100509	4/1/1991		PROPOSED

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Grant Awarded	Hydrologic budget will be evaluated on watershed delineation on a topographic map; collection of evaporation and precipitation data; computation of lake stage and storage through use of recording guage and bathymetric map. Phosphorus budget will bedeveloped by: collection of approximately 60 samples from Fox River inflow to be analyzed for phosphorus concentration; monitoring of in-lake water-column phosphorus at two sites as described in part II, #2 of project proposal in application; estimationof internal phosphorus loading from bottom sediments; monthly sampling of phosphorus concentration in lake outflow. Quantification of lake water chemistry by periodic sample collection and depth profiles; data collected will be reported to DNR andpublished in USGS annual report. Information will be disseminated to the public through public meetings, newsletter mailings and local media.	4/1/1991		COMPLETE
Data analysis, report production	10100509	4/1/1991		PROPOSED
Monitor Water Quality or Sediment		4/1/1991	12/31/1995	PROPOSED
Monitor Water Level		4/1/1991	12/31/1995	PROPOSED
Hydrologic Budget Development	10100509	4/1/1991		PROPOSED
Watershed Mapping or Assessment	10100509	4/1/1991		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
180300	1	Park Lake	Park Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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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
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Documents

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Title	Description	Author	Published	Comments
Hydrology and Water Quality of Park Lake, South-Central Wisconsin	Fact sheet describing the lake and its watershed; data collection and analysis; hydrology; phosphorus loading and lake water quality. Park Lake is a eutrophic lake with perceived water-quality problems that are due primarily to large inputs of phosphorus from its watershed. The major source of phosphorus in the lake is the Fox River. Large quantities of phosphorus are delivered to and pass through the lake during relatively short periods of overland runoff, but phosphorus loads delivered during periods of low flow are sufficient to cause eutrophic conditions and poor water quality as measured by trophic state index and Lillie and Mason's water quality index.	USGS	12/31/1995	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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