

Wisconsin Department of Natural Resources  
SWIMS Project Summary

General Project Information

**Project ID:** LPL-411

**Name:** MANITOWOC COUNTY: Manitowoc County Lake Watershed Management Planning

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 10/1/1996

**End Date:** 6/30/2000

**Purpose:** Manitowoc County proposes to assist its lake associations (eg., Silver, Hartlaub, English, and Bullhead) in lake watershed management planning activities. Project activities include developing GIS capabilities for analyzing and tracking lake information, inventorying the identified lakes' watersheds, consulting with rural landowners for installation of best management practices, and analysis of data collected. The sponsor will provide the Department of Natural Resources with a paper copy and an electronic copy of the final report summarizing the project's results. Information about the project results will be disseminated to the public by newsletter mailing and public meeting.

**Objective:**

**Comments:** Grantee is MANITOWOC COUNTY

**Outcome:**

**Study Design:**

**QA Measures:**

People

| Name              | Role            | Status | Start Date | End Date  | Organization     | Comments |
|-------------------|-----------------|--------|------------|-----------|------------------|----------|
| MANITOWOC COUNTY, | GRANT_RECIPIENT | ACTIVE | 10/1/1996  | 6/30/2000 | MANITOWOC COUNTY |          |

Project Statuses

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

Actions

| Action                          | Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Start Date | End Date  | Status   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|----------|
| Grant Awarded                   | Manitowoc County proposes to assist its lake associations (eg., Silver, Hartlaub, English, and Bullhead) in lake watershed management planning activities. Project activities include developing GIS capabilities for analyzing and tracking lake information, inventorying the identified lakes' watersheds, consulting with rural landowners for installation of best management practices, and analysis of data collected. The sponsor will provide the Department of Natural Resources with a paper copy and an electronic copy of the final report summarizing the project's results. Information about the project results will be disseminated to the public by newsletter mailing and public meeting. | 10/1/1996  |           | COMPLETE |
| Watershed Mapping or Assessment |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10/1/1996  | 6/30/2000 | PROPOSED |

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| Monitoring Stations |         |                                             |                   |
|---------------------|---------|---------------------------------------------|-------------------|
| Station ID          | Name    |                                             | Comments          |
| Assessment Units    |         |                                             |                   |
| WBIC                | Segment | Local Name                                  | Official Name     |
| 20                  | 5       | Fischer Park Beaches, Lake Michigan         | Lake Michigan     |
| 20                  | 6       | Hika Park Bay Beach, Lake Michigan          | Lake Michigan     |
| 20                  | 7       | Red Arrow Park Beach, Lake Michigan         | Lake Michigan     |
| 20                  | 8       | Ymca Beach, Lake Michigan                   | Lake Michigan     |
| 20                  | 9       | Memorial Drive Wayside Beach, Lake Michigan | Lake Michigan     |
| 20                  | 12      | Lake Michigan                               | Lake Michigan     |
| 20                  | 31      | Warm Water Beach, Lake Michigan             | Lake Michigan     |
| 45                  | 1       | Manitowoc Harbor                            | Manitowoc Harbor  |
| 47                  | 1       | Two Rivers Harbor                           | Two Rivers Harbor |
| 45100               | 1       | Cedar Lake                                  | Cedar Lake        |
| 45400               | 1       | Glomski Lake                                | Glomski Lake      |
| 45500               | 1       | Graf Lake (Long)                            | Graf Lake         |
| 45700               | 1       | Inch Lake                                   | Unnamed           |
| 45800               | 1       | Kasbaum Lake                                | Kasbaum Lake      |
| 45900               | 1       | Lindeman Lake                               | Lindeman Lake     |
| 46200               | 1       | Little Sly Lake                             | Little Sy Lake    |
| 46300               | 1       | Ranger Lake                                 | Ranger Lake       |
| 46400               | 1       | Scout Lake                                  | Scout Lake        |
| 46700               | 1       | Shoe Lake                                   | Shoe Lake         |
| 48300               | 1       | Unnamed Lake                                | Unnamed           |
| 48400               | 1       | Un Lake                                     | Unnamed           |
| 48500               | 1       | Un Lake                                     | Unnamed           |
| 48600               | 1       | Un Lake                                     | Unnamed           |
| 48700               | 1       | Un Lake                                     | Unnamed           |
| 48750               | 1       | Un Lake                                     | Unnamed           |
| 48760               | 1       | Un Lake                                     | Unnamed           |
| 48790               | 1       | Un Lake                                     | Unnamed           |
| 48800               | 1       | Un Lake                                     | Unnamed           |
| 48900               | 1       | Un Lake                                     | Unnamed           |
| 49000               | 1       | Un Lake                                     | Unnamed           |
| 49100               | 1       | Un Lake                                     | Unnamed           |

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|       |   |                                                                              |                     |
|-------|---|------------------------------------------------------------------------------|---------------------|
| 49300 | 1 | West Lake                                                                    | West Lake           |
| 49400 | 1 | Weyers Lake                                                                  | Weyers Lake         |
| 50700 | 3 | Sheboygan River                                                              | Sheboygan River     |
| 57200 | 1 | Millhome Creek                                                               | Millhome Creek      |
| 57800 | 1 | Unnamed Tributary To Sheboygan River<br>(Gooseville Creek), Manitowoc County | Unnamed             |
| 57900 | 1 | Sy Lake                                                                      | Sy Lake             |
| 58000 | 1 | Wilke Lake                                                                   | Wilke Lake          |
| 58200 | 1 | Praeder Lake                                                                 | Prueder Lake        |
| 58400 | 1 | Rockville Flowage                                                            | Rockville Flowage   |
| 62300 | 2 | Pigeon River                                                                 | Pigeon River        |
| 62900 | 1 | Meeme R.                                                                     | Meeme River         |
| 63000 | 2 | Unnamed Alternate Trib Direction                                             | Unnamed             |
| 63100 | 1 | Un Lake                                                                      | Unnamed             |
| 63200 | 1 | Unnamed Creek To Spring Lake                                                 | Unnamed             |
| 63600 | 1 | Un Spring                                                                    | Un Spring           |
| 63700 | 1 | Spring Lake                                                                  | Spring Lake         |
| 63800 | 1 | Little Pigeon Lake                                                           | Little Pigeon Lake  |
| 64000 | 1 | Pigeon Lake                                                                  | Pigeon Lake         |
| 64100 | 1 | Unnamed Cr. To Pigeon River                                                  | Unnamed             |
| 64200 | 1 | Horseshoe Lake                                                               | Horseshoe Lake      |
| 64300 | 1 | Karstaedt Lake                                                               | Karstaedt Lake      |
| 64400 | 1 | Unnamed Cr To Pigeon River                                                   | Unnamed             |
| 64600 | 1 | Spring Pond                                                                  | Spring Pond         |
| 65600 | 1 | Centerville Flowage                                                          | Centerville Flowage |
| 65700 | 1 | Unnamed Trib                                                                 | Unnamed             |
| 65800 | 1 | Fischer Creek                                                                | Fischer Creek       |
| 66000 | 1 | Point Creek                                                                  | Point Creek         |
| 66100 | 1 | Unnamed Trib (T18n, R23e, S32)                                               | Unnamed             |
| 66200 | 1 | Un Lake                                                                      | Unnamed             |
| 66300 | 1 | Pine Creek                                                                   | Pine Creek          |
| 66300 | 2 | Pine Creek                                                                   | Pine Creek          |
| 66400 | 1 | Unnamed Trib (T18n, R23e, S27)                                               | Unnamed             |
| 66500 | 1 | Un Trib (T18n, R23e, S22)                                                    | Unnamed             |
| 66600 | 1 | Grosshuesch Lake                                                             | Grosshuesch Lake    |
| 66700 | 1 | Waack Lake                                                                   | Waack Lake          |

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|       |   |                                |                  |
|-------|---|--------------------------------|------------------|
| 66800 | 1 | Carstens Lake                  | Carstens Lake    |
| 66900 | 1 | Calvin Creek                   | Calvin Creek     |
| 67100 | 1 | Gass Lake                      | Gass Lake        |
| 67200 | 1 | Hartlaub Lake                  | Hartlaub Lake    |
| 67300 | 1 | Silver Creek                   | Silver Creek     |
| 67400 | 1 | Silver Lake                    | Silver Lake      |
| 67500 | 1 | Unnamed Trib (T19n, R23e, S28) | Unnamed          |
| 67600 | 1 | Unnamed Trib (T19n, R23e, S28) | Unnamed          |
| 67700 | 1 | Teek Lake                      | Teek Lake        |
| 67900 | 1 | Vetting Lake                   | Vetting Lake     |
| 68000 | 1 | Unnamed Trib (T18n, R23e, S07) | Unnamed          |
| 68100 | 1 | English Lake                   | English Lake     |
| 68300 | 1 | Bullhead Lake                  | Bullhead Lake    |
| 68400 | 1 | North Eaton Twin Lake          | Eaton Twin Lakes |
| 68500 | 1 | Quarry Lake                    | Quarry Lake      |
| 68700 | 1 | South Eaton Twin Lake          | Eaton Twin Lakes |
| 68800 | 1 | Un Lake                        | Unnamed          |
| 68900 | 1 | Un Lake                        | Unnamed          |
| 69000 | 1 | Un Lake                        | Unnamed          |
| 69200 | 1 | Un Lake                        | Unnamed          |
| 69300 | 1 | Un Lake                        | Unnamed          |
| 69400 | 1 | Un Lake                        | Unnamed          |
| 69600 | 1 | Un Lake                        | Unnamed          |
| 69800 | 1 | Un Lake                        | Unnamed          |
| 69900 | 1 | Un Lake                        | Unnamed          |
| 70000 | 1 | Un Lake                        | Unnamed          |
| 70100 | 1 | Un Lake                        | Unnamed          |
| 70200 | 1 | Un Lake                        | Unnamed          |
| 70500 | 1 | Un Lake                        | Unnamed          |
| 70600 | 1 | Un Lake                        | Unnamed          |
| 70700 | 1 | Un Lake                        | Unnamed          |
| 70800 | 1 | Un Lake                        | Unnamed          |
| 70900 | 1 | Un Spring                      | Un Spring        |
| 71000 | 1 | Manitowoc River (Main Stem)    | Manitowoc River  |
| 71000 | 2 | Manitowoc River                | Manitowoc River  |

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|       |   |                                                     |                   |
|-------|---|-----------------------------------------------------|-------------------|
| 71000 | 3 | Manitowoc River                                     | Manitowoc River   |
| 71300 | 1 | Branch River (Main Stem)                            | Branch River      |
| 71300 | 2 | Branch River                                        | Branch River      |
| 71300 | 3 | Branch River                                        | Branch River      |
| 71400 | 1 | Unnamed Creek (T20n R22e S24)                       | Unnamed           |
| 71500 | 1 | Unnamed Creek (T20n R22e S27)                       | Unnamed           |
| 71600 | 1 | Unnamed Stream (T19n, R22e, S3)                     | Unnamed           |
| 71700 | 1 | Hemptions Lake                                      | Hempton Lake      |
| 71800 | 1 | Unnamed Creek (T20n R22e S7)                        | Unnamed           |
| 71900 | 1 | Unnamed Creek (T20n R22e S20 Nese)                  | Unnamed           |
| 72100 | 1 | Kellners Lake                                       | Kellners Lake     |
| 72400 | 1 | Unnamed Trib (T19n R22e S17)                        | Unnamed           |
| 72500 | 1 | Un Lake                                             | Unnamed           |
| 72600 | 1 | Schisel Creek                                       | Unnamed           |
| 72600 | 2 | Schisel Creek                                       | Unnamed           |
| 72700 | 1 | Bergene Lake                                        | Bergene Lake      |
| 72800 | 1 | Schisel Lake                                        | Schisel Lake      |
| 73100 | 1 | Clarks Mills Pond                                   | Clarks Mills Pond |
| 73500 | 1 | Unnamed Creek (T19n R22e S31)                       | Unnamed           |
| 73600 | 1 | Mud Creek (Left, Hills) T18n, R21e, S12             | Mud Creek         |
| 73700 | 1 | Unnamed Creek (T18n, R21e, S13) Trib To St. Nazianz | Unnamed           |
| 73800 | 1 | Unnamed Trib (T18n, R21e, S13)                      | Unnamed           |
| 74000 | 1 | Neumeyer Lake                                       | Neumeyer Lake     |
| 74100 | 1 | Un Lake                                             | Unnamed           |
| 74200 | 1 | Un Lake                                             | Unnamed           |
| 74300 | 1 | Lake Mary                                           | Lake Oswald       |
| 74400 | 1 | Unnamed Trib (T18n, R21e, S14)                      | Unnamed           |
| 74500 | 1 | Unnamed Trib (T18n, R22e, S15)                      | Unnamed           |
| 74600 | 1 | Unnamed Trib (T18n, R22e, S22)                      | Unnamed           |
| 74700 | 1 | Fenske Lake                                         | Fenske Lake       |
| 74800 | 1 | Lutzke Lake                                         | Lutzke Lakes      |
| 74900 | 1 | South Lutzke Lake                                   | South Lutzke Lake |
| 75000 | 1 | Mud Creek (Reedsville) T19n, R21e, S34              | Mud Creek         |
| 75300 | 1 | Unnamed Trib (T19n, R21e, S23)                      | Unnamed           |
| 75500 | 1 | Unnamed Trib (T19n, R21e, S02)                      | Unnamed           |

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|       |   |                                   |                              |
|-------|---|-----------------------------------|------------------------------|
| 75600 | 1 | Unnamed Trib (T19n, R21e, S23)    | Unnamed                      |
| 75700 | 1 | Unnamed Creek (T18n, R21e, S23)   | Unnamed                      |
| 77100 | 1 | Unnamed Creek (T20n T20e S34)     | Unnamed                      |
| 77500 | 1 | Long Lake (Big Long)              | Long Lake                    |
| 77600 | 1 | Boot Lake                         | Boot Lake                    |
| 77900 | 1 | Manitowoc R. So. Branch           | South Branch Manitowoc River |
| 78700 | 1 | Cedar Creek                       | Cedar Creek                  |
| 78900 | 1 | Hayton Creek                      | Hayton Creek                 |
| 79100 | 1 | Un Lake                           | Unnamed                      |
| 79300 | 1 | Steinthal Lake                    | Steinthal Lake               |
| 79500 | 1 | Peterson Lake                     | Peterson Lake                |
| 79600 | 1 | Mud Lake                          | Mud Lake                     |
| 82500 | 1 | Little Manitowoc River            | Little Manitowoc River       |
| 82700 | 1 | Un Spring                         | Un Spring                    |
| 82800 | 1 | Hidden Lake (Turtle)              | Hidden Lake                  |
| 83200 | 1 | Un Lake                           | Unnamed                      |
| 83300 | 1 | Un Lake                           | Unnamed                      |
| 83400 | 1 | Un Lake                           | Unnamed                      |
| 83500 | 1 | Un Lake                           | Unnamed                      |
| 83600 | 1 | Un Lake                           | Unnamed                      |
| 83700 | 1 | Un Lake                           | Unnamed                      |
| 84000 | 1 | East Twin River                   | East Twin River              |
| 84000 | 2 | East Twin River                   | East Twin River              |
| 84100 | 1 | Johnson Creek                     | Johnson Creek                |
| 84300 | 1 | Jambo Creek                       | Jambo Creek                  |
| 84300 | 2 | Jambo Creek                       | Jambo Creek                  |
| 84400 | 1 | Unnamed Trib T21n, R23e, S15 Nene | Unnamed                      |
| 84500 | 1 | Unnamed Trib T21n, R23e S09 Ssw   | Unnamed                      |
| 84600 | 1 | Harpt Lake                        | Harpt Lake                   |
| 84700 | 1 | Mott Lake                         | Mott Lake                    |
| 85500 | 1 | Tisch Mills Creek                 | Tisch Mills Creek            |
| 86000 | 1 | Unnamed Trib 22n, 24e, 32swne     | Unnamed                      |
| 86100 | 1 | Unnamed Trib 21n, 24e, 4 Nwnw     | Unnamed                      |
| 87000 | 1 | West Twin River                   | West Twin River              |
| 87000 | 2 | West Twin River                   | West Twin River              |

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|         |   |                                                   |                 |
|---------|---|---------------------------------------------------|-----------------|
| 87000   | 3 | West Twin River                                   | West Twin River |
| 87000   | 4 | West Twin River                                   | West Twin River |
| 87000   | 5 | West Twin River                                   | West Twin River |
| 87000   | 6 | West Twin River                                   | West Twin River |
| 87300   | 1 | Shoto Lake (Impoundment)                          | Shoto Lake      |
| 87500   | 1 | Unnamed Trib. T20n, R24e, S30 Sene                | Unnamed         |
| 87600   | 1 | Francis Creek                                     | Francis Creek   |
| 87700   | 1 | Unnamed Trib T20n, R23e, S11swne                  | Unnamed         |
| 87800   | 1 | Unnamed Trib.T 21n, R23e, S29 Nenw                | Unnamed         |
| 87900   | 1 | Tuma Lake (Ording)                                | Tuma Lake       |
| 88000   | 1 | Kriwanek Creek                                    | Kriwanek Creek  |
| 88000   | 2 | Kriwanek Creek                                    | Kriwanek Creek  |
| 88000   | 3 | Kriwanek Creek                                    | Kriwanek Creek  |
| 88200   | 1 | Neshota River                                     | Neshota River   |
| 88300   | 1 | Black Cr (Buck Creek)                             | Black Creek     |
| 89900   | 1 | Devil's River                                     | Devils River    |
| 89900   | 2 | Devils River                                      | Devils River    |
| 90000   | 1 | Unnamed Trib to Devils River T21n, R22e, S09 Nwnw | Unnamed         |
| 90100   | 1 | Molash Creek                                      | Molash Creek    |
| 90300   | 1 | Unnamed Stream T21nr24e S25                       | Unnamed         |
| 3000463 | 1 | Unnamed Lake                                      | Unnamed         |
| 5025264 | 1 | Osman Trib to Meeme River                         | Unnamed         |
| 5552131 | 1 | Local Water                                       | Unnamed         |
| 5552146 | 1 | Local Water                                       | Unnamed         |
| 5552197 | 1 | Local Water                                       | Unnamed         |
| 5552234 | 1 | Local Water                                       | Unnamed         |
| 5552390 | 1 | Local Water                                       | Unnamed         |
| 5553101 | 1 | Local Water                                       | Unnamed         |
| 5553302 | 1 | Local Water                                       | Unnamed         |
| 5553409 | 1 | Local Water                                       | Unnamed         |
| 5553470 | 1 | Local Water                                       | Unnamed         |
| 5553480 | 1 | Local Water                                       | Unnamed         |
| 5553513 | 1 | Local Water                                       | Unnamed         |
| 5553561 | 1 | Local Water                                       | Unnamed         |
| 5553597 | 1 | Local Water                                       | Unnamed         |

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|         |   |             |         |
|---------|---|-------------|---------|
| 5553611 | 1 | Local Water | Unnamed |
| 5553786 | 1 | Local Water | Unnamed |
| 5553805 | 1 | Local Water | Unnamed |
| 5553824 | 1 | Local Water | Unnamed |
| 5553828 | 1 | Local Water | Unnamed |
| 5553876 | 1 | Local Water | Unnamed |
| 5553929 | 1 | Local Water | Unnamed |
| 5553945 | 1 | Local Water | Unnamed |
| 5553957 | 1 | Local Water | Unnamed |
| 5553972 | 1 | Local Water | Unnamed |
| 5554006 | 1 | Local Water | Unnamed |
| 5554866 | 1 | Local Water | Unnamed |
| 5555058 | 1 | Local Water | Unnamed |
| 5555145 | 1 | Local Water | Unnamed |
| 5555377 | 1 | Local Water | Unnamed |
| 5555470 | 1 | Local Water | Unnamed |
| 5556014 | 1 | Local Water | Unnamed |
| 5556107 | 1 | Local Water | Unnamed |
| 5556212 | 1 | Local Water | Unnamed |
| 5556441 | 1 | Local Water | Unnamed |
| 5556503 | 1 | Local Water | Unnamed |
| 5556521 | 1 | Local Water | Unnamed |
| 5556527 | 1 | Local Water | Unnamed |
| 5557249 | 1 | Local Water | Unnamed |
| 5557522 | 1 | Local Water | Unnamed |
| 5557837 | 1 | Local Water | Unnamed |
| 5558278 | 1 | Local Water | Unnamed |
| 5558375 | 1 | Local Water | Unnamed |
| 5558388 | 1 | Local Water | Unnamed |
| 5558444 | 1 | Local Water | Unnamed |
| 5558511 | 1 | Local Water | Unnamed |
| 5558574 | 1 | Local Water | Unnamed |
| 5558645 | 1 | Local Water | Unnamed |
| 5558695 | 1 | Local Water | Unnamed |
| 5558738 | 1 | Local Water | Unnamed |

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|         |   |             |         |
|---------|---|-------------|---------|
| 5558760 | 1 | Local Water | Unnamed |
| 5559316 | 1 | Local Water | Unnamed |
| 5559317 | 1 | Local Water | Unnamed |
| 5559640 | 1 | Local Water | Unnamed |
| 5560113 | 1 | Local Water | Unnamed |
| 5560194 | 1 | Local Water | Unnamed |
| 5560290 | 1 | Local Water | Unnamed |
| 5560292 | 1 | Local Water | Unnamed |
| 5586096 | 1 | Local Water | Unnamed |
| 5586342 | 1 | Local Water | Unnamed |
| 5586350 | 1 | Local Water | Unnamed |
| 5586381 | 1 | Local Water | Unnamed |
| 5589082 | 1 | Local Water | Unnamed |

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 |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

Documents

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

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

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