

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-892-03
Name: MERCER LAKE ASSOCIATION: Mercer Lake Association Paleocore Analysis
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 04/01/2003
End Date: 12/31/2005
Purpose: The Mercer Lake Association is sponsoring a project which will complete a sediment core analysis to address existing water quality questions and assist in future planning efforts. The project includes a detailed core analysis on Mercer Lake and a less detailed, pre and post development analysis on Grand Portage Lake. Deliverables include: a written report detailing water quality changes found in both cores and an analysis of the significance of findings. This report will be shared with the public via press releases to surrounding communities, archived at the local library and presentation at the Mercer Lake Association annual meeting. This report will be provided to the Department in electronic (pdf) and hard copy format.

***Please note that approval of the final report for final payment by the Lake Grant Program does not indicate Department approval of recommendations or strategies within the report.

**Paul Garrison, DNR Research, will handle SLOH costs associated with this project via individual contract with the SLOH and with the Mercer Lake Association.

Objective:
Comments: Grantee is MERCER LAKE ASSOCIATION
Outcome:
Study Design:
QA Measures:

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|--------------------------|-------------|--------|------------|------------|-------------------------|----------|
| Mercer Lake Association, | GRANT_RECIP | ACTIVE | 04/01/2003 | 12/31/2005 | Mercer Lake Association | |

Project Statuses

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

Actions

| Action | Detailed Description | Start | End Date | Status |
|--------------------------|----------------------|------------|------------|----------|
| Issue News/Media Release | | 04/01/2003 | 12/31/2005 | PROPOSED |
| Project Deliverable | Final Report | 04/01/2003 | 12/31/2005 | PROPOSED |
| Informational Meetings | | 04/01/2003 | 12/31/2005 | PROPOSED |

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| Action | Detailed Description | Start | End Date | Status |
|----------------------|--|------------|------------|----------|
| Grant Awarded | <p>The Mercer Lake Association is sponsoring a project which will complete a sediment core analysis to address existing water quality questions and assist in future planning efforts. The project includes a detailed core analysis on Mercer Lake and a less detailed, pre and post development analysis on Grand Portage Lake. Deliverables include: a written report detailing water quality changes found in both cores and an analysis of the significance of findings. This report will be shared with the public via press releases to surrounding communities, archived at the local library and presentation at the Mercer Lake Association annual meeting. This report will be provided to the Department in electronic (pdf) and hard copy format.</p> <p>***Please note that approval of the final report for final payment by the Lake Grant Program does not indicate Department approval of recommendations or strategies within the report.</p> <p>**Paul Garrison, DNR Research, will handle SLOH costs associated with this project via individual contract with the SLOH and with the Mercer Lake Association.</p> | 04/01/2003 | | COMPLETE |
| Lakes Planning Grant | | 04/01/2003 | 12/31/2005 | PROPOSED |
| Monitor Paleocore | | 04/01/2003 | 12/31/2005 | PROPOSED |

Monitoring Stations

| Station ID | Name | Comments |
|------------|------|----------|
|------------|------|----------|

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|---------------------|---------------------|
| 2312800 | 1 | Little Turtle River | Little Turtle River |
| 2313600 | 1 | Mercer Lake | Mercer Lake |

Lab Account Codes

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

Forms

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

Methods

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

Fieldwork Events

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| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

Documents

| Title | Description | Author | Published | Comments |
|---|---|---------------|------------|----------|
| Paleoecological Study of Mercer and Grand Portage Lakes, Iron County, Wisconsin | Lakes Planning Report. PUB-SS-1013 Paul Garrison 2005. A sediment core each was collected from the deep area of Mercer Lake and the northern basin of Grand Portage(Tank) Lake on 9 July 2003. The cores were 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 and changes in oxygen conditions in the bottom waters. | Paul Garrison | 06/01/2005 | |

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

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