

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SCR_16_CMP13B

Name: Fish, Mud and Crystal Lakes Monitoring

Type: TMDL/303d Projects

Subtype: Identify Impaired Waters

Status: COMPLETE

Start Date: 1/1/2013

End Date: 12/31/2014

Purpose: This project request is for DNR Water Resources support for Unmuth and interns just for travel costs and lunches to guide and assist the County and other cooperators to collect water quality/chemistry, algae and plants for 3 Dane Co. lakes. This project is proposed for a two year period.

Dane County Land and Water Conservation Department will apply for a DNR lakes large planning grant on February 1, 2013, to collect water quality/chemistry, collect algal samples from Fish, Mud and Crystal Lakes in Dane County. In addition the grant monitoring will include an aquatic macrophyte survey of Mud Lake. At the same time DNR Fish Management proposes to monitor fishes in all three lakes, and proposes to rotenone Mud Lake by late 2014 - early 2015. Project information we will be used to help the County to develop property management plans around the lakes, and help DNR biologists evaluate the lakes for impairments and determine if the lakes are meeting designated uses. The monitoring will provide baseline data prior to the proposed rotenone project in Mud Lake, and provide baseline data on Crystal Lake prior to granting of a permit for the lake district to reduce water levels by pumping. Mud Lake has not been monitored for water quality, and a plant survey has not been completed since 1994. Fish and Crystal Lakes were last monitored in 2005, and at the time data indicated water quality was declining in both lakes.

Objective: Water bodies included in the proposal are Mud Lake (WBIC:1006500), Fish Lake (WBIC: 985100), and Crystal Lake (WBIC: 978900), at the deep hole in each lake.

Management questions that will be addressed for Mud Lake are as follows.

1. What is the trophic status of the lake, and has it changed? 2. Is it meeting a designated use? 3. To gather baseline data prior to rotenone application to assist with fish and aquatic habitat management planning once rotenoned. 4. Does it qualify as impaired. 4. Determine public health status in terms of algae. 5. Use the information to help guide the Dane County master planning process for the property. 6. Information on aquatic vegetation to compare to a survey done in 1994 before lake water quality began to decline.

A baseline survey of water quality of Mud Lake has not been done, only a single sample was collected in 1997 after a major event led to a fish exodus through the culverts into Fish Lake, and observed poor water quality almost overnight. Mud lake has not been monitored to determine if it is meeting its designated use. It has not been monitored for aquatic plants since 1994. Since the 1970's Mud Lake water levels have risen, and extensive beds of emergent vegetation disappeared. Subsequently the lake was pumped to relieve flooding. In the mid-1990's the lake began to have frequent fish kills and heavy algal blooms. DNR staff have experienced rashes symptomatic of blue green blooms while wading near shore.

Management questions that will be addressed for Fish Lake are as follows 1. Determine if lake water quality is declining, and identify possible causes. 2. Determine if the lake impaired. 3. Determine if it is meeting designated use. 4. Determine public health status. 5. Use information for the Dane County property management planning process. Fish Lake has also had flooding problems, a loss of emergent vegetation in bays and along shorelines, wetland draining in the watershed, and is now being pumped to reduce lake water levels. This past year biologists documented the worst secchi readings in its history. The lake has not been monitored for water quality at the deep hole since 2005. The lake has gone from mesotrophic to eutrophic according to lake secchi readings, and experiences algal blooms, especially in the bays. Pumping from Fish Lake near culvert connections to Mud lake may be drawing poorer water quality from Mud Lake into Fish Lake.

Management questions that will be addressed for Crystal Lake are as follows. 1. Determine if lake water quality is declining and identify causes. 2. Determine if the lake is impaired. 3. Determine if it is meeting the designated use. 4. Determine public health status. 5. Use information for the Dane County property management planning process.

Crystal Lake has not had monitoring at the deep hole for water chemistry since 2005. The lake has flooding into agricultural fields and barnyards, agricultural runoff, and campground sewage treatment overflow issues most certainly have negatively impacted the lake. It experiences fish kills, and fish have exhibited symptoms of poor water quality - tumors, lesions. DNR staff have also experienced rash like symptoms evident of blue green algal blooms. There is a permit application and proposal recently submitted by the lake district to pump water from Crystal Lake to Roxbury Creek and ultimately into Wisconsin River backwater sloughs which are ERW waters.

Comments: This project is being continued as SCR_02_CMP14

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Outcome: For all three lakes: Evaluation for impairment, designated uses, status of lake water quality to aid in identification of watershed issues that may be impacting lake water quality, evaluation for public health - wading, swimming. Identify issues important to County park management planning, and DNR lakes management planning.

Study Design: All three lakes:
 2 years of monitoring for water quality and chemistry.
 May - Sept. Temp, DO, pH, Conductivity profiles
 June, Jul, Aug collection of phosphorus and chlorophyll A
 July collection of nitrogen series and lab conductivity pH, alkalinity, color, tss, turbidity.
 June - ? algae monitoring
 Mud Lake only- Point intercept aquatic plant monitoring.

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Jopke, Pete	TEAM_MEMBER	COMPLETE	1/1/2013	12/31/2014	Dane County Land & Water Resources Department	
Kaun, Jason	DATA_ENTRY	ACTIVE	7/9/2013		Wisconsin DNR	
SEARLE, GREGORY S	SUPERVISOR	COMPLETE	1/1/2013	12/31/2014	Wisconsin DNR	
TANNER, ELIZABETH E	DATA_ENTRY	INACTIVE	7/9/2013	10/23/2018	WISCONSIN DNR	
UNMUTH, JEAN M	PROJECT_LEAD	COMPLETE	1/1/2013	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
1/16/2013	JEAN UNMUTH	Proposed	
9/17/2013	JEAN UNMUTH	Active	This is a 2 year project. All of the lab samples, and lake profiles from Ice out through Sept. have been collected. One of nearshore fish surveys is completed, and the Mud Lake plant survey is completed.
6/12/2014	APRIL MARCANGELI	Complete	This project is being continued as SCR_02_CMP14

Actions

Action	Detailed Description	Start Date	End Date	Status
Watershed Mapping or Assessment	Fish, Mud and Crystal Lakes Monitoring - Project information we will be used to help the County to develop property management plans around the lakes, and help DNR biologists evaluate the lakes for impairments and determine if the lakes are meeting designated uses.	1/1/2013	12/31/2014	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
133319	Crystal Lake - Deep Hole	

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10040966	Crystal Lake N. Shore Electrofishing Station	
10040967	Crystal Lake NW. Bay Electrofishing Station	
10038189	Crystal Lake Proposed Pump Site	
10033938	Crystal Lake--RV Headquarters	
133120	Fish Lake - Deep Hole-Littoral Zone	
10030955	Fish Lake -- Lussier County Park Canoe Launch	Lussier Park Canoe Landing - Electrofishing start site
10015037	Mud Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
101400	1	Becker Lake (Paynes Pond)	Becker Lake
101900	1	Breneman Lake	Breneman Lake
102700	1	Cuff Lake	Cuff Lake
106000	1	Mud Lake	Mud Lake
107600	1	Scott Lake	Scott Lake
107700	1	Silver Lake	Silver Lake
108400	1	Un Lake	Unnamed
108500	1	Un Lake	Unnamed
108600	1	Un Lake	Unnamed
108700	1	Un Lake	Unnamed
108800	1	Un Lake	Unnamed
108900	1	Un Lake	Unnamed
109000	1	Un Lake	Unnamed
109100	1	Un Lake	Unnamed
109200	1	Un Lake	Unnamed
109300	1	Un Lake	Unnamed
116100	1	Un Spring	Un Spring
117100	1	West Lake	West Lake
117900	5	Upper Fox River	Fox River
117900	6	Upper Fox River	Fox River
117900	9	Fox River	Fox River
117900	10	Fox River	Fox River
117900	15	Fox River	Fox River
160160	1	South Branch Belle Fountain Creek	South Branch Belle Fountain Creek
161300	1	Unnamed Creek	Unnamed
172100	1	French Creek	French Creek

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172100	2	French Creek	French Creek
172100	3	French Creek	French Creek
172300	1	French Creek Wla Pool No. 2	French Creek Wla Pool No. 2
172350	1	Un Lake	Unnamed
172400	1	Spring Creek	Spring Creek
172600	1	French Creek Wla Pool No. 1	French Creek Wla Pool No. 1
172900	1	Local Water	Unnamed
173000	1	Un Lake	Unnamed
173300	1	Dates Millpond	Dates Millpond
173800	1	Neenah Creek	Neenah Creek
174500	1	Big Slough	Big Slough
174600	1	Unnamed Stream	Unnamed
174800	1	Hay Meadow Creek	Unnamed
175100	1	Local Water	Unnamed
175400	1	Unnamed Stream	Unnamed
176200	1	Weeting Lake	Weeting Lake
179400	1	Local Water	Unnamed
179500	1	Portage Canal	Fox-Wis Portage Canal
179800	1	Swan Lake	Swan Lake
180000	1	Spring Lake	Spring Lake
180300	1	Park Lake	Park Lake
180400	1	Rock Spring Run	Rock Spring Run
180500	1	Sand Spring Creek	Sand Spring Creek
774100	1	Barbian Pond	Barbian Pond
774700	1	Brandenburg Lake (Katrine)	Brandenburg Lake
774800	2	Brazee Lake	Brazee Lake
775300	1	Dahmen Pond	Dahmen Pond
775400	1	Diedrich Pond	Diedrich Pond
776000	1	Goose Lake	Goose Lake
776300	1	Grass Lake	Grass Lake
776400	1	Grassy Lake	Grassy Lake
776500	1	Hawkos Pond	Hawkos Pond
776800	1	Hook Lake	Hook Lake
776850	1	Virgin Lake	Virgin Lake
776900	1	Island Lake	Island Lake

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777100	1	Kalscheur Pond	Kalscheur Pond
777300	1	Barney Lake	Lake Barney
778000	1	L. Buechner Pond	Louis Buechner Pond
778200	1	Maher Pond	Maher Pond
779500	1	Rice Lake	Rice Lake
779750	1	Schoenberg Marsh	Schoeneberg Marsh
780200	1	Springfield	Springfield Pond
780400	1	Sweet Lake	Sweet Lake
780650	1	Tenney Park Lagoon	Tenney Park Lagoon
780700	1	Unnamed Lake	Turtle Lake
783730	1	Esser Pond	Esser Pond
783740	1	Tiedemans Pond	Tiedemans Pond
783750	1	Stricker Pond	Strickers Pond
783770	1	Un Lake	Unnamed
783775	1	Un Lake	Unnamed
786950	1	Local Water	Unnamed
786965	1	Local Water	Unnamed
786970	1	Local Water	Unnamed
786975	1	Local Water	Unnamed
786980	1	Local Water	Unnamed
787800	1	Unnamed Lake (T11nr11es10)	Unnamed
788715	1	Local Water	Unnamed
788720	1	Local Water	Unnamed
798300	2	Yahara River	Yahara River
798300	3	Yahara River	Yahara River
798300	4	Yahara R. Badfish Cr To Stoughton	Yahara River
798300	5	Yahara, Stoughton To L. Kegonsa	Yahara River
798300	6	Yahara River	Yahara River
798300	7	Yahara River	Yahara River
798300	8	Yahara River	Yahara River
798300	9	Yahara Heights Dog Park Beach	Yahara River
799500	1	Badfish Creek	Badfish Creek
799500	2	Badfish Creek	Badfish Creek
800100	1	Frog Pond Creek	Frog Pond Creek
800400	1	Bass Lake	Bass Lake

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800700	1	Oregon Branch	Oregon Br
800700	2	Oregon Branch	Oregon Br
800800	1	Ditch to the Oregon Branch of Badfish Creek	Unnamed
800900	1	Grass Lake	Grass Lake
801000	1	Anthony Branch	Rutland Br
801400	1	Unnamed Stream	Unnamed
801500	1	Unnamed Stream	Unnamed
801800	1	Dunkirk Millpond	Unnamed
802000	1	Stoughton Millpond	Stoughton Millpond 429
802100	1	Unnamed Stream	Unnamed
802300	1	Leuten Creek	Leutens Creek
802300	2	Leuten Creek	Leutens Creek
802400	1	Unnamed Stream	Unnamed
802600	1	Lake Kegonsa	Lake Kegonsa
802600	2	Lake Kegonsa State Park Beach	Lake Kegonsa
802700	1	Unnamed Stream	Unnamed
802800	1	Door Creek	Door Creek
802900	1	Little Door Creek	Little Door Creek
803100	1	Local Water	Unnamed
803300	1	Unnamed Trib to Lake Kegonsa	Unnamed
803400	1	Lower Mud Lake	Mud Lake
803500	1	Keenan Creek	Keenans Creek
803500	2	Keenans Creek	Keenans Creek
803700	1	Lake Waubesa	Lake Waubesa
803700	2	Goodland Park	Lake Waubesa
803700	3	Lake Waubesa - McDaniel Park Beach	Lake Waubesa
803800	1	Swan Creek	Swan Creek
803900	1	Murphys Creek	Murphys Creek
804000	1	Upper Mud Lake	Upper Mud Lake
804100	1	Unnamed Creek Trib To Upper Mud Lake	Unnamed
804200	1	Nine Springs Creek	Nine Springs Creek
804400	1	Nine Springs Creek	Unnamed
804600	1	Monona Lake	Lake Monona
804600	2	Brittingham Beach	Lake Monona
804600	3	Esther Park Beach	Lake Monona

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804600	5	Hudson Park Beach	Lake Monona
804600	6	Bernies Beach	Lake Monona
804600	7	Olbrich Park Beach	Lake Monona
804600	8	Olin Park Beach	Lake Monona
804600	9	BB Clark Beach, Monona Lake	Lake Monona
804600	10	Lake Monona - Schluter Beach	Lake Monona
804700	1	Murphy (Wingra) Creek	Wingra Creek
804700	2	Wingra Creek	Wingra Creek
805000	1	Lake Wingra	Lake Wingra
805000	2	Vilas Park Beach	Lake Wingra
805100	1	Starkweather Creek	Starkweather Creek
805200	1	W. Br. Starkweather Creek (Airport Road Creek)	Unnamed
805200	2	W. Br. Starkweather Creek	Unnamed
805400	1	Mendota Lake	Lake Mendota
805400	2	James Madison Park Beach	Lake Mendota
805400	3	Marshall Park Beach	Lake Mendota
805400	39	Spring Harbor Beach	Lake Mendota
805400	40	Hoofers Dock Beach, Lake Mendota	Lake Mendota
805400	41	Memorial Union Pier Beach, Lake Mendota	Lake Mendota
805400	42	Tenny Park Beach, Lake Mendota	Lake Mendota
805400	43	Warner Park Beach, Lake Mendota	Lake Mendota
805400	44	Gov Nelson State Park Beach, Lake Mendota	Lake Mendota
805400	45	Lake Mendota - Maple Bluff Beach	Lake Mendota
805400	46	Mendota County Park Beach	Lake Mendota
805500	1	Six Mile Creek	Sixmile Creek
805500	2	Six Mile Creek	Sixmile Creek
805600	1	Spring (Dorn) Creek	Dorn Creek
805600	2	Spring (Dorn) Creek	Dorn Creek
805800	1	Local Water	Unnamed
805900	1	Pheasant Branch	Pheasant Branch
805900	2	Pheasant Branch	Pheasant Branch
806300	1	Unnamed Trib to Yahara R	Unnamed
806300	2	Unnamed Trib to Yahara R	Unnamed
806500	1	Cherokee Lake	Cherokee Lake
806600	1	Token Creek	Token Creek

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806600	2	Token Creek	Token Creek
806600	3	Token Creek	Token Creek
806600	4	Token Creek	Token Creek
806600	5	Token Creek	Token Creek
806800	6	Tributary to Token Creek	Unnamed
806900	1	Local Water	Unnamed
806970	1	Un Lake	Unnamed
807300	1	Unnamed	Yahara River -Windsor Channel
807400	1	Lake Windsor	Windsor Lake
807500	1	Wheeler Wilcox Creek	Wheeler Wilcox Creek
807600	1	Local Water	Unnamed
807700	1	Local Water	Unnamed
807700	2	Unnamed Trib to Yahara River	Unnamed
807800	1	Local Water	Unnamed
808000	1	Saunders Creek	Saunders Creek
808000	2	Saunders Creek	Saunders Creek
808400	1	Local Water	Unnamed
808700	1	Lake Koshkonong	Lake Koshkonong
808800	1	Upper Koshkonong Creek	Koshkonong Creek
808800	2	Upper Koshkonong	Koshkonong Creek
808800	3	Lower Koshkonong Creek	Koshkonong Creek
810200	1	Goose Lake	Goose Lake
810300	1	Mud Creek	Mud Creek
810340	1	Tributary to Mud Creek	Unnamed
810400	1	Unnamed Trib to Mud Cr	Unnamed
810500	1	Unnamed Trib to Koshkonong Creek	Unnamed
810600	1	Unnamed Stream	Unnamed
810700	1	Mud Lake	Mud Lake
811500	1	Unnamed Stream	Unnamed
811600	1	Unnamed Stream	Unnamed
829700	2	Crawfish River	Crawfish River
829700	5	Crawfish River	Crawfish River
836200	2	Cambra Creek	Cambra Creek
836500	1	Beaver Creek	Beaver Creek
836550	1	Tributary to Beaver Creek	Unnamed

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837500	2	Mauneshia River	Mauneshia River
837500	3	Mauneshia River	Mauneshia River
837600	1	Stony Brook	Stony Brook
838300	1	Waterloo Millpond	Mauneshia Flowage
838500	1	Local Water	Unnamed
838600	1	Spring Creek	Spring Creek
838800	1	Unnamed Stream	Unnamed
839100	1	Marshall Millpond	Marshall Millpond
839200	1	Schumacher Creek	Schumacher Creek
839300	1	Un Lake	Unnamed
839400	1	Stransky Creek	Stransky Creek
840100	1	Unnamed Stream	Unnamed
840600	1	Unnamed Stream	Unnamed
840800	1	Mud Creek	Mud Creek
840900	1	Local Water	Unnamed
841400	1	Nolan Creek	Nolan Creek
842500	1	Crawfish River - Columbus Mill Pond	Columbus Mill Pond
842900	1	Robbins Creek	Robbins Creek
842900	2	Robbins Creek	Robbins Creek
843100	1	Crawfish River, North Branch	North Branch Crawfish River
843100	2	Crawfish River, North Branch	North Branch Crawfish River
843400	1	Lazy Lake (Fall R Millpond)	Lazy Lake (Fall R Millpond)
843500	1	Unnamed Stream	Unnamed
843700	1	Babcock Creek	Babcock Creek
843700	2	Babcock Creek	Babcock Creek
843800	1	Unnamed Stream	Unnamed
844600	1	Unnamed Creek	Unnamed
844700	1	Unnamed Trib to N Br Crawfish R	Unnamed
844900	1	Local Water	Unnamed
845500	1	Unnamed Stream	Unnamed
845700	1	Local Water	Unnamed
846100	1	Unnamed Stream	Unnamed
846300	1	Unnamed Creek	Unnamed
872510	1	Tributary To Goose Creek	Unnamed
872600	1	Goose Lake	Goose Lake

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872700	1	Lake Harriett	Lake Harriett
872800	1	Morse Pond	Morse Pond
872900	1	Mortenson Pond	Mortenson Pond
873700	1	Unnamed Lake (T11nr11es26)	Unnamed
873900	1	Verona Gravel Pit #12	Verona Gravel Pit
873900	2	Verona Gravel Pit (Fireman's Park Beach)	Verona Gravel Pit
873950	1	Graber-Dehner Pond	Graber Pond
875300	2	Upper Sugar River	Sugar River
875300	4	Sugar River	Sugar River
880100	3	Little Sugar River	Little Sugar River
882700	3	Ward Creek	Ward Creek
883000	2	Spring Valley Creek	Spring Valley Creek
883500	1	Hustad Valley Creek	Hustad Valley Creek
883600	1	Local Water	Unnamed
883700	6	Allen Creek	Allen Creek
885400	2	Story Creek (Tipperary)	Story Creek
886000	1	Lake Belle View	Lake Belle View
886100	1	West Branch Sugar River	West Branch Sugar River
886100	2	West Branch Sugar River	West Branch Sugar River
886100	3	West Branch Sugar River	West Branch Sugar River
886200	1	Unnamed Stream	Unnamed
886300	1	Milun Creek	Milun Creek
886400	1	Flynn Creek	Flynn Creek
886600	1	Mt. Vernon Creek	Mt Vernon Creek
886600	2	Mt. Vernon Creek	Mt Vernon Creek
886700	1	Unnamed	Unnamed
886800	1	Fryes Feeder	Fryes Feeder
886800	2	Fryes Feeder	Fryes Feeder
886900	1	Deer Creek	Deer Creek
886900	2	Deer Creek	Deer Creek
887000	1	Primrose Branch	Primrose Br
887300	1	Unnamed Trib to W Br Sugar River	Unnamed
887400	1	Unnamed	Unnamed
887500	1	Unnamed	Unnamed
887600	1	Corkscrew Creek	Unnamed

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887800	1	Henry Creek	Henry Creek
887900	1	Unnamed Stream	Unnamed
888100	1	Badger Mill Creek	Badger Mill Creek
888100	2	Badger Mill Creek	Badger Mill Creek
888100	3	Badger Mill Creek	Badger Mill Creek
888200	1	Unnamed Trib to Sugar R	Unnamed
888500	1	Schlapbach Creek	Schlapbach Creek
888500	2	Schlapbach Creek	Schlapbach Creek
907300	4	Big Spring Creek	Gordon Creek
907900	2	Kittleson Valley Creek	Kittleson Valley Creek
907900	3	Kittleson Valley Creek	Kittleson Valley Creek
908200	1	Syftestad Creek	Syftestad Creek
908400	1	Jeglem Valley Creek	Jeglum Valley Creek
908500	1	Pleasant Valley Branch	Pleasant Valley Br
908600	1	Unnamed	Unnamed
908700	1	Lee Creek (York Valley Creek)	Lee Creek
908700	2	Lee Creek (York Valley Creek)	Lee Creek
908900	1	Unnamed	Unnamed
909200	1	German Valley Branch	German Valley Br
909400	1	Local Water	Unnamed
915100	2	Tributary to Williams Creek	Williams-Barneveld Creek
967300	1	Alder Pond	Alder Pond
976000	1	Carl Buechner Pond	Carl Buechner Pond
977600	1	Columbia Lake	Lake Columbia
978900	1	Wi-173-Lw18-978900	Crystal Lake
978900	2	Crystal Lake (Campground and RV Park Beach)	Crystal Lake
979000	1	Crystal Lake	Crystal Lake
985100	1	Fish Lake	Fish Lake
986200	1	Fulton Pond	Fulton Pond
994800	1	George Lake	Lake George
997000	1	Lantz Pond	Lantz Pond
1000700	1	Long Lake	Long Lake
1004200	1	Meier Pond	Meier Pond
1006500	1	Mud Lake	Mud Lake
1011600	1	Pickerel Lake	Pickerel Lake

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1015000	1	Ryan Pond	Ryan Pond
1027200	1	Un Lake	Unnamed
1027300	1	Un Lake	Unnamed
1027900	1	Un Lake	Unnamed
1028800	1	Un Lake	Unnamed
1028900	1	Un Lake	Unnamed
1029000	1	Un Lake	Unnamed
1029100	1	Un Lake	Unnamed
1029200	1	Un Lake	Unnamed
1029300	1	Un Lake	Unnamed
1179900	2	Wisconsin River	Wisconsin River
1179900	4	Wisconsin River	Wisconsin River
1179900	5	Wisconsin River	Wisconsin River
1179900	6	Wisconsin River	Wisconsin River
1248600	1	Black Earth Creek	Black Earth Creek
1248600	2	Black Earth Creek	Black Earth Creek
1248600	3	Black Earth Creek	Black Earth Creek
1248600	4	Black Earth Creek	Black Earth Creek
1248600	5	Black Earth Creek	Black Earth Creek
1248600	6	Black Earth Creek	Black Earth Creek
1248800	1	Halfway Prairie Creek	Halfway Prairie Creek
1248800	2	Halfway Prairie Creek	Halfway Prairie Creek
1248900	1	Wendt Creek	Wendt Creek
1248900	2	Wendt Creek	Wendt Creek
1248900	3	stream	Wendt Creek
1249000	1	Indian Lake	Indian Lake
1249000	2	Indian Lake	Indian Lake
1249050	2	Un Lake	Unnamed
1249050	3	Lake Marrion center	Unnamed
1249100	1	Unnamed Stream	Unnamed
1249200	1	Vermont Creek	Vermont Creek
1249200	2	Vermont Creek	Vermont Creek
1249400	1	Unnamed Stream	Unnamed
1249900	1	Garfoot Creek	Garfoot Creek
1250100	1	Local Water	Unnamed

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1250200	1	Brewery Creek	Brewery Creek
1250200	2	Brewery Creek	Brewery Creek
1250200	3	Brewery Creek	Brewery Creek
1250200	4	Brewery Creek	Brewery Creek
1251100	1	Bohn Creek	East Branch Blue Mounds Creek
1251100	2	Bohn Creek	East Branch Blue Mounds Creek
1251300	1	Unnamed Stream	Unnamed
1251400	1	Ryan Creek	Ryan Creek
1251600	1	Elders Creek (Bohn Cr.)	Elders Creek
1251900	1	Bohn Creek	Bohn Creek
1251900	2	Bohn Creek	Bohn Creek
1252000	1	Little Norway Creek	Little Norway Creek
1252100	1	Moen Creek	Moen Creek
1252300	1	Stewart Lake	Stewart Lake
1252900	2	Marsh Creek	Marsh Creek
1252900	3	Marsh Creek	Marsh Creek
1253300	1	Dunlap Creek	Dunlap Creek
1253300	2	Dunlap Creek	Dunlap Creek
1253600	1	Fishers Lake	Fishers Lake
1259700	1	Unnamed Stream	Unnamed
1259800	1	Wisconsin River - Unnamed Channel	Wisconsin River - Unnamed Channel
1259900	1	Roxbury Creek	Roxbury Creek
1259900	2	Roxbury Creek	Roxbury Creek
1260000	1	Unnamed	Unnamed
1260200	1	Un Lake	Unnamed
1260600	1	Lake Wisconsin	Lake Wisconsin
1261900	1	Lodi Creek	Spring Creek
1261900	2	Lodi Creek	Spring Creek
1262000	1	Unnamed Trib to Spring Cr	Unnamed
1262100	1	Un Lake	Unnamed
1262200	1	Unnamed Trib to Spring Cr	Unnamed
1262300	1	Trib to Lodi Creek (Bohlman Br)	Unnamed
1262600	1	Prentice Creek	Prentice Creek
1262600	2	Prentice Creek	Prentice Creek
1262800	1	Un Lake	Unnamed

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1263100	1	Un Lake	Unnamed
1263500	1	Un Lake	Unnamed
1263700	1	Rowan Creek	Rowan Creek
1263700	2	Rowan Creek	Rowan Creek
1263700	3	Rowan Creek	Rowan Creek
1263900	1	Hinkson Creek	Hinkson Creek
1264000	1	Unnamed Trib to Hinkson Creek	Unnamed
1264100	1	Unnamed Trib to Rowan Creek	Unnamed
1264300	1	Unnamed Stream	Unnamed
1264500	1	Unnamed Stream	Unnamed
1264700	1	Wis River -Un Slough	Wisconsin River - Unnamed Slough
1264900	1	Un Lake	Unnamed
1265000	1	Rocky Run	Rocky Run
1265000	2	Rocky Run	Rocky Run
1265000	3	Rocky Run	Rocky Run
1265000	4	Rocky Run	Rocky Run
1265100	1	Un Lake	Unnamed
1265200	1	Unnamed Stream	Unnamed
1265300	1	Unnamed Stream	Unnamed
1265560	1	Tributary to Rocky Run Creek	Unnamed
1265700	1	Unnamed Lake	Unnamed
1265800	1	Unnamed Stream	Unnamed
1266100	1	Mud Lake	Mud Lake
1266300	1	Duck Creek	Duck Creek
1266800	1	Curtis Lake	Curtis Lake
1267000	1	Un Lake	Unnamed
1267100	1	Unnamed Stream	Unnamed
1267200	1	Un Spring	Un Spring
1267400	1	Wyona Lake (Wyocena Millpond)	Wyona Lake (Wyocena Millpond)
1267500	1	North Br Duck Creek	North Branch Duck Creek
1267500	2	North Br Duck Creek	North Branch Duck Creek
1267800	1	Local Water	Unnamed
1268400	1	Unnamed Stream	Unnamed
1268900	1	Local Water	Unnamed
1269100	1	Tarrant Lake	Tarrant Lake

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

1269300	1	Duck Creek, Middle Branch	Middle Br Duck Creek
1269300	2	Duck Creek, Middle Branch	Middle Br Duck Creek
1269300	3	Duck Creek, Middle Branch	Middle Br Duck Creek
1269500	1	Figors Mill Flowage	Figors Mill Flowage
1269600	1	Roelke Creek	South Branch Duck Creek
1270100	1	Willow Mill Pond	Willow Mill Pond
1270200	1	Jennings Creek	Jennings Creek
1270300	1	Unnamed Stream	Unnamed
1270600	1	Silver Spring Pond	Silver Springs Pond
1271000	1	Un Lake	Unnamed
1271100	6	Baraboo River	Baraboo River
1271300	1	Local Water	Unnamed
1271500	1	Unnamed Stream	Unnamed
1271600	1	Leech Creek	Leech Creek
1272100	2	Rowley Creek	Rowley Creek
1272700	1	Un Spring	Un Spring
1272900	1	Unnamed Stream	Unnamed
1273000	1	Un Spring	Un Spring
1273100	1	Lost Lake	Lost Lake
1294900	1	Corning Lake	Corning Lake
1299000	1	Crandalls Bay	Crandalls Bay
1299200	1	Lake Lee	Lake Lee
3000032	1	Local Water	Unnamed
3000061	1	Un Lake	Unnamed
3000089	1	Local Water	Unnamed
3000107	1	Cambra Creek Tributary #2	Unnamed
3000252	1	Unnamed Lake	Unnamed
3000415	1	Unnamed Creek	Unnamed
3000445	1	Local Water	Unnamed
3000513	1	Odana Pond	Unnamed
3000541	1	Winnequah Lagoon Creek	Unnamed
4000040	1	Belleville Millpond	Unnamed
5028951	1	Unnamed Stream	Unnamed
5028957	1	Unnamed Stream	Unnamed
5029072	1	Unnamed Stream	Unnamed

**Wisconsin Department of Natural Resources
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5029076	1	Unnamed Trib to Big Slough	Unnamed
5029104	1	Unnamed Stream	Unnamed
5029181	1	Unnamed Stream	Unnamed
5029203	1	Unnamed Stream	Unnamed
5029352	1	Unnamed Stream	Unnamed
5029355	1	Unnamed Stream	Unnamed
5029411	1	Unnamed Stream	Unnamed
5029446	1	Unnamed stream	Unnamed
5029531	1	Unnamed Stream	Unnamed
5029589	1	Unnamed Stream	Unnamed
5029662	1	Unnamed Stream	Unnamed
5029702	1	Local Water	Unnamed
5029714	1	Unnamed Stream	Unnamed
5029726	1	Unnamed Stream	Unnamed
5029768	1	Local Water	Unnamed
5029807	1	Unnamed Stream	Unnamed
5029853	1	Unnamed Stream	Unnamed
5029984	1	Unnamed Stream	Unnamed
5030036	1	Unnamed Stream	Unnamed
5030043	1	Unnamed Stream	Unnamed
5030117	1	Unnamed Stream	Unnamed
5030199	1	Unnamed Stream	Unnamed
5030316	1	Unnamed	Unnamed
5030365	1	Tributary to Beaver Creek	Unnamed
5030394	1	Unnamed Stream	Unnamed
5030683	1	Unnamed Stream	Unnamed
5030700	1	Unnamed Stream	Unnamed
5030715	1	Unnamed Stream	Unnamed
5030737	1	Unnamed Creek	Unnamed
5030814	1	Unnamed Stream	Unnamed
5030855	1	Unnamed Stream	Unnamed
5030938	1	Unnamed Stream	Unnamed
5030970	1	Unnamed Stream	Unnamed
5031040	1	Unnamed Stream	Unnamed
5031041	1	Unnamed Stream	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

5031091	1	Unnamed Stream	Unnamed
5031209	1	Unnamed Stream	Unnamed
5031382	1	Unnamed Stream	Unnamed
5031410	1	Unnamed Stream	Unnamed
5031426	1	Unnamed Stream	Unnamed
5031611	1	Unnamed Stream	Unnamed
5031827	1	Unnamed Stream	Unnamed
5031830	1	Unnamed Stream	Unnamed
5031868	1	Unnamed Stream	Unnamed
5031879	1	Unnamed Stream	Unnamed
5031969	1	Unnamed Stream	Unnamed
5032063	1	Unnamed Stream	Unnamed
5032090	1	Unnamed Stream	Unnamed
5032639	1	Local Water	Unnamed
5032691	1	Unnamed Stream	Unnamed
5032921	1	Unnamed Stream	Unnamed
5033037	1	Unnamed	Unnamed
5033246	1	Unnamed Stream	Unnamed
5033250	1	Unnamed Trib to Spring Creek	Unnamed
5033392	1	Unnamed Trib to Spring Cr	Unnamed
5033413	1	Unnamed Stream	Unnamed
5033449	1	Unnamed Stream	Unnamed
5033465	1	Unnamed Stream	Unnamed
5033488	1	Unnamed Stream	Unnamed
5033579	1	Unnamed Stream	Unnamed
5033600	1	Local Water	Unnamed
5033672	1	Local Water	Unnamed
5033680	1	Local Water	Unnamed
5033681	1	Local Water	Unnamed
5033690	1	Local Water	Unnamed
5033743	1	Unnamed Trib to Yahara R	Unnamed
5033820	1	Unnamed Trib to Spring Cr	Unnamed
5033839	1	Unnamed Trib to Token Cr	Unnamed
5033839	2	Unnamed Trib to Token Creek	Unnamed
5033844	1	Local Water	Unnamed

**Wisconsin Department of Natural Resources
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5033851	1	Local Water	Unnamed
5033866	1	Local Water	Unnamed
5033899	1	Unnamed Stream	Unnamed
5033913	1	Local Water	Unnamed
5033968	1	Local Water	Unnamed
5033971	1	Unnamed Stream	Unnamed
5033998	1	Local Water	Unnamed
5034024	1	Local Water	Unnamed
5034029	1	Local Water	Unnamed
5034051	1	Local Water	Unnamed
5034067	1	Local Water	Unnamed
5034076	1	Local Water	Unnamed
5034080	1	Unnamed Stream	Unnamed
5034082	1	Local Water	Unnamed
5034088	1	Local Water	Unnamed
5034107	1	Local Water	Unnamed
5034109	1	Local Water	Unnamed
5034110	1	Local Water	Unnamed
5034123	1	Unnamed Stream	Unnamed
5034135	1	Local Water	Unnamed
5034179	1	Local Water	Unnamed
5034201	1	Local Water	Unnamed
5034220	1	Local Water	Unnamed
5034240	1	Unnamed Trib to Yahara River	Unnamed
5034330	1	Unnamed Stream	Unnamed
5034347	1	Six Mile Creek	Unnamed
5034355	1	Local Water	Unnamed
5034369	1	Local Water	Unnamed
5034407	1	Local Water	Unnamed
5034410	1	Unnamed Stream	Unnamed
5034420	1	Local Water	Unnamed
5034421	1	Local Water	Unnamed
5034449	1	Local Water	Unnamed
5034450	1	Unnamed Stream	Unnamed
5034475	1	Local Water	Unnamed

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5034500	1	Local Water	Unnamed
5034506	1	Unnamed Stream	Unnamed
5034546	1	Local Water	Unnamed
5034589	1	Pheasant Branch	Pheasant Branch
5034619	1	Local Water	Unnamed
5034683	1	Local Water	Unnamed
5034689	1	Unnamed Stream	Unnamed
5034691	1	Unnamed Stream	Unnamed
5034711	1	Local Water	Unnamed
5034727	1	Unnamed Stream	Unnamed
5034740	1	Unnamed Stream	Unnamed
5034804	1	Local Water	Unnamed
5034839	1	Local Water	Unnamed
5034849	1	Unnamed Stream	Unnamed
5034876	1	Local Water	Unnamed
5034918	1	Unnamed Stream	Unnamed
5034928	1	Local Water	Unnamed
5034943	1	Local Water	Unnamed
5034952	1	Pheasant Branch Trib	Unnamed
5034962	1	Local Water	Unnamed
5035016	1	Unnamed Stream	Unnamed
5035054	1	Unnamed Stream	Unnamed
5035136	1	Local Water	Unnamed
5035161	1	Local Water	Unnamed
5035179	1	Unnamed Stream	Unnamed
5035207	1	Local Water	Unnamed
5035208	1	Unnamed Stream	Unnamed
5035217	1	Unnamed Stream	Unnamed
5035220	1	Unnamed Stream	Unnamed
5035247	1	Unnamed Stream	Unnamed
5035296	1	Unnamed Stream	Unnamed
5035362	1	Unnamed Stream	Unnamed
5035496	1	Local Water	Unnamed
5035510	1	Unnamed Stream	Unnamed
5035532	1	Unnamed Stream	Unnamed

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5035535	1	Unnamed Stream	Unnamed
5035617	1	Local Water	Unnamed
5035666	1	Unnamed Stream	Unnamed
5035671	1	Unnamed	Unnamed
5035708	1	Un-named Trib to Upper Mud Lake	Unnamed
5035724	1	Unnamed Trib to Pheasant Br.	Unnamed
5035847	1	Unnamed Trib to Lake Wingra	Unnamed
5035900	1	Unnamed Stream	Unnamed
5035948	1	Marshland Creek	Unnamed
5036009	1	Unnamed Stream	Unnamed
5036092	1	Unnamed Stream	Unnamed
5036119	1	Unnamed Stream	Unnamed
5036131	1	Local Water	Unnamed
5036135	1	Unnamed Trib to Sugar River	Unnamed
5036159	1	Unnamed Stream	Unnamed
5036182	1	Unnamed Stream	Unnamed
5036184	1	Local Water	Unnamed
5036215	1	Unnamed	Unnamed
5036224	1	Unnamed Stream	Unnamed
5036313	1	Unnamed Stream	Unnamed
5036347	1	Local Water	Unnamed
5036374	1	Unnamed Stream	Unnamed
5036405	1	Unnamed Stream	Unnamed
5036462	1	Local Water	Unnamed
5036550	1	Unnamed Stream	Unnamed
5036551	1	Unnamed Stream	Unnamed
5036575	1	Unnamed Stream	Unnamed
5036614	1	Unnamed Stream	Unnamed
5036679	1	Unnamed Stream	Unnamed
5036684	1	Unnamed Stream	Unnamed
5036692	1	Unnamed Stream	Unnamed
5036699	1	Unnamed Stream	Unnamed
5036743	1	Unnamed Stream	Unnamed
5036787	1	Unnamed Stream	Unnamed
5036882	1	Local Water	Unnamed

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5036883	1	Unnamed Stream	Unnamed
5036906	1	Unnamed Stream	Unnamed
5036919	1	Unnamed	Unnamed
5036944	1	Unnamed Stream	Unnamed
5036949	1	Unnamed Stream	Unnamed
5036981	1	Unnamed	Unnamed
5036998	1	Henry Creek	Unnamed
5037043	1	Unnamed Stream	Unnamed
5037062	1	Unnamed Stream	Unnamed
5037072	1	Unnamed	Unnamed
5037176	1	Unnamed Stream	Unnamed
5037178	1	Unnamed Stream	Unnamed
5037199	1	Unnamed Stream	Unnamed
5037432	1	Unnamed Stream	Unnamed
5037562	1	Unnamed Stream	Unnamed
5037643	1	Unnamed Stream	Unnamed
5037687	1	Unnamed Stream	Unnamed
5037747	1	Unnamed Stream	Unnamed
5037836	1	Unnamed Stream	Unnamed
5037959	1	Unnamed Stream	Unnamed
5037992	1	Unnamed Stream	Unnamed
5038102	1	Unnamed Stream	Unnamed
5038109	1	Unnamed Stream	Unnamed
5038141	1	Unnamed Stream	Unnamed
5038145	1	Unnamed Stream	Unnamed
5038187	1	Unnamed Stream	Unnamed
5038223	1	Unnamed Stream	Unnamed
5038224	1	Local Water	Unnamed
5038231	1	Unnamed Stream	Unnamed
5038324	1	Unnamed Stream	Unnamed
5038338	1	Unnamed Stream	Unnamed
5565324	1	Local Water	Unnamed
5565338	1	Local Water	Unnamed
5565396	1	Local Water	Unnamed
5565448	1	Local Water	Unnamed

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5565552	1	Local Water	Unnamed
5565608	1	Local Water	Unnamed
5565652	1	Local Water	Unnamed
5565674	1	Local Water	Unnamed
5566011	1	Local Water	Unnamed
5566025	1	Local Water	Unnamed
5566061	1	Local Water	Unnamed
5566160	1	Local Water	Unnamed
5566270	1	Local Water	Unnamed
5566403	1	Local Water	Unnamed
5566458	1	Local Water	Unnamed
5566472	1	Local Water	Unnamed
5566483	1	Local Water	Unnamed
5566494	1	Local Water	Unnamed
5566727	1	Local Water	Unnamed
5566803	1	Local Water	Unnamed
5566857	1	Local Water	Unnamed
5566974	1	Local Water	Unnamed
5567021	1	Local Water	Unnamed
5567029	1	Local Water	Unnamed
5567131	1	Local Water	Unnamed
5567245	1	Local Water	Unnamed
5567554	1	Local Water	Unnamed
5567634	1	Local Water	Unnamed
5567817	1	Local Water	Unnamed
5567972	1	Local Water	Unnamed
5568059	1	Local Water	Unnamed
5568063	1	Local Water	Unnamed
5568111	1	Local Water	Unnamed
5568117	1	Local Water	Unnamed
5568134	1	Local Water	Unnamed
5568145	1	Local Water	Unnamed
5568146	1	Local Water	Unnamed
5568185	1	Local Water	Unnamed
5568208	1	Local Water	Unnamed

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SWIMS Project Summary**

5568225	1	Local Water	Unnamed
5568376	1	Local Water	Unnamed
5568381	1	Local Water	Unnamed
5568509	1	Local Water	Unnamed
5568540	1	Local Water	Unnamed
5568650	1	Local Water	Unnamed
5568708	1	Local Water	Unnamed
5568717	1	Local Water	Unnamed
5568804	1	Local Water	Unnamed
5569033	1	Local Water	Unnamed
5569241	1	Local Water	Unnamed
5569309	1	Local Water	Unnamed
5569449	1	Local Water	Unnamed
5569529	1	Local Water	Unnamed
5569540	1	Local Water	Unnamed
5569622	1	Local Water	Unnamed
5569639	1	Local Water	Unnamed
5569643	1	Local Water	Unnamed
5569666	1	Local Water	Unnamed
5569693	1	Local Water	Unnamed
5569715	1	Local Water	Unnamed
5569722	1	Local Water	Unnamed
5569728	1	Local Water	Unnamed
5569745	1	Local Water	Unnamed
5569756	1	Local Water	Unnamed
5569772	1	Local Water	Unnamed
5569867	1	Local Water	Unnamed
5569889	1	Local Water	Unnamed
5569901	1	Local Water	Unnamed
5569929	1	Local Water	Unnamed
5569954	1	Local Water	Unnamed
5569991	1	Local Water	Unnamed
5570032	1	Local Water	Unnamed
5570040	1	Local Water	Unnamed
5570057	1	Local Water	Unnamed

**Wisconsin Department of Natural Resources
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5570100	1	Unnamed Lake	Unnamed
5570131	1	Local Water	Unnamed
5570228	1	Local Water	Unnamed
5570252	1	Local Water	Unnamed
5570325	1	Local Water	Unnamed
5570391	1	Local Water	Unnamed
5570438	1	Local Water	Unnamed
5570457	1	Local Water	Unnamed
5570476	1	Local Water	Unnamed
5570507	1	Local Water	Unnamed
5570559	1	Local Water	Unnamed
5570700	1	Unnamed Lake	Unnamed
5570706	1	Local Water	Unnamed
5570833	1	Local Water	Unnamed
5570857	1	Local Water	Unnamed
5570860	1	Local Water	Unnamed
5570880	1	Local Water	Unnamed
5570919	1	Local Water	Unnamed
5570947	1	Local Water	Unnamed
5571033	1	Local Water	Unnamed
5571139	1	Local Water	Unnamed
5571170	1	Local Water	Unnamed
5571242	1	Local Water	Unnamed
5571296	1	Local Water	Unnamed
5571422	1	Local Water	Unnamed
5571774	1	Local Water	Unnamed
5571890	1	Local Water	Unnamed
5571972	1	Local Water	Unnamed
5571979	1	Local Water	Unnamed
5572030	1	Local Water	Unnamed
5572045	1	Local Water	Unnamed
5572075	1	Local Water	Unnamed
5572116	1	Local Water	Unnamed
5572119	1	Local Water	Unnamed
5572124	1	Local Water	Unnamed

**Wisconsin Department of Natural Resources
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5572169	1	Local Water	Unnamed
5572189	1	Local Water	Unnamed
5572228	1	Local Water	Unnamed
5572237	1	Local Water	Unnamed
5572248	1	Local Water	Unnamed
5572341	1	Local Water	Unnamed
5572382	1	Local Water	Unnamed
5572399	1	Local Water	Unnamed
5572431	1	Local Water	Unnamed
5572481	1	Local Water	Unnamed
5572482	1	Local Water	Unnamed
5572501	1	Local Water	Unnamed
5572504	1	Local Water	Unnamed
5572568	1	Local Water	Unnamed
5572578	1	Local Water	Unnamed
5572586	1	Local Water	Unnamed
5572590	1	Local Water	Unnamed
5572627	1	Local Water	Unnamed
5572637	1	Local Water	Unnamed
5572670	1	Local Water	Unnamed
5572672	1	Local Water	Unnamed
5572682	1	Local Water	Unnamed
5572751	1	Local Water	Unnamed
5572795	1	Local Water	Unnamed
5572809	1	Local Water	Unnamed
5572884	1	Local Water	Unnamed
5572931	1	Local Water	Unnamed
5572950	1	Local Water	Unnamed
5572954	1	Local Water	Unnamed
5572990	1	Local Water	Unnamed
5572994	1	Local Water	Unnamed
5573014	1	Local Water	Unnamed
5573032	1	Local Water	Unnamed
5573165	1	Local Water	Unnamed
5573242	1	Local Water	Unnamed

**Wisconsin Department of Natural Resources
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5573279	1	Local Water	Unnamed
5573294	1	Local Water	Unnamed
5573295	1	Local Water	Unnamed
5573349	1	Local Water	Unnamed
5573407	1	Patrick Lake/Marsh	Unnamed
5573536	1	Local Water	Unnamed
5573543	1	Local Water	Unnamed
5573608	1	Local Water	Unnamed
5573816	1	Local Water	Unnamed
5573875	1	Local Water	Unnamed
5573976	1	Local Water	Unnamed
5574088	1	Unnamed Lake	Unnamed
5574156	1	Unnamed Lake	Unnamed
5574166	1	Local Water	Unnamed
5574195	1	Local Water	Unnamed
5574260	1	Local Water	Unnamed
5574269	1	Local Water	Unnamed
5574312	1	Local Water	Unnamed
5574391	1	Local Water	Unnamed
5574483	1	Unnamed Lake	Unnamed
5574515	1	Local Water	Unnamed
5574538	1	Local Water	Unnamed
5574575	1	Local Water	Unnamed
5574584	1	Local Water	Unnamed
5574694	1	Local Water	Unnamed
5574695	1	Local Water	Unnamed
5574704	1	Local Water	Unnamed
5574761	1	Local Water	Unnamed
5574959	1	Local Water	Unnamed
5575000	1	Local Water	Unnamed
5575022	1	Local Water	Unnamed
5575049	1	Local Water	Unnamed
5575158	1	Winnequah Lagoon	Unnamed
5575172	1	Local Water	Unnamed
5575180	1	Local Water	Unnamed

**Wisconsin Department of Natural Resources
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5575183	1	Monona Golf Course	Unnamed
5575273	1	Local Water	Unnamed
5575288	1	Local Water	Unnamed
5575371	1	Local Water	Unnamed
5575427	1	Local Water	Unnamed
5575462	1	Local Water	Unnamed
5575484	1	Local Water	Unnamed
5575502	1	Local Water	Unnamed
5575555	1	Local Water	Unnamed
5575570	1	Local Water	Unnamed
5575695	1	Local Water	Unnamed
5575699	1	Local Water	Unnamed
5575708	1	Local Water	Unnamed
5575921	1	Local Water	Unnamed
5575966	1	Local Water	Unnamed
5575996	1	Local Water	Unnamed
5576007	1	Local Water	Unnamed
5576097	1	Local Water	Unnamed
5576122	1	Local Water	Unnamed
5576143	1	Local Water	Unnamed
5576153	1	Local Water	Unnamed
5576301	1	Local Water	Unnamed
5576392	1	Local Water	Unnamed
5576499	1	Local Water	Unnamed
5576503	1	Local Water	Unnamed
5576607	1	Local Water	Unnamed
5576629	1	Local Water	Unnamed
5576670	1	Local Water	Unnamed
5576694	1	Local Water	Unnamed
5576799	1	Local Water	Unnamed
5576815	1	Local Water	Unnamed
5576823	1	Local Water	Unnamed
5576855	1	Local Water	Unnamed
5577017	1	Local Water	Unnamed
5577031	1	Local Water	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

5577045	1	Local Water	Unnamed
5577080	1	Local Water	Unnamed
5577143	1	Local Water	Dunkirk Millpond 442
5577231	1	Local Water	Unnamed
5577394	1	Local Water	Unnamed
5577445	1	Local Water	Unnamed
5581652	1	Local Water	Unnamed
5588164	1	Local Water	Unnamed
5588170	1	Local Water	Unnamed
5588175	1	Unnamed Lake	Unnamed
5588205	1	Local Water	Unnamed
5588213	1	Local Water	Unnamed
5588220	1	Local Water	Unnamed
5588244	1	Local Water	Unnamed
5588254	1	Local Water	Unnamed
5588260	1	Local Water	Unnamed
5588291	1	Local Water	Unnamed
5588312	1	Local Water	Unnamed
5588522	1	Local Water	Unnamed
5588599	1	Local Water	Unnamed
5588601	1	Local Water	Unnamed
5588720	1	Local Water	Unnamed
5588729	1	Local Water	Unnamed
5589582	1	Local Water	Unnamed
5591520	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
PLANT_SURVEY2	Aquatic Plant Survey
FIELD CHEMISTRY FORM	Field Chemistry Form
INORGANIC	Inorganic Lab - Field Data
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code	Method Description
AQ_PLANT_2010	Baseline Aquatic Plants Monitoring 2010
BASELINE LAKE MONITORING METHODS - INTEGRATED SAMPLER - CHEM SAMPLES	Baseline Lake Integrated Sampler 2003
BASELINE LAKE MONITORING METHODS - LAKE PROFILES	Baseline Lake Monitoring Temperature/D.O./Conductance Profile 2003
SP-010	Plankton Collection, open water

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/24/2013 9:20	COMPLETE		133319	Crystal Lake - Deep Hole
4/24/2013 10:15	COMPLETE		133120	Fish Lake - Deep Hole-Littoral Zone
4/24/2013 11:00	COMPLETE		10015037	Mud Lake
5/14/2013 11:45	COMPLETE		133319	Crystal Lake - Deep Hole
5/15/2013 10:00	COMPLETE		133120	Fish Lake - Deep Hole-Littoral Zone
5/15/2013 10:55	COMPLETE		10015037	Mud Lake
6/13/2013 9:00	COMPLETE	F1	133120	Fish Lake - Deep Hole-Littoral Zone
6/13/2013 9:45	COMPLETE	M1	10015037	Mud Lake
6/13/2013 10:40	COMPLETE	C1	133319	Crystal Lake - Deep Hole
7/10/2013 10:00	COMPLETE		133319	Crystal Lake - Deep Hole
7/10/2013 10:35	COMPLETE		10015037	Mud Lake
7/10/2013 11:15	COMPLETE		133120	Fish Lake - Deep Hole-Littoral Zone
8/15/2013 10:00	COMPLETE		10015037	Mud Lake
8/15/2013 10:30	COMPLETE		133120	Fish Lake - Deep Hole-Littoral Zone
9/11/2013 11:00	COMPLETE		133120	Fish Lake - Deep Hole-Littoral Zone
6/18/2014 14:30	COMPLETE	NA	10033938	Crystal Lake--RV Headquarters

Documents

Title	Description	Author	Published	Comments
Crystal, Fish, Mud Lakes WQ Near Shore Summer 2010	TSI from P, secchi, and other water quality and chemistry collected monthly June, July, August 2010 in shallow near shore areas where pumping of lakes occurred on Fish/Mud, and proposed pump site for Crystal Lake.	Unmuth, Jean	1/1/2010	

Budget

Wisconsin Department of Natural Resources SWIMS Project Summary

Budget Description: Fish, Crystal, Mud Lakes Monitoring Budget Jan-June 2013

Start Date: 1/1/2013

End Date: 6/30/2013

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	16	Hours	\$0.00	\$0.00	Jean Unmuth
LTE SAL	LTE Salary	16	Hours	\$14.00	\$224.00	2 interns from UW-Platteville month June
LTE FR	LTE Fringe				\$55.33	
LTE IND	LTE Indirect				\$45.17	
LTE TOT	LTE Total Cost				\$324.50	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	240	Miles	\$0.72	\$172.80	Travel to Lakes and SLOH
MEAL	Meals	4	Meals	\$4.00	\$16.00	Unmuth and Interns
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$188.80	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$513.30	

Total WSLH Lab Costs: \$0.00

Total Budget: \$513.30

Wisconsin Department of Natural Resources SWIMS Project Summary

Budget Description: Fish, Crystal, Mud lakes Monitoring Budget July - Dec 2013 **Start Date:** 7/31/2013 **End Date:** 12/31/2013

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	\$0.00	\$0.00	Jean Unmuth
LTE SAL	LTE Salary	32	Hours	\$14.00	\$448.00	2 interns from UW-Platteville
LTE FR	LTE Fringe				\$110.66	
LTE IND	LTE Indirect				\$90.33	
LTE TOT	LTE Total Cost				\$648.99	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	450	Miles	\$0.72	\$324.00	Travel to the lakes
MEAL	Meals	13	Meals	\$4.00	\$52.00	packed lunches
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$376.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,024.99	

Total WSLH Lab Costs: \$0.00

Total Budget: \$1,024.99

Combined Budgets: \$1,538.29

Combined WSLH: \$0.00

Combined Total: \$1,538.29

Funding					
Organization	Source	Type	Amount	Start Date	End Date