

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1231-08

Name: LAKE BEULAH MANAGEMENT DISTRICT: Lake Beulah Water Quality Monitoring

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2008

End Date: 12/31/2009

Purpose: The Lake Beulah Management District will hire contractors to monitor water quality to evaluate impacts to the lake such as surface water runoff and stress to the aquifer. The District would also like to study the question of whether chemical constituents can be used as tracers for groundwater in a lake. The final report will contain the following elements: 1)Results of surface water chemistry monitoring, to include two lake sites 2)Results of streamflow and stream chemistry monitoring 3)Results of private well and piezometer monitoring (5 nests) 4)Results of lake bed temperature probes (2) monitoring 5)Development of a database regarding the quality of the groundwater and surface water discharging into the lake and the natural fluctuations of the temperature of the discharging groundwater
Two paper copies and one electronic copy of the final plan (including an electronic copy of the database) will be provided to the department. Exact details for all deliverables are described in the project description of grant application.

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 Distric | GRANT_RECIPIENT | ACTIVE | 4/1/2008 | 12/31/2009 | Lake Beulah Management District | |
| USGS, | TEAM_MEMBER | ACTIVE | 4/1/2008 | 12/31/2009 | U.S. Geological Survey | |

Project Statuses

| Date | Reported By | Status | Comments |
|------|-------------|--------|----------|
|------|-------------|--------|----------|

Actions

| Action | Detailed Description | Start Date | End Date | Status |
|---------------|--|------------|------------|----------|
| Grant Awarded | The Lake Beulah Management District will hire contractors to monitor water quality to evaluate impacts to the lake such as surface water runoff and stress to the aquifer. The District would also like to study the question of whether chemical constituents can be used as tracers for groundwater in a lake. | 4/1/2008 | 12/31/2009 | COMPLETE |
| Grant Awarded | The Lake Beulah Management District will hire contractors to monitor water quality to evaluate impacts to the lake such as surface water runoff and stress to the aquifer. The District would also like to study the question of whether chemical constituents can be used as tracers for groundwater in a lake. | 4/1/2008 | 12/31/2009 | COMPLETE |

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| | | | |
|-----------------------------------|----------|----------|----------|
| Monitor Water Quality or Sediment | 22889029 | 4/1/2008 | PROPOSED |
|-----------------------------------|----------|----------|----------|

Monitoring Stations

| Station ID | Name | Comments |
|------------|-------------------------------------|----------|
| 653121 | Lake Beulah - Station 1 - Deep Hole | |
| 653135 | Lake Beulah - Station 2 | |
| 10037045 | Lake Beulah at Stringers Bridge Rd | |

Assessment Units

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

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

Methods

| Method Code | Method Description |
|-------------|--------------------|
|-------------|--------------------|

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------------|----------|----------|------------|-------------------------------------|
| 8/26/2008 7:15 | COMPLETE | B1 | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 8/26/2008 12:20 | COMPLETE | S5 | 653135 | Lake Beulah - Station 2 |
| 8/26/2008 13:21 | COMPLETE | I1 | 10037045 | Lake Beulah at Stringers Bridge Rd |
| 11/19/2008 11:07 | COMPLETE | D1 | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 11/19/2008 11:37 | COMPLETE | S1 | 653135 | Lake Beulah - Station 2 |
| 2/22/2009 12:15 | COMPLETE | B | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 2/23/2009 10:33 | COMPLETE | D3 | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 2/23/2009 12:20 | COMPLETE | S2 | 653135 | Lake Beulah - Station 2 |
| 4/8/2009 14:15 | COMPLETE | D1 | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 4/8/2009 15:05 | COMPLETE | S1 | 653135 | Lake Beulah - Station 2 |
| 4/8/2009 15:56 | COMPLETE | I1 | 10037045 | Lake Beulah at Stringers Bridge Rd |
| 8/20/2009 14:00 | COMPLETE | D1-B | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 8/24/2009 10:14 | COMPLETE | D3 | 653121 | Lake Beulah - Station 1 - Deep Hole |
| 8/24/2009 11:50 | COMPLETE | S5 | 653135 | Lake Beulah - Station 2 |

Documents

| Title | Description | Author | Published | Comments |
|-------|-------------|--------|-----------|----------|
|-------|-------------|--------|-----------|----------|

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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|