

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPT-466-14

Name: LONG LAKE PROT & REHAB DIST: LMI-Waterfront Projects Design & Installation and Alum Dosage Study

Type: Lakes Grant

Subtype: Lake Protection Grant

Status: COMPLETE

Start Date: 10/1/2013

End Date: 12/31/2020

Purpose: Long Lake P&R District is sponsoring a Lake Protection grant to protect and improve Long Lake water quality by designing and implementing shoreline restoration and runoff reduction practices. The project also includes an Alum dosage study.

Specific project tasks include: 1) Shoreline design/restoration on approximately 10 shoreline sites; 2) Design/installation of rain gardens, rock gardens, rock pits, and swales; 3) Alum dosage study.

Shoreline restorations will follow standards set forth in NR 191.24(3) unless mutually agreed to in writing with the regional lake coordinator before implementation occurs. Shoreline restorations using grant funding for plants or labor require a Department approved restrictive covenant that permanently establishes the vegetative buffer on the parcel. This project includes BMPs such as rain gardens and shoreline stabilization. Maintenance, operation, and protection will be specified in a ten-year contract for each BMP site. The Department may perform site inspection and/or monitoring.

Project deliverables include: a report and map summarizing project activities, including documenting linear feet of shoreline stabilized, square feet of shoreline buffer restored, and number of runoff reduction sites installed; individual property shoreline restoration/stabilization plans/maps; pre/post photos of funded restorations; list of property owners and parcels committed to covenants and/or contracts; and Alum dosage report.

Special conditions: Applicable water regulation and/or county zoning permits must be issued before construction activities commence.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Coordinator.

Objective:

Comments: Grantee is LONG LAKE PROT & REHAB DIST

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Long Lake P & R District,	GRANT_RECIPIENT	ACTIVE	10/1/2013	12/31/2015	Long Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources
SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Information and Education		10/1/2013	12/31/2015	PROPOSED
Project Deliverable	Project deliverables include: a report and map summarizing project activities, including documenting linear feet of shoreline stabilized, square feet of shoreline buffer restored, and number of runoff reduction sites installed; individual property shoreline restoration/stabilization plans/maps; pre/post photos of funded restorations; list of property owners and parcels committed to covenants and/or contracts; and Alum dosage report.	10/1/2013	12/31/2015	PROPOSED
Restore Riparian Habitat		10/1/2013	12/31/2015	PROPOSED
APM Chemical Permit Request	Alum	10/1/2013	12/31/2015	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
24D Granular, # Acres			
24D Granular, # Pounds			
24D Liquid, # Acres			
24D Liquid, # Pounds			
Acres Treated - 1997 to 2003			
Amount of Chemicals used - 1997 to 2003			
Aqua-Pro Acres			
Aqua-Pro Gallons			
Aquacide, # Pounds			
Aquaneat Acres			
Aquaneat Gallons			
Aquashade Acres			
Aquashade Pounds			
Aquastar Acres			
Aquastar Gallons			
Aquathol Acres			
Aquathol Gallons			
Aquathol K Acres			
Aquathol K Gallons			
Aquathol, # Pounds			
Avast Acres			
Avast Gallons			
Chemicals Used - 1997 to 2003			
Clearcast Acres			
Clearcast Gallons			
Clearigate Acres			
Clearigate Gallons			
Comments			

Wisconsin Department of Natural Resources
SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Contains Herbicide totals			
Copper Acres			
Copper Liquid, # Acres			
Copper Liquid, # Gallons			
Copper Pounds			
Cutrine Acres			
Cutrine Liquid Acres			
Cutrine Liquid Gallons			
Cutrine Plus Acres			
Cutrine Plus Liquid Acres			
Cutrine Plus Liquid Gallons			
Cutrine Plus Pounds			
Cutrine Pounds			
Cutrine Ultra Acres			
Cutrine Ultra Gallons			
DMA 4 IVM Acres			
DMA 4 IVM Gallons			
Did Treatments Occur			
Diquat Acres			
Diquat Gallons			
Diquat Liquid Acres			
Diquat Pounds			
Endotholl Acres			
Endotholl Liquid Acres			
Endotholl Liquid Gallons			
Endotholl Pounds			
Fee			
Floridone Acres			
Floridone Gallons			
Glyphosate Acres			
Glyphosate Gallons			
Glyphosate Liquid Acres			
Glyphosate Pounds			
Green Clean Acres			
Green Clean Gallons			
H2O2 Acres			
H2O2 Pounds			
Habitat Acres			
Habitat Gallons			
Harvester Acres			
Harvester Gallons			

5/20/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?			
Hydrothol Acres			
Hydrothol Gallons			
Imazapyr Acres			
Imazapyr Gallons			
Nautique Acres			
Nautique Gallons			
Navigate Acres			
Navigate, # Pounds			
Onsite Supervision Present?			
Permit #			
Phycomycin Acres			
Phycomycin Pounds			
Polaris Acres			
Polaris Gallons			
Refuge Acres			
Refuge Gallons			
Reward Acres			
Reward Gallons			
Reward Liquid Acres			
Reward Pounds			
Rodeo Acres			
Rodeo Gallons			
SCI-62 Acres			
SCI-62 Gallons			
Sculpin G Acres			
Sculpin G Pounds			
SeClear Acres			
SeClear Gallons			
ShoreKlear Acres			
ShoreKlear Gallons			
Sonar AS Gallons			
Sonor AS Acres			
Touchdown Pro Acres			
Touchdown Pro Gallons			
Treatment Date			
Treatment Date Series			
Tribune Acres			
Tribune Gallons			

Wisconsin Department of Natural Resources
SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments		
Vectobac Acres					
Vectobac Gallons					
Habitat Restoration - Shoreland	Shoreland Restoration	10/1/2013	12/31/2016	PROPOSED	
Aquatic Plant Management Project		10/1/2013	12/31/2015	PROPOSED	
Grant Awarded	Long Lake P&R District is sponsoring a Lake Protection grant to protect and improve Long Lake water quality by designing and implementing shoreline restoration and runoff reduction practices. The project also includes an Alum dosage study.	10/1/2013	12/31/2015	COMPLETE	
Informational Meetings		10/1/2013	12/31/2015	PROPOSED	
Habitat Restoration - Shoreland		10/1/2013	12/31/2015	PROPOSED	

Details: Parameter	Value/Amount	Units	Comments		
Shoreline feet restored/enhanced					
Lakes Protection Grant	Long Lake P&R District is sponsoring a Lake Protection grant to protect and improve Long Lake water quality by designing and implementing shoreline restoration and runoff reduction practices. The project also includes an Alum dosage study.	10/1/2013	12/31/2018	COMPLETE	
Lakes Protection Grant		10/1/2013	12/31/2015	PROPOSED	

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
742300	1	Bone Lake	Unnamed
742400	1	Bone Lake	Unnamed
1864900	1	Marsh Lake	Marsh Lake
2070100	5	South Fork Hay River	South Fork Hay River
2078800	3	Moon Creek	Moon Creek
2079400	1	Camelia Lake	Camelia Lake
2449200	1	Alabama Lake (Long)	Alabama Lake
2449400	1	Antler Lake (Pine)	Antler Lake
2449600	1	Badger Lake	Badger Lake
2449700	1	Baker Lake	Baker Lake
2450300	1	Barneys Lake	Barneys Lake
2450700	1	Bass Lake	Bass Lake
2450800	1	Bass Lake	Bass Lake
2452000	1	Bass Lake (Sterling)	Bass Lake

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

2452100	1	Basswood Lake (Bass)	Basswood Lake
2452200	1	Bear Lake	Bear Lake
2452500	1	Beautiful Lake	Beautiful Lake
2452700	1	Beede Lake	Beede Lake
2453900	1	Black Lake	Black Lake
2454400	1	Bone Lake T32nr16w S27	Bone Lake
2454900	1	Briar Lake	Briar Lake
2455300	1	Brusher Lake	Brusher Lake
2455800	1	Laketown 16-1	Bullhead Lake
2456200	1	Camp Douglas Lake	Camp Douglas Lake
2456300	1	Camp Lake	Camp Lake
2456800	1	Center Lake (Big)	Big Lake
2457100	1	Chelstrom Lake	Chelstrom Lake
2457300	1	Clara Lake	Clara Lake
2457400	1	Clarey Lake (Twin)	Twin Lakes
2457500	1	Clauson Lake	Clauson Lake
2457800	1	Clover Lake	Clover Lake
2458900	1	Crescent Lake (Pickerel)	Pickerel Lake
2459000	1	Crooked Lake	Crooked Lake
2459900	1	Dahl Lake	Dahl Lake
2460100	1	Deedon Lake	Deedon Lake
2460400	1	Eureka-West 15-8	Deer Lake
2460500	1	Deer Lake (T36n R15w S23-13)	Deer Lake
2460800	1	Depot Lake	Depot Lake
2461200	1	Diamond Lake	Diamond Lake
2461300	1	Dinger Lake	Dinger Lake
2461900	1	Duck Lake	Duck Lake
2462700	1	East Lake T35n R17w S33	East Lake
2462800	1	East Lake T34n R16w S18(Volga)	East Lake
2463100	1	Elbow Lake	Elbow Lake
2463200	1	Elkins Lake	Elkins Lake
2463400	1	Ellofson Lake	Ellofson Lake
2463600	1	Ember Lake	Ember Lake
2463900	1	Evergreen Lake (Deer)	Deer Lake
2464200	1	Fern Lake	Fern Lake

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

2464900	1	Footes Lake	Footes Lake
2465000	1	Fountain Lake	Fountain Lake
2465600	1	Garfield Lake (Big Horseshoe)	Horseshoe Lake
2465800	1	Gibson Lake	Gibson Lake
2465900	1	Gilbert Lake	Gilbert Lake
2466200	1	Glovers Lake	Glovers Lake
2466700	1	Gorres Lake	Gorres Lake
2466800	1	Grass Lake	Grass Lake
2467000	1	Greeley Lake	Greeley Lake
2467400	1	Grimhs Lake	Grimhs Lake
2467500	1	Grouse Lake	Grouse Lake
2467800	1	Hamble Lakes (Twin)	Twin Lakes
2468100	1	Hatchet Lake	Hatchet Lake
2468400	1	Hawthorn Lake	Hawthorn Lake
2468500	1	Hay Lake	Hay Lake
2468900	1	Herby Lake	Herby Lake
2469200	1	Highland Lake	Highland Lake
2469600	1	Hoover Lake	Hoover Lake
2470100	1	Horseshoe Lake (Jensen)	Horseshoe Lake
2470200	1	Ice Lake	Ice Lake
2470400	1	Island Lake T32n R16w S30	Island Lake
2470500	1	Island Lake	Island Lake
2471200	1	Jim Lake	Jim Lake
2471300	1	Joe Lake	Joe Lake
2471400	1	Johnson Lake	Johnson Lake
2472100	1	Kenny Lake	Kenny Lake
2472300	1	King Lake (Pine)	King Lake
2472400	1	Kinney Lake	Kinney Lake
2472600	1	Knife Lake	Knife Lake
2473200	1	Kenabee Lake	Lake Kenabee
2474000	1	Land Lake	Land Lake
2474200	1	Larsen Lake	Larsen Lake
2474500	1	Lee Lake	Lee Lake
2474700	1	Lees Lake	Lees Lake
2474900	1	Legoo Lake	Legoo Lake

Wisconsin Department of Natural Resources SWIMS Project Summary

2476500	1	Little Horseshoe Lake	Little Horseshoe Lake
2476600	1	Little Horseshoe Lake	Little Horseshoe Lake
2476700	1	Little Horseshoe Lake	L Horseshoe Lake, Little Horseshoe Lake
2477100	1	Little Mirror Lake (Pickerel)	Little Mirror Lake
2477200	1	Little Pine Lake	Little Pine Lake
2477400	1	Little Round Lake	Little Round Lake
2477900	1	Little Ward Lake	Little Ward Lake
2478000	1	Lone Pine Lake	Lone Pine Lake
2478100	1	Long Lake T32n R16w S27	Long Lake
2478200	1	Long Lake T34n R17w S06	Long Lake
2478700	1	Loon Lake	Loon Lake
2479200	1	Lost Lake T35n R17w S24	Lost Lake
2479900	1	Lower Pine Lake	Lower Pine Lake
2480500	1	Lykens Lake	Lykens Lake
2480700	1	Mallard Lake	Mallard Lake
2480900	1	Manitou Lake	Manitou Lake
2481000	1	Mansen Lake	Mansen Lake
2481100	1	Marsh Lake	Marsh Lake
2481200	1	Martel Lake	Martel Lake
2481500	1	McKeith Lake	McKeith Lake
2481700	1	Bog Lake	Bog Lake
2482300	1	Miller Camp Lake	Miller Camp Lake
2483100	1	Moccasin Lake (Long)	Long Lake
2483900	1	Mud Lake	Mud Lake
2484000	1	Mud Lake T34n R16w S18	Mud Lake
2484800	1	Mullins Lake	Mullins Lake
2484900	1	Murdock Lake	Murdock Lake
2485600	1	North Fish Lake (Fish)	North Fish Lake
2485700	1	Pipe Lake, North	North Pipe Lake
2486200	1	Nimon Lake (Niemon)	Nimon Lake
2486400	1	None Lake	Big Horseshoe Lake
2487200	1	Omer Lake	Omer Lake
2487500	1	Ox Lake	Ox Lake
2487600	1	Palmer Lake	Palmer Lake
2487800	1	Park Lake	Park Lake

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

2487900	1	Parker Lake	Parker Lake
2488000	1	Paulsen Lake (Alden)	Paulsen Lake
2488900	1	Philips Lake	Phillips Lake
2489600	1	Pine Island Lake	Pine Island Lake
2489900	1	Pine Lake T36n R16w S24	Pine Lake
2490300	1	Pine Lake (Larch)	Pine Lake
2490400	1	Pine Lake T32n R18w S23	Pine Lake
2490500	1	Pipe Lake	Pipe Lake
2490700	1	Pleasant Lake	Pleasant Lake
2490800	1	Pogo Lake (Big)	Big Lake
2491000	1	Poplar Lake	Poplar Lake
2492200	1	Rhinstad Lake	Rhinstad Lake
2492300	1	Rice Lake	Rice Lake
2492700	1	Rock Lake	Rock Lake
2493300	1	Round Lake T34n R18w S36	Round Lake
2494000	1	Round Lake (Cushing)	Round Lake
2494200	1	So. Fish Lake	South Fish Lake
2495000	1	Sand Lake	Sand Lake
2495400	1	Sandhill Lake (Sand)	Sandhill Lake
2496500	1	Shiloh Lake	Shiloh Lake
2496700	1	Silver Lake	Silver Lake
2497200	1	Simpson Lake	Simpson Lake
2497300	1	Skinaway Lake	Skinaway Lake
2497700	1	Smith Lake	Smith Lake
2497800	1	Smith Lake	Smith Lake
2498100	1	Snowshoe Lake	Snowshoe Lake
2498500	1	Spring Lake	Spring Lake
2498800	1	Spur Lake (Little Pine)	Little Pine Lake
2498900	1	Square Lake	Square Lake
2499800	1	Sugarbush Lake	Sugarbush Lake
2499900	1	Summerfield Lake	Summerfield Lake
2500200	1	Surprise Lake	Surprise Lake
2500500	1	Swede Lake	Swede Lake
2500700	1	T Lake	T Lake
2501000	1	Tarbert Lake (Tabor,Twin)	Tarbert Lake

5/20/2024

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

2501900	1	Townline Lake	Townline Lake
2502400	1	Trident Lake (Pine,King)	Trident Lake
2503000	1	Tuttle Lake	Tuttle Lake
2503100	1	Twenty-Ninth Lake	Twenty-Ninth Lake
2503200	1	Twin Lake	Twin Lake
2503400	1	Twin Lakes	Twin Lakes
2505300	1	Un Lake	Unnamed
2505400	1	Un Lake	Unnamed
2505500	1	Un Lake	Unnamed
2505600	1	Un Lake	Unnamed
2505830	1	Local Water	Unnamed
2505900	1	Local Water	Unnamed
2505945	1	Un Lake	Unnamed
2505960	1	Un Lake	Unnamed
2506000	1	Un Lake	Unnamed
2506100	1	Un Lake	Unnamed
2506200	1	Un Lake	Unnamed
2506300	1	Un Lake	Unnamed
2506400	1	Un Lake	Unnamed
2506500	1	Un Lake	Unnamed
2506600	1	Un Lake	Unnamed
2506600	2	Un Lake	Unnamed
2506610	1	Un Lake	Unnamed
2508505	1	Un Lake	Unnamed
2508550	1	Beaver 15	Unnamed
2508590	1	Un Lake	Unnamed
2508600	1	Un Lake	Unnamed
2508700	1	Un Lake	Unnamed
2508800	1	Un Lake	Unnamed
2508900	1	Un Lake	Unnamed
2509000	1	Un Lake	Unnamed
2511400	1	Un Lake	Unnamed
2511450	1	Un Lake	Unnamed
2511500	1	Un Lake	Unnamed
2511600	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

2511700	1	Un Lake	Unnamed
2511800	1	Un Lake	Unnamed
2511900	1	Un Lake	Unnamed
2512000	1	Un Lake	Unnamed
2512100	1	Un Lake	Unnamed
2512200	1	Un Lake	Unnamed
2512300	1	Un Lake	Unnamed
2512400	1	Un Lake	Unnamed
2512500	1	Un Lake	Unnamed
2512600	1	Un Lake	Unnamed
2512700	1	Un Lake	Unnamed
2512800	1	Un Lake	Unnamed
2512900	1	Un Lake	Unnamed
2513000	1	Un Lake	Unnamed
2513100	1	Un Lake	Unnamed
2513200	1	Un Lake	Unnamed
2513300	1	Un Lake	Unnamed
2513380	1	Un Lake	Unnamed
2513400	1	Un Lake	Unnamed
2513500	1	Un Lake	Unnamed
2513600	1	Un Lake	Unnamed
2513700	1	Un Lake	Unnamed
2513800	1	Un Lake	Unnamed
2513900	1	Local Water	Unnamed
2514000	1	Un Lake	Unnamed
2514100	1	Un Lake	Unnamed
2514200	1	Un Lake	Unnamed
2514300	1	Un Lake	Unnamed
2514400	1	Un Lake	Unnamed
2514500	1	Un Lake	Unnamed
2514600	1	Un Lake	Unnamed
2514700	1	Un Lake	Unnamed
2514800	1	Un Lake	Unnamed
2514900	1	Un Lake	Unnamed
2515000	1	Un Lake	Unnamed

5/20/2024

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

2515100	1	Un Lake	Unnamed
2515200	1	Un Lake	Unnamed
2515300	1	Un Lake	Unnamed
2515400	1	Un Lake	Unnamed
2515500	1	Un Lake	Unnamed
2515600	1	Un Lake	Unnamed
2515700	1	Un Lake	Unnamed
2515800	1	Un Lake	Unnamed
2515900	1	Un Lake	Unnamed
2516000	1	Un Lake	Unnamed
2516100	1	Un Lake	Unnamed
2517700	1	Un Lake	Unnamed
2517800	1	Un Lake	Unnamed
2518000	1	Un Lake	Unnamed
2518100	1	Un Lake	Unnamed
2518200	1	Un Lake	Unnamed
2518300	1	Un Lake	Unnamed
2518400	1	Un Lake	Unnamed
2518450	1	Bone Lake 7-14	Unnamed
2518500	1	Bone Lake 8-13	Unnamed
2518600	1	Bone Lake 16-1	Unnamed
2518700	1	Unnamed T36n R16w S18-01	Unnamed
2518800	1	Bone Lake 18-11	Unnamed
2518900	1	Bone Lake 21-3d	Unnamed
2519000	1	Bone Lake 22-4c	Unnamed
2519100	1	Bone Lake 23-1	Unnamed
2519200	1	Bone Lake	Unnamed
2519300	1	Un Lake	Unnamed
2519400	1	Un Lake	Unnamed
2519500	1	Un Lake	Unnamed
2519600	1	Un Lake	Unnamed
2519700	1	Un Lake	Unnamed
2519800	1	Un Lake	Unnamed
2519900	1	Un Lake	Unnamed
2520000	1	Un Lake	Unnamed

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

2520200	1	Un Lake	Unnamed
2520300	1	Un Lake	Unnamed
2520400	1	Un Lake	Unnamed
2520500	1	Un Lake	Unnamed
2520600	1	Un Lake	Unnamed
2520700	1	Un Lake	Unnamed
2520800	1	Un Lake	Unnamed
2520900	1	Local Water	Unnamed
2521000	1	Un Lake	Unnamed
2521100	1	Un Lake	Unnamed
2521200	1	Un Lake	Unnamed
2521300	1	Un Lake	Unnamed
2521400	1	Un Lake	Unnamed
2521500	1	Un Lake	Bullhead Lake
2521600	1	Un Lake	Bullhead Lake
2521700	1	Un Lake	Unnamed
2521800	1	Un Lake	Unnamed
2521900	1	Un Lake	Unnamed
2522000	1	Un Lake	Unnamed
2522100	1	Un Lake	Unnamed
2522200	1	Un Lake	Unnamed
2522300	1	Un Lake	Unnamed
2522400	1	Local Water	Unnamed
2522500	1	Un Lake	Unnamed
2522600	1	Un Lake	Unnamed
2522700	1	Un Lake	Unnamed
2522800	1	Un Lake	Spring Lake
2522900	1	Un Lake	Unnamed
2523000	1	Un Lake	Unnamed
2523100	1	Un Lake	Unnamed
2523200	1	Un Lake	Unnamed
2523300	1	Un Lake	Unnamed
2523400	1	Un Lake	Unnamed
2523500	1	Un Lake	Unnamed
2523600	1	Un Lake	Unnamed

5/20/2024

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

2528700	1	Un Lake	Unnamed
2528800	1	Un Lake	Unnamed
2528900	1	Un Lake	Unnamed
2529000	1	Un Lake	Unnamed
2529200	1	Un Lake	Unnamed
2529300	1	Un Lake	Unnamed
2529400	1	Un Lake	Unnamed
2529600	1	Un Lake	Unnamed
2529700	1	Un Lake	Unnamed
2529800	1	Un Lake	Unnamed
2529900	1	Un Lake	Unnamed
2530000	1	Un Lake	Unnamed
2530100	1	Un Lake	Unnamed
2530200	1	Un Lake	Unnamed
2530300	1	Un Lake	Unnamed
2530400	1	Un Lake	Unnamed
2530500	1	Un Lake	Unnamed
2530600	1	Un Lake	Unnamed
2530700	1	Un Lake	Unnamed
2530800	1	Un Lake	Unnamed
2530900	1	Un Lake	Unnamed
2531000	1	Unnamed T37n R17w S30-05	Unnamed
2531100	1	Un Lake	Unnamed
2531200	1	Un Lake	Unnamed
2532900	1	Un Lake	Unnamed
2558550	1	Un Lake	Unnamed
2597600	1	Local Water	Unnamed
2597600	2	Local Water	Unnamed
2597600	3	Local Water	Unnamed
2597800	1	Un Lake	Unnamed
2597820	1	Un Lake	Unnamed
2598500	1	Vincent Lake	Vincent Lake
2599300	1	Wallin Lake	Wallin Lake
2599400	1	Ward Lake	Ward Lake
2599900	1	Weiss Lake	Weiss Lake

5/20/2024

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

2600400	1	Wild Goose Lake	Wild Goose Lake
2600900	1	Woodsman Lake (Mud)	Mud Lake
2601200	1	Young Lake	Young Lake
2601400	2	St Croix River	Saint Croix River
2601400	3	St Croix River	Saint Croix River
2601400	4	St. Croix River	Saint Croix River
2606900	83	Willow River (North Fork)	Willow River
2611700	1	Black Brook	Black Brook
2611700	2	Black Brook	Black Brook
2611700	3	Black Brook	Black Brook
2613000	1	Unnamed Tributary to the Willow River	Unnamed
2613500	1	Un Lake	Unnamed
2614000	4	Apple River	Apple River
2614000	5	Apple River	Apple River
2614000	8	Apple River	Apple River
2614000	13	Apple River	Apple River
2614000	14	Apple River	Apple River
2614000	15	Apple River	Apple River
2615100	1	Cedar Lake	Cedar Lake
2615200	1	Horse Creek	Horse Creek
2615300	1	Rice Creek	Rice Creek
2615400	1	Rice Lake T32n R18w S11	Rice Lake
2615500	1	Forest Creek	Forest Creek
2615700	1	Mud Lake T33n R18w S35	Mud Lake
2615900	1	Big Lake	Big Lake
2616000	1	Wind Lake (Round)	Wind Lake
2616100	1	Church Pine Lake (Pine)	Church Pine Lake
2616200	1	Horse Lake	Horse Lake
2616400	1	Lake Round (Dwight)	Round Lake
2616500	1	Marlpit Creek	Marlpit Creek
2616700	1	Marlpit Springs	Marlpit Spring
2616800	1	Behning Creek	Behning Creek
2616900	1	Lotus Lake	Lotus Lake
2617200	1	Wagon Landing Creek	Unnamed
2617200	2	Wagon Landing Springs	Unnamed

5/20/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

2617300	1	Peabody Creek	Peabody Creek
2617300	2	Peabody Creek	Peabody Creek
2617500	1	Un Lake	Unnamed
2617600	1	Goose Lake	Goose Lake
2617700	1	Wapogasset Brook	Wapogasset Br
2617800	1	Deronda Lake	Mud Lake
2618000	1	Wapogasset Lake	Wapogasset Lake
2618100	1	Bear Trap Lake	Bear Trap Lake
2618200	1	Friday Creek	Friday Creek
2618300	1	Balsam Brook	Balsam Br
2618300	2	Balsam Brook	Balsam Br
2618500	1	Un Lake	Unnamed
2619000	1	Toby Creek	Toby Creek
2619100	1	Bridget Lake (Mud)	Mud Lake
2619200	1	Deer Creek	Deer Creek
2619400	1	Deer Lake	Deer Lake
2619500	1	Rock Creek	Rock Creek
2619600	1	Toby Spring	Toby Spring
2619700	1	Bass Cr	Bass Creek
2619800	1	Little Bass Lake	Little Bass Lake
2620000	1	Loveless Lake (Bass)	Loveless Lake
2620200	1	Un Lake	Unnamed
2620400	1	Mill Pond	Mill Pond
2620600	1	Balsam Lake	Balsam Lake
2620600	2	East Balsam Lake	Balsam Lake
2620800	1	Laurel Lake	Laurel Lake
2620900	1	Harder Creek	Harder Creek
2620900	2	Harder Creek	Harder Creek
2621100	1	Half Moon Lake	Half Moon Lake
2621200	1	Rice Creek	Rice Creek
2621200	2	Rice Creek	Rice Creek
2621300	1	Otter Creek	Otter Creek
2621300	2	Otter Creek	Otter Creek
2621400	1	Un Lake	Unnamed
2621500	1	Unnamed T35n R17w S16-15	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

2621600	1	Rice Lake (Glenton)	Rice Lake
2621700	1	Parker Creek	Parker Creek
2621900	1	Black Brook Flowage	Black Brook Flowage
2622000	1	Bull Brook	Bull Brook
2622000	2	Bull Brook	Bull Brook
2622400	1	Lincoln Lake	Lincoln Lake
2622500	1	Un Lake	Unnamed
2622600	1	Snake Creek	Snake Creek
2622900	1	Snake Lake	Snake Lake
2623000	1	French Creek	French Creek
2623200	1	French Lake	French Lake
2623300	1	Un Lake	Unnamed
2623500	1	Clear Lake	Clear Lake
2623600	1	Ice House Lake	Ice House Lake
2623800	1	Twin Lake, South	South Twin Lake
2623900	1	Twin Lake, North	North Twin Lake
2624000	1	Pike Lake	Pike Lake
2624200	1	Apple River Flowage	Apple River Flowage
2624300	1	Beaver Brook	Beaver Brook
2624400	1	South Branch Beaver Brook	South Branch Beaver Brook
2624500	1	Nepadoggen Creek	Nepadoggen Creek
2624600	1	Magnor Lake (Richardson)	Magnor Lake
2624800	1	Mud Lake	Mud Lake
2624900	1	Barbo Lake	Barbo Lake
2625000	1	Paulson Lake	Paulson Lake
2625100	1	Clayton Branch	Clayton Br
2625500	1	North Branch Beaver Brook	North Branch Beaver Brook
2625700	1	Joel Flowage	Joel Flowage
2626100	1	Burns Creek	Burns Creek
2626200	1	Markee Creek	Markee Creek
2626300	1	Markee (Marquee) Spring	Markee Spring
2626500	1	Shiloh Flowage	Shiloh Flowage
2626600	1	North Channel Apple River	Apple River -North Channel
2626700	1	Local Water	Unnamed
2626800	1	Fox Creek	Fox Creek

Wisconsin Department of Natural Resources

SWIMS Project Summary

2626900	1	Straight River	Straight River
2626900	2	Straight River	Straight River
2626900	3	Straight River	Straight River
2626900	4	Straight River	Straight River
2626900	5	Straight River	Straight River
2626950	1	Local Water	Unnamed
2626955	1	Un Lake	Unnamed
2627000	1	Big Blake Lake (Blake)	Big Blake Lake
2627100	1	Lost Creek	Lost Creek
2627200	1	Lost Lake T35n R16w S15	Lost Lake
2627300	1	Little Blake Lake	Little Blake Lake
2627400	1	Big Round Lake	Big Round Lake
2627500	1	Evelyn Creek	Evelyn Creek
2627600	1	Local Water	Unnamed
2627700	1	Lake Evelyn	Lake Evelyn
2627800	1	Straight Lake	Straight Lake
2627900	1	Local Water	Unnamed
2628000	1	Local Water	Unnamed
2628100	1	Bone Lake T35n R16w S06	Bone Lake
2628200	1	Prokor Creek	Prokor Creek
2628300	1	Local Water	Unnamed
2628350	1	Un Lake	Unnamed
2628400	1	Local Water	Unnamed
2628500	1	Un Lake	Unnamed
2628550	1	Local Water	Unnamed
2628600	1	White Ash Lake	White Ash Lake
2628700	1	Local Water	Unnamed
2628800	1	White Ash Lake, North	White Ash Lake
2628900	1	Rice Bed Creek	Rice Bed Creek
2628900	2	Rice Bed Creek	Rice Bed Creek
2629100	1	Local Water	Unnamed
2629200	1	Un Lake	Unnamed
2629300	1	Little Round Lake	Little Round Lake
2629500	1	Snake Lake	Snake Lake
2630000	1	Mud Lake T34n R15w S01	Mud Lake

Wisconsin Department of Natural Resources SWIMS Project Summary

2630100	1	Horseshoe Lake	Horseshoe Lake
2631200	1	Staples Lake	Staples Lake
2631300	1	Local Water	Unnamed
2631400	1	Chain Lakes	Chain Lakes
2631600	1	Long Lake (Helbig)	Long Lake
2631700	1	Round Lake (Heath)	Round Lake
2631800	1	Dace Lake (Mud)	Mud Lake
2632000	1	Local Water	Unnamed
2632700	1	Osceola Creek	Osceola Creek
2632700	2	Osceola Creek	Osceola Creek
2632700	3	Osceola Creek	Osceola Creek
2633300	1	Osceola Lake	Osceola Lake
2633500	1	St Croix River -Lower Lake	Lower Lake
2633600	1	Silver Brook Creek	Unnamed
2633620	1	Un Lake	Unnamed
2633700	1	Peaslee Lake	Rice Lake
2633900	1	Peaslee Lake	Peaslee Lake
2634000	1	St Croix River -Folsom Lake	Folsom Lake
2634100	1	Silver Brook Creek	Unnamed
2634200	1	Lake O'The Dalles (Thaxter)	Lake O' the Dalles
2634400	1	Indianhead Flowage	Indianhead Flowage
2634450	1	Vermont Creek	Vermont Creek
2634500	1	Big Rock Creek	Big Rock Creek
2634600	1	Un Lake	Unnamed
2635000	1	Un Lake	Unnamed
2635200	2	Wolf Creek	Wolf Creek
2635200	3	Wolf Creek	Wolf Creek
2635200	4	Wolf Creek	Wolf Creek
2635200	5	Wolf Creek	Wolf Creek
2635300	1	Marsh Creek	Marsh Creek
2635400	1	Roger Lake	Roger Lake
2635500	1	Orr Creek	Orr Creek
2635500	2	Orr Creek	Orr Creek
2635600	1	Orr Lake (Ore)	Orr Lake
2635800	1	Grandquist Lake	Grandquist Lake

Wisconsin Department of Natural Resources SWIMS Project Summary

2635900	1	Wolf Lake	Wolf Lake
2636000	1	Trade River	Trade River
2636000	3	Trade River	Trade River
2636000	4	Trade River	Trade River
2636000	5	Trade River (N Br)	Trade River
2636000	8	Trade River	Trade River
2636000	9	Trade River	Trade River
2636100	1	Cowan Creek	Cowan Creek
2636300	1	Cold Creek	Cold Creek
2636700	1	North Creek	North Creek
2636800	1	Logging Creek	Logging Creek
2639200	1	Gabrielson Lake (Gabelson)	Gabrielson Lake
2640500	1	Long Trade Lake	Long Trade Lake
2640600	1	Butternut Creek	Butternut Creek
2640600	2	Butternut Creek	Butternut Creek
2640700	1	Little Butternut Lake	Little Butternut Lake
2641000	1	Big Butternut Lake	Big Butternut Lake
2641200	1	Local Water	Unnamed
2641300	1	Hanes Creek	Hanes Creek
2641300	2	Hanes Creek	Hanes Creek
2641300	3	Hanes Creek	Hanes Creek
2641400	1	Forsythe Lake	Forsythe Lake
2641500	50	Freedom Lakes	Freedom Lakes
2641550	1	Un Lake	Unnamed
2641600	1	South Branch Trade River	South Branch Trade River
2641700	1	North Star Creek	North Star Creek
2641800	1	Brown Brook	Brown Brook
2641900	1	Un Lake	Unnamed
2642000	1	Coon Lake	Coon Lake
2642200	1	Un Lake	Unnamed
2642400	1	Lagoo Creek	Lagoo Creek
2642500	1	Un Lake	Unnamed
2642600	1	Un Lake	Unnamed
2642900	2	Wood River	Wood River
2649900	2	Spirit Creek	Spirit Creek

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

2649900	3	Spirit Creek	Spirit Creek
2649900	4	Spirit Creek	Spirit Creek
2650500	1	Un Lake	Unnamed
2650600	1	Rice Lake	Rice Lake
2650700	1	Un Lake	Unnamed
2650800	1	Unnamed Stream	Unnamed
2651200	1	Grass Lake	Grass Lake
2651300	1	Blom Lake	Blom Lake
2652200	1	Unnamed Stream	Unnamed
2652300	1	Hickory Lake	Hickory Lake
2652400	1	Aspen Lake	Aspen Lake
2652500	1	Unnamed Stream	Unnamed
2652600	1	Unnamed Stream	Unnamed
2654200	4	Clam River	Clam River
2654200	5	Clam River	Clam River
2654200	6	Clam River	Clam River
2654200	7	Clam River	Clam River
2654200	8	Clam River	Clam River
2657800	1	Indian Creek	Indian Creek
2657800	2	Indian Creek	Indian Creek
2658200	1	Denny Lake	Denny Lake
2658600	1	Spencer Creek	Spencer Creek
2658800	1	Un Lake	Unnamed
2658900	1	Spencer Creek Springs outlet	Unnamed
2659000	1	Un Spring	Un Spring
2659100	1	Un Lake	Unnamed
2659400	2	Sand Creek	Sand Creek
2659400	4	Sand Creek	Sand Creek
2660100	1	Orr Creek	Orr Creek
2660100	2	Orr Creek	Orr Creek
2664600	1	Gillespie Creek	Gillespie Creek
2665400	1	Knapp Creek	Knapp Creek
2665400	2	Knapp Creek	Knapp Creek
2665400	3	Knapp Creek	Knapp Creek
2665600	1	Knapp Flowage	Knapp Flowage

Wisconsin Department of Natural Resources SWIMS Project Summary

2665700	1	Godfrey Lake	Godfrey Lake
2665800	1	Somers Creek	Somers Creek
2665800	2	Somers Creek	Somers Creek
2665800	3	Somers Creek	Somers Creek
2665900	1	Somers Lake	Somers Lake
2666000	1	Baker Lake	Bosak Lake
2666400	1	Clam Falls Flowage	Clam Falls Flowage
2666500	1	Maple Valley Creek	Maple Valley Creek
2666600	1	Mckenzie Creek	McKenzie Creek
2666600	2	Mckenzie Creek	McKenzie Creek
2666600	3	Mckenzie Creek	McKenzie Creek
2666700	1	Little Mckenzie Creek	Little McKenzie Creek
2666900	1	Margaret Lake	Margaret Lake
2667000	1	Mohnson Creek	Mohnson Creek
2667200	1	Tula Lake	Tula Lake
2667300	1	Mckenzie Lake	McKenzie Lake
2667500	1	Mckinley Creek	McKinley Creek
2667700	1	Mackie Lake	Mackie Lake
2667800	1	Largon Creek	Largon Creek
2667800	2	Largon Creek	Largon Creek
2668100	1	Largon Lake	Largon Lake
2668200	1	Little Largon Lake	Little Largon Lake
2668300	1	Lamont Creek	Lamont Creek
2668400	1	Sedge Lake	Sedge Lake
2668500	1	Lamont Lake	Lamont Lake
2668600	1	Andrus Lake (Little Round)	Andrus Lake
2668700	1	Sucker Creek	Sucker Creek
2668900	1	Un Lake	Unnamed
2669000	1	Johnson Lake T36n R15w S26	Johnson Lake
2669100	1	Wintergreen Lake	Wintergreen Lake
2669200	1	Mud Lake T36n R15w S23	Black Bear Lake
2669300	1	Grenquist Lake (Greenquist)	Grenquist Lake
3000090	1	Local Water	Unnamed
3000162	1	Creek 36-14	Unnamed
3000221	1	Unnamed Stream	Unnamed

5/20/2024

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

3000255	1	Local Water	Unnamed
3000266	1	Black Brook Springs	Unnamed
3000295	1	Local Water	Unnamed
3000514	1	Unnamed Creek 16-11	Unnamed
5004383	1	Unnamed Stream	Unnamed
5004460	1	Unnamed Stream	Unnamed
5004519	1	Unnamed Stream	Unnamed
5004532	1	Unnamed Stream	Unnamed
5004590	1	Unnamed Stream	Unnamed
5004652	1	Unnamed Stream	Unnamed
5004662	1	Unnamed Stream	Unnamed
5004689	1	Unnamed Stream	Unnamed
5004764	1	Unnamed Stream	Unnamed
5004886	1	Local Water	Unnamed
5004892	1	Local Water	Unnamed
5004940	1	Local Water	Unnamed
5004965	1	Local Water	Unnamed
5005024	1	Local Water	Unnamed
5005166	1	Local Water	Unnamed
5005231	1	Local Water	Unnamed
5005244	1	Local Water	Unnamed
5005251	1	Local Water	Unnamed
5005299	1	Local Water	Unnamed
5005352	1	Local Water	Unnamed
5005381	1	Local Water	Unnamed
5005397	1	Local Water	Unnamed
5005415	1	Local Water	Unnamed
5005442	1	Local Water	Unnamed
5005453	1	Local Water	Unnamed
5005489	1	Local Water	Unnamed
5005523	1	Local Water	Unnamed
5005556	1	Local Water	Unnamed
5005564	1	Local Water	Unnamed
5005572	1	Local Water	Unnamed
5005610	1	Local Water	Unnamed

5/20/2024

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

5005615	1	Local Water	Unnamed
5005618	1	Local Water	Unnamed
5005652	1	Local Water	Unnamed
5005726	1	Local Water	Unnamed
5005743	1	Local Water	Unnamed
5005751	1	Local Water	Unnamed
5005833	1	Local Water	Unnamed
5005843	1	Local Water	Unnamed
5005925	1	Local Water	Unnamed
5006030	1	Local Water	Unnamed
5006098	1	Local Water	Unnamed
5006441	1	Lotus Lake Outlet	Unnamed
5006441	2	Unnamed Trib to Lotus Lake	Unnamed
5006625	1	Local Water	Unnamed
5007694	1	Strohbeen Wetland Inflow	Unnamed
5514420	1	Local Water	Unnamed
5514461	1	Local Water	Unnamed
5514507	1	Spencer Springs pond	Unnamed
5514604	1	Local Water	Unnamed
5514849	1	Local Water	Unnamed
5515113	1	Local Water	Unnamed
5515136	1	Local Water	Unnamed
5515208	1	Local Water	Unnamed
5515309	1	Local Water	Unnamed
5515427	1	Local Water	Unnamed
5515579	1	Local Water	Unnamed
5515583	1	Local Water	Unnamed
5515616	1	Local Water	Unnamed
5515739	1	Local Water	Unnamed
5516015	1	Local Water	Unnamed
5516244	1	Local Water	Unnamed
5516289	1	Local Water	Unnamed
5516560	1	Local Water	Unnamed
5516659	1	Local Water	Unnamed
5516671	1	Freedom Lakes	Freedom Lakes

5/20/2024

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

5516713	1	Local Water	Unnamed
5516725	1	Local Water	Unnamed
5516993	1	Local Water	Unnamed
5517025	1	Local Water	Unnamed
5517113	1	Local Water	Unnamed
5517147	1	Local Water	Unnamed
5517276	1	Local Water	Unnamed
5517417	1	Local Water	Unnamed
5517483	1	Local Water	Unnamed
5517549	1	Local Water	Unnamed
5517600	1	Local Water	Unnamed
5517635	1	Local Water	Unnamed
5517699	1	Local Water	Unnamed
5517702	1	Local Water	Unnamed
5517764	1	Local Water	Unnamed
5517811	1	Local Water	Unnamed
5517864	1	Local Water	Unnamed
5517885	1	Local Water	Unnamed
5517905	1	Local Water	Unnamed
5517920	1	Local Water	Unnamed
5517944	1	Local Water	Unnamed
5517967	1	Local Water	Unnamed
5518006	1	Local Water	Unnamed
5518030	1	Local Water	Unnamed
5518156	1	Local Water	Unnamed
5518205	1	Local Water	Unnamed
5518249	1	Unnamed Lake	Unnamed
5518328	1	Local Water	Unnamed
5518384	1	Local Water	Unnamed
5518422	1	Local Water	Unnamed
5518429	1	Unnamed Lake	Unnamed
5518499	1	Local Water	Unnamed
5518524	1	Local Water	Unnamed
5518544	1	Local Water	Unnamed
5518616	1	Local Water	Unnamed

5/20/2024

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

5518666	1	Local Water	Unnamed
5518775	1	Local Water	Unnamed
5518780	1	Local Water	Unnamed
5518838	1	Local Water	Unnamed
5518876	1	Local Water	Unnamed
5519005	1	Local Water	Unnamed
5519138	1	Local Water	Unnamed
5519199	1	Local Water	Unnamed
5519208	1	Local Water	Unnamed
5519230	1	Local Water	Unnamed
5519238	1	Local Water	Unnamed
5519283	1	Local Water	Unnamed
5519290	1	Local Water	Unnamed
5519358	1	Local Water	Unnamed
5519398	1	Local Water	Unnamed
5519469	1	Local Water	Unnamed
5519645	1	Local Water	Unnamed
5519694	1	Local Water	Unnamed
5519703	1	Local Water	Unnamed
5519752	1	Local Water	Unnamed
5519761	1	Local Water	Unnamed
5519786	1	Local Water	Unnamed
5519853	1	Local Water	Unnamed
5519919	1	Local Water	Unnamed
5519923	1	Local Water	Unnamed
5519938	1	Local Water	Unnamed
5519981	1	Local Water	Unnamed
5519994	1	Local Water	Unnamed
5520081	1	Local Water	Unnamed
5520138	1	Local Water	Unnamed
5520142	1	Local Water	Unnamed
5520226	1	Local Water	Unnamed
5520252	1	Local Water	Unnamed
5520293	1	Local Water	Unnamed
5520324	1	Local Water	Unnamed

5/20/2024

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

5520349	1	Local Water	Unnamed
5520361	1	Local Water	Unnamed
5520371	1	Local Water	Unnamed
5520438	1	Local Water	Unnamed
5520507	1	Local Water	Unnamed
5520572	1	Local Water	Unnamed
5520579	1	Local Water	Unnamed
5520592	1	Local Water	Unnamed
5520595	1	Local Water	Unnamed
5520599	1	Local Water	Unnamed
5520620	1	Local Water	Unnamed
5520646	1	Local Water	Unnamed
5520652	1	Local Water	Unnamed
5520657	1	Local Water	Unnamed
5520704	1	Local Water	Unnamed
5520797	1	Local Water	Unnamed
5520805	1	Local Water	Unnamed
5520809	1	Local Water	Unnamed
5520853	1	Local Water	Unnamed
5520947	1	Local Water	Unnamed
5520973	1	Local Water	Unnamed
5521051	1	Local Water	Unnamed
5521061	1	Local Water	Unnamed
5521071	1	Local Water	Unnamed
5521093	1	Local Water	Unnamed
5521113	1	Local Water	Unnamed
5521116	1	Local Water	Unnamed
5521148	1	Local Water	Unnamed
5521158	1	Local Water	Unnamed
5521213	1	Local Water	Unnamed
5521224	1	Local Water	Unnamed
5521267	1	Local Water	Unnamed
5521294	1	Local Water	Unnamed
5521317	1	Local Water	Unnamed
5521369	1	Local Water	Unnamed

5/20/2024

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

5521374	1	Local Water	Unnamed
5521389	1	Local Water	Unnamed
5521393	1	Local Water	Unnamed
5521448	1	Local Water	Unnamed
5521451	1	Local Water	Unnamed
5521459	1	Local Water	Unnamed
5521544	1	Local Water	Unnamed
5521549	1	Local Water	Unnamed
5521552	1	Local Water	Unnamed
5521574	1	Local Water	Unnamed
5521600	1	Local Water	Unnamed
5521605	1	Local Water	Unnamed
5521614	1	Local Water	Unnamed
5521615	1	Local Water	Unnamed
5521643	1	Local Water	Unnamed
5521669	1	Local Water	Unnamed
5521670	1	Local Water	Unnamed
5521688	1	Local Water	Unnamed
5521695	1	Local Water	Unnamed
5521801	1	Local Water	Unnamed
5521849	1	Local Water	Unnamed
5521852	1	Local Water	Unnamed
5521911	1	Local Water	Unnamed
5521923	1	Local Water	Unnamed
5521962	1	Local Water	Unnamed
5521979	1	Local Water	Unnamed
5521999	1	Local Water	Unnamed
5522074	1	Local Water	Unnamed
5522098	1	Local Water	Unnamed
5522117	1	Local Water	Unnamed
5522260	1	Local Water	Unnamed
5522342	1	Local Water	Unnamed
5522354	1	Local Water	Unnamed
5522406	1	Local Water	Unnamed
5522456	1	Local Water	Unnamed

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

5522464	1	Local Water	Unnamed
5522466	1	Local Water	Unnamed
5522480	1	Local Water	Unnamed
5522486	1	Local Water	Unnamed
5522500	1	Local Water	Unnamed
5522552	1	Local Water	Unnamed
5522610	1	Local Water	Unnamed
5522658	1	Local Water	Unnamed
5522687	1	Local Water	Unnamed
5522707	1	Local Water	Unnamed
5522732	1	Local Water	Unnamed
5522748	1	Local Water	Unnamed
5522760	1	Local Water	Unnamed
5522784	1	Local Water	Unnamed
5522860	1	Local Water	Unnamed
5522911	1	Local Water	Unnamed
5523029	1	Local Water	Unnamed
5523043	1	Local Water	Unnamed
5523044	1	Local Water	Unnamed
5523060	1	Local Water	Unnamed
5523069	1	Local Water	Unnamed
5523082	1	Local Water	Unnamed
5523098	1	Local Water	Unnamed
5523129	1	Local Water	Unnamed
5523130	1	Local Water	Unnamed
5523150	1	Local Water	Unnamed
5523154	1	Local Water	Unnamed
5523157	1	Local Water	Unnamed
5523165	1	Local Water	Unnamed
5523168	1	Local Water	Unnamed
5523182	1	Local Water	Unnamed
5523183	1	Local Water	Unnamed
5523189	1	Local Water	Unnamed
5523346	1	Local Water	Unnamed
5523389	1	Local Water	Unnamed

5/20/2024

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

5523463	1	Local Water	Unnamed
5523468	1	Local Water	Unnamed
5523512	1	Local Water	Unnamed
5523612	1	Local Water	Unnamed
5523692	1	Unnamed Lake	Unnamed
5523705	1	Local Water	Unnamed
5523708	1	Local Water	Unnamed
5523737	1	Local Water	Unnamed
5523812	1	Local Water	Unnamed
5523827	1	Local Water	Unnamed
5523858	1	Local Water	Unnamed
5523866	1	Local Water	Unnamed
5523927	1	Local Water	Unnamed
5523998	1	Local Water	Unnamed
5524120	1	Local Water	Unnamed
5524164	1	Local Water	Unnamed
5524165	1	Local Water	Unnamed
5524171	1	Local Water	Unnamed
5524218	1	Local Water	Unnamed
5524266	1	Local Water	Unnamed
5524296	1	Local Water	Unnamed
5524418	1	Local Water	Unnamed
5524498	1	Local Water	Unnamed
5524579	1	Local Water	Unnamed
5524929	1	Local Water	Unnamed
5524953	1	Local Water	Unnamed
5524984	1	Local Water	Unnamed
5525055	1	Local Water	Unnamed
5525057	1	Local Water	Unnamed
5525129	1	Local Water	Unnamed
5525136	1	Local Water	Unnamed
5525170	1	Local Water	Unnamed
5525293	1	Local Water	Unnamed
5525356	1	Local Water	Unnamed
5525420	1	Local Water	Unnamed

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

5525449	1	Local Water	Unnamed
5525464	1	Local Water	Unnamed
5525495	1	Local Water	Unnamed
5525544	1	Local Water	Unnamed
5525587	1	Local Water	Unnamed
5525743	1	Local Water	Unnamed
5525850	1	Local Water	Unnamed
5525948	1	Local Water	Unnamed
5525999	1	Local Water	Unnamed
5526018	1	Local Water	Unnamed
5526068	1	Local Water	Unnamed
5526174	1	Local Water	Unnamed
5526234	1	Local Water	Unnamed
5526235	1	Local Water	Unnamed
5526265	1	Local Water	Unnamed
5526383	1	Local Water	Unnamed
5526396	1	Local Water	Unnamed
5526533	1	Local Water	Unnamed
5526548	1	Local Water	Unnamed
5526551	1	Local Water	Unnamed
5526584	1	Local Water	Unnamed
5526585	1	Local Water	Unnamed
5526609	1	Local Water	Unnamed
5526669	1	Local Water	Unnamed
5526681	1	Local Water	Unnamed
5526703	1	Local Water	Unnamed
5526737	1	Local Water	Unnamed
5526759	1	Local Water	Unnamed
5526767	1	Local Water	Unnamed
5526784	1	Local Water	Unnamed
5526832	1	Local Water	Unnamed
5526845	1	Local Water	Unnamed
5526920	1	Local Water	Unnamed
5526927	1	Local Water	Unnamed
5526936	1	Local Water	Unnamed

5/20/2024

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

5526938	1	Local Water	Unnamed
5526939	1	Local Water	Unnamed
5526944	1	Local Water	Unnamed
5526947	1	Local Water	Unnamed
5526980	1	Local Water	Unnamed
5527001	1	Local Water	Unnamed
5527007	1	Local Water	Unnamed
5527014	1	Local Water	Unnamed
5527070	1	Lake Alice	Lake Alice
5527085	1	Local Water	Unnamed
5527100	1	Local Water	Unnamed
5527136	1	Local Water	Unnamed
5527164	1	Local Water	Unnamed
5527185	1	Local Water	Unnamed
5527210	1	Local Water	Unnamed
5527219	1	Local Water	Unnamed
5527232	1	Local Water	Unnamed
5527248	1	Local Water	Unnamed
5527306	1	Local Water	Unnamed
5527381	1	Local Water	Unnamed
5527384	1	Local Water	Unnamed
5527391	1	Local Water	Unnamed
5527420	1	Local Water	Unnamed
5527423	1	Local Water	Unnamed
5527445	1	Local Water	Unnamed
5527465	1	Local Water	Unnamed
5527546	1	Local Water	Unnamed
5527617	1	Local Water	Unnamed
5581898	1	Local Water	Unnamed
5581899	1	Local Water	Unnamed
5581901	1	Local Water	Unnamed
5581902	1	Local Water	Unnamed
5581903	1	Local Water	Unnamed
5583442	1	Local Water	Unnamed
5583452	1	Local Water	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

5583460	1	Local Water	Unnamed
5583462	1	Local Water	Unnamed
5583469	1	Local Water	Unnamed
5583494	1	Local Water	Unnamed
5583507	1	Local Water	Unnamed
5583520	1	Local Water	Unnamed
5583544	1	Local Water	Unnamed
5583572	1	Local Water	Unnamed
5583603	1	Local Water	Unnamed
5583616	1	Local Water	Unnamed
5583621	1	Local Water	Unnamed
5583631	1	Local Water	Unnamed
5583687	1	Local Water	Unnamed
5583690	1	Local Water	Unnamed
5583702	1	Local Water	Unnamed
5583706	1	Local Water	Unnamed
5583716	1	Local Water	Unnamed
5583718	1	Local Water	Unnamed
5583722	1	Local Water	Unnamed
5583747	1	Local Water	Unnamed
5583805	1	Local Water	Unnamed
5584056	1	Unnamed backwaters of the St. Croix River	Unnamed
5584057	1	Unnamed backwaters of the St. Croix River	Unnamed
5584068	1	Local Water	Unnamed
5591424	1	Unnamed	Unnamed

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	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Bolmgren Runoff Reduction Plan Long Lake	Silt fence must be installed below any areas of excavation or where excavated or construction materials are placed.	Bolmgren	6/11/2020	
Final Narrative Report - Through December 2017 [LPT-466-14]	Document summarizes activities as part of LPT-466-14.	Northwoods Land Trust	3/28/2018	
Freundschuh Infiltration Pit and Rain Garden Plan	Freundschuh Infiltration Pit and Rain Garden Plan	Freundschuh		
Invitation for Bid for Alum Treatment	Document outlining the description of the alum treatment area, conditions of the project, and terms.	Long Lake Protection and Rehabilitation District	1/1/2017	
LPT 466-14_Final Report [Alum Executive Summary]	Internal Phosphorus Loading and Alum Dosage Considerations for Long Lake	Cheryl Clemens	9/1/2014	
LPT 466-14_Final Report [Cost-Sharing Signed Johnson]	Signed cost-sharing agreement for native planting	Larry and Susan Johnson	6/22/2015	
LPT 466-14_Final Report [Cost-Sharing Signed Krieg and Robinson]	Signed cost-sharing form for native plant planting	Holly and Mike Krieg, Lacey and Charles Robinson	10/30/2014	
LPT 466-14_Final Report [Cost-Sharing Signed Town of Balsam Lake]	Signed cost-sharing agreement	Town of Balsam Lake	9/19/2016	
LPT 466-14_Final Report [Land Permit Krieg]	Land use permit from Polk Co. for the Krieg/Robinson property	Holly Krieg	10/7/2013	
LPT 466-14_Final Report [Long Lake Sediment Report]	Sediment report for Long Lake	University of Wisconsin - Stout	9/18/2014	
LPT 466-14_Final Report [Native Plant List - Maple Forest]	Native plant list for Maple Forest - Polk Co.	Unknown	9/15/2013	
LPT 466-14_Final Report [North Landing Design]	Stormwater mitigation design for the North Landing of Long Lake	C Clemens	9/21/2016	
LPT 466-14_Final Report [Otte Shoreland Buffer Diagram]	Buffer restoration plan diagram for the Otte property	Katelin Holm	6/30/2014	
LPT 466-14_Final Report [Rain Garden Deseign Krieg]	Rain garden design drawing for the Krieg property	Katelin Holm	8/28/2013	
LPT 466-14_Final Report [Rain Garden Deseign Wallis]	Rain garden plant list and drawings for the Wallis property	Jeanne Wallis	8/14/2014	
LPT 466-14_Final Report [Rain Garden Drawings and Specs Majors]	Rain garden drawings and specifications for the Majors property	C Clemens	9/8/2014	
LPT 466-14_Final Report [Rain Garden Instructions]	Rain garden design instructions	WI DNR	1/1/2013	

Wisconsin Department of Natural Resources SWIMS Project Summary

LPT 466-14_Final Report [Rock Infiltration Trench Wiemann]	Plans for a rock infiltration trench on the Wiemann property	Dan and Jolene Wiemann	6/15/2016	
LPT 466-14_Final Report [Rock Pit Design Krieg]	Rock pit design for the Krieg property	Katelin Holm	8/28/2013	
LPT 466-14_Final Report [Runoff Reduction Plan and Narrative Majors]	Runoff reduction plan and narrative for the Majors property	Mary Majors	9/8/2014	
LPT 466-14_Final Report [Schmidt Plan Narrative]	Runoff reduction plan narrative and predicted cost for Schmidt property plan	Thomas and Diane Schmidt	9/12/2016	
LPT 466-14_Final Report [Schmidt Rain Garden Plans]	Rain garden plans including drawings and predicted cost for project	Thomas and Diane Schmidt	9/12/2016	
LPT 466-14_Final Report [Sherod Waterfront Project Plans]	Waterfront project plans including drawings, plant list, and cost predictions	Steve and Elizabeth Sherod	5/28/2014	
LPT 466-14_Final Report [Shoreline Buffer Zone Instructions]	Instructions for how to make a shoreline buffer zone	WI DNR	9/15/2013	
LPT 466-14_Final Report [Signed Cost-Share Finch]	Signed cost-share agreement for native planting	Michael Finch	7/17/2015	
LPT 466-14_Final Report [Signed Cost-Share Hansen]	Cost-share agreement for rock infiltration practice installation on the Hansen property	Joseph Hansen	12/14/2018	
LPT 466-14_Final Report [Signed Cost-Share Majors]	Signed cost-share agreement for native planting	Mary Majors	9/22/2014	
LPT 466-14_Final Report [Signed Cost-Share Patterson]	Signed cost-share agreement for water and sediment control basin	Dolores and Daniel Patterson	4/1/2015	
LPT 466-14_Final Report [Signed Cost-Share Pruess]	Cost-share agreement for rock infiltration practice installation on the Pruess property	Vickie Bjorkman	9/21/2018	
LPT 466-14_Final Report [Signed Cost-Share Schmidt]	Signed cost-share agreement for rain gardens and critical area planting	Thomas and Diane Schmidt	9/15/2016	
LPT 466-14_Final Report [Signed Cost-Share Scott]	Signed cost-share agreement for native planting	Lyle and Gail Scott	6/22/2015	
LPT 466-14_Final Report [Signed Cost-Share Turner]	Signed cost-share agreement for a control basin	Charles and Marion Turner	11/17/2016	
LPT 466-14_Final Report [Signed Cost-Share Wallis]	Cost-share agreement for rain garden, rock swale, and rock trench installation on the Wallis property	Jeanne Wallis	8/8/2014	
LPT 466-14_Final Report [Summary Report Patterson]	Summary report for project on Patterson property	Scott Geddes	5/1/2015	
LPT 466-14_Final Report [Turner Plan Set Signed Coversheet]	Signed construction plan for a water and sediment control basin on the Turner property	Scott Geddes	11/14/2016	

Wisconsin Department of Natural Resources SWIMS Project Summary

LPT 466-14_Final Report [Unsigned Cost-Share Otte]	Unsigned cost-share agreement for native planting on the Otte property	Darrell Otte	4/6/2014	
LPT 466-14_Final Report [Unsigned Cost-Share Sherod]	Unsigned cost-share agreement for Sherod property project	Steve and Elizabeth Sherod	5/28/2014	
LPT 466-14_Final Report [Village of Centuria Long Lake Boat Landing]	Stormwater mitigation plan for the Village of Centuria Long Lake boat landing	Cheryl Clemens	5/24/2016	
LPT 466-14_Final Report [Wallis Plan Set]	Plan set for Wallis property including drawings, plant list, and planned materials	Jeanne Wallis	7/3/2014	
LPT 466-14_Hansen Project Description	Runoff reduction plan for the Sarah and Joseph Hansen rock infiltration project.		7/1/2018	
LPT 466-14_Hansen Rain Garden Design Plan	Design plan for a rain garden on the Pruess property.	C Clemens	9/1/2018	
LPT 466-14_Hansen Rock Infiltration Design Plan	Design plan for a rock infiltration pit on the Hansen property.	C Clemens	7/31/2018	
LPT 466-14_Photo [After Krieg (1)]	After photo of native plant planting on the Krieg property	Michael and Holly Krieg	6/15/2015	
LPT 466-14_Photo [After Krieg (2)]	Photo after rock garden installation on the Krieg property	Michael and Holly Krieg	6/15/2015	
LPT 466-14_Photo [After Majors (1)]	After photo for rain garden and rock pit on the Majors property	Mary Majors	7/23/2016	
LPT 466-14_Photo [After Majors (2)]	After photo of rain garden and rock pit on the Majors property	Mary Majors	7/23/2016	
LPT 466-14_Photo [Before Krieg (1)]	Before photo of native plant planting on the Krieg property	Holly and Michael Krieg	8/15/2013	
LPT 466-14_Photo [Before Krieg (2)]	Before photo of rock garden installation on the Krieg property	Holly and Michael Krieg	8/15/2013	
LPT 466-14_Photo [Before Majors (1)]	Before photo of rain garden area on Majors property	Mary Majors	6/20/2014	
LPT 466-14_Photo [Before Majors (2)]	Before photo of rain garden area on Majors property	Mary Majors	9/5/2014	
LPT 466-14_Photo [Before Majors (3)]	Before photo of rain garden area on Majors property	Mary Majors	9/5/2014	
LPT 466-14_Photo [Before Town of Balsam (1)]	Before photo of driveway to be fixed in the Town of Balsam	Town of Balsam	5/23/2016	
LPT 466-14_Photo [Before Town of Balsam (2)]	Before photo of driveway to be fixed in the Town of Balsam	Town of Balsam	5/23/2016	
LPT 466-14_Photo [Before Town of Balsam (3)]	Photo of where driveway meets Long Lake to be fixed in the Town of Balsam	Town of Balsam	5/23/2016	
LPT 466-14_Photo [Finch After]	After photo of native plant installation	Michael Finch	9/28/2015	
LPT 466-14_Photo [Finch Before]	Before photo of native plant installation area	Michael Finch	7/3/2015	

Wisconsin Department of Natural Resources SWIMS Project Summary

LPT 466-14_Photo [Hansen Before 1]	Before photo of the Hansen property where a infiltration practice would be installed	Joseph Hansen	7/27/2018	
LPT 466-14_Photo [Hansen During 1]	Photo of the Hansen property where a infiltration practice would be installed	Joseph Hansen	7/1/2018	
LPT 466-14_Photo [Johnson After]	After photo of native plant planting	Larry and Susan Johnson	9/17/2015	
LPT 466-14_Photo [Otte After 1]	After photo of native planting on Otte property	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Otte After 2]	After photo of native planting on Otte property	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Otte After 3]	After photo of native planting on Otte property	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Otte After 4]	After photo of native planting on Otte property	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Otte After 5]	After photo of native planting on Otte property	Darrell Otte		
LPT 466-14_Photo [Otte After 6]	After photo of native planting on Otte property	Darrell Otte	8/1/2014	
LPT 466-14_Photo [Otte After 7]	After photo of native planting on Otte property	Darrell Otte	8/1/2014	
LPT 466-14_Photo [Otte After 8]	After photo of native planting on Otte property	Darrell Otte	8/1/2014	
LPT 466-14_Photo [Otte Before 1]	Before photo of a garden on the Otte property where native planting took place	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Otte Before 2]	Before photo showing location on Otte property near Long Lake where native planting took place	Darrell Otte	7/31/2015	
LPT 466-14_Photo [Pruess After 1]	After photo of the Pruess property where a rain garden practice was installed	Vicki Pruess	9/27/2018	
LPT 466-14_Photo [Pruess After 2]	After photo of the Pruess property where a rain garden practice was installed	Vicki Pruess	9/27/2018	
LPT 466-14_Photo [Pruess Before 1]	Before photo of the Pruess property where a rain garden practice would be installed	Vicki Pruess	9/1/2018	
LPT 466-14_Photo [Pruess Before 2]	Before photo of the Pruess property where a rain garden practice would be installed	Vicki Pruess	9/1/2018	
LPT 466-14_Photo [Schmidt After]	After photo of rain garden and critical area planting on Schmidt property	Diane and Thomas Schmidt	11/8/2016	
LPT 466-14_Photo [Schmidt Before 1]	Before photo of area on Schmidt property where rain garden and planting would take place	Thomas and Diane Schmidt	9/3/2016	

Wisconsin Department of Natural Resources SWIMS Project Summary

LPT 466-14_Photo [Schmidt Before 2]	Before photo of area on Schmidt property where rain garden and planting would take place	Thomas and Diane Schmidt	9/3/2016	
LPT 466-14_Photo [Schmidt Before 3]	Before photo of area on Schmidt property where rain garden and planting would take place	Thomas and Diane Schmidt	9/9/2016	
LPT 466-14_Photo [Scott After]	After photo of native planting on Scott property	Lyle and Gail Scott	9/28/2015	
LPT 466-14_Photo [Scott Before]	Before photo where native planting would occur on the Scott property	Lyle and Gail Scott	6/15/2015	
LPT 466-14_Photo [Sherod After 1]	After photo of rain garden and rock infiltration pit on Sherod property	Steve and Elizabeth Sherod	6/28/2014	
LPT 466-14_Photo [Sherod After 2]	After photo of rain garden and rock infiltration pit on the Sherod property	Steve and Elizabeth Sherod	5/18/2015	
LPT 466-14_Photo [Sherod Before 1]	Before photo of Sherod property	Steve and Elizabeth Sherod	8/15/2013	
LPT 466-14_Photo [Sherod Before 2]	Before photo of Sherod property	Steve and Elizabeth Sherod	8/15/2013	
LPT 466-14_Photo [Wallis After 1]	After photo of a rain garden and rock trench on the Wallis property	Jeanne Wallis	8/14/2014	
LPT 466-14_Photo [Wallis After 2]	After photo of a rock swale on the Wallis property	Jeanne Wallis	8/14/2014	
LPT 466-14_Photo [Wallis After 3]	After photo of a rock swale and a rain garden on the Wallis property	Jeanne Wallis	8/14/2014	
LPT 466-14_Photo [Wallis After 4]	After photo of a rock garden on the Wallis property	Jeanne Wallis	8/14/2014	
LPT 466-14_Photo [Wallis Before 1]	Before photo of the Wallis property where a rock swale would be installed	Jeanne Wallis	5/13/2014	
LPT 466-14_Photo [Wallis Before 2]	Before photo of Wallis property	Jeanne Wallis	5/13/2014	
LPT 466-14_Photo [Wallis Before 3]	Before photo of the Wallis property	Jeanne Wallis	5/13/2014	
Long Lake Boat Landing Parking Lot Runoff Control - Infiltration Pit and Paved Inflow Swale	The site diagram provides location of rock pit and paved swale. A cross section for the rock infiltration pit is also included.	C. Clemens	6/20/2017	
Long Lake North Landing Stormwater Mitigation	Install rock infiltration area under parking areas.	C Clemens	7/13/2020	
Long Lake Protection and Rehabilitation District. Rain Garden, Rock Diversions, Channel Diversion, Rock Infiltration [photo]	Before and after pictures of rain garden installation.	Tomma Freunds Schuh	11/24/2020	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Long Lake, Wisconsin: Analysis of Phosphorus Sources, Loading Reduction Scenarios, and Alum Dosage and Application Strategies	The objectives of these investigations are several-fold: 1. re-examine the P budget and empirical steady-state models to evaluate and project water quality improvement as a result of internal P loading control 2. estimate annual and summer lakewide internal P loading from stratification and dissolved oxygen information presented in Polk County and Harmony Environmental (2013) for input into empirical steady-state models, 3. detail the development of thermal stratification using thermistors (i.e., temperature data loggers) deployed in the lake at ~ 0.5-m to 1-m intervals to record temperature hourly over the course of the summer to better document temporary stratification patterns and examine bottom water dissolved oxygen dynamics to improve lakewide internal P loading estimates for incorporation into empirical models, 4. and refine Al dosage and application strategies to improve longevity.		10/15/2017	
Runoff Reduction Plan [Rain garden]	The Runoff Reduction Plan Set provides top views and cross sections of the rain gardens and rock infiltration pits to be installed.	Tomma Freunds Schuh	4/24/2020	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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