

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-951-04  
**Name:** LAKE BEULAH MANAGEMENT DISTRICT: Lake Beulah Groundwater Modeling & Mapping  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 04/01/2004  
**End Date:** 06/30/2006  
**Purpose:** The LBMD will undertake a project to understand the hydrology and hydrologic response of the Lake Beulah subwatershed. Piezometers will be installed at various locations around the lake, inlet/outlet monitoring will be conducted and a water budget for Lake Beulah will be established. The project deliverable for this grant will be the submittal of two paper copies and one electronic copy (on a CD-ROM) of the final report to the WDNR. The final report will contain the following elements: 1) Summarized raw data for the piezometers; 2) Summarized inflow/outflow data; 3) Estimates of precipitation, evaporation and overland flow; 4) Modeling of groundwater contribution and aerial distribution to Lake Beulah; 5) a discussion of the accuracy of the model and 6) Results of simulations conducted on the model to evaluate impacts to the lake and groundwater during stresses (such as a high capacity well withdrawal).  
**Objective:**  
**Comments:** Grantee is LAKE BEULAH MANAGEMENT DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Lake Beulah Management Di	GRANT_RECIP	ACTIVE	04/01/2004	06/30/2006	Lake Beulah Management District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Water Quality Modeling		04/01/2004	06/30/2006	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Grant Awarded	The LBMD will undertake a project to understand the hydrology and hydrologic response of the Lake Beulah subwatershed. Piezometers will be installed at various locations around the lake, inlet/outlet monitoring will be conducted and a water budget for Lake Beulah will be established. The project deliverable for this grant will be the submittal of two paper copies and one electronic copy (on a CD-ROM) of the final report to the WDNR. The final report will contain the following elements: 1) Summarized raw data for the piezometers; 2) Summarized inflow/outflow data; 3) Estimates of precipitation, evaporation and overland flow; 4) Modeling of groundwater contribution and aerial distribution to Lake Beulah; 5) a discussion of the accuracy of the model and 6) Results of simulations conducted on the model to evaluate impacts to the lake and groundwater during stresses (such as a high capacity well withdrawal).	04/01/2004		COMPLETE
Hydrologic Budget Development	10100389	04/01/2004		PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
766600	1	Beulah Lake	Lake Beulah

### 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	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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### Documents

Title	Description	Author	Published	Comments
LAKE BEULAH GROUNDWATER MODELING & MAPPING	Lakes Planning Report	Grant Recipient	12/31/2005	

### Budget

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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