

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPT-483-15

Name: DELAVAN LAKE SD: ACQ-Brown's Channel Watershed Land Acquisition #1

Type: Lakes Grant

Subtype: Lake Protection Grant

Status: COMPLETE

Start Date: 4/15/2015

End Date: 12/31/2015

Purpose: The Delavan Lake Sanitary District (DLSD) will use this grant to pay for part of the purchase of 18 lots along Browns Channel, part of Delavan Lake, located in the Town of Delavan. The project includes the Brown parcel (1.38 acres) and the Odling Parcel (0.30 acre), zoned Lowland Conservation District (C4). The parcel borders other DLSD lands under protection.

The DLSD will manage two invasive species, buckthorn and bush honeysuckle and other woody vegetation through yearly removal or cutting, with the goal of removing 80% within three years of property purchase. Native species will be planted in areas that non- native species are removed. Bank stabilization and stream channel habitat improvement projects will also take place.

All maintenance and improvement activities will be the responsibility of the DLSD in accordance with the Land Management Plan, dated January 22nd, 2015.

The project deliverable is the completed land purchase of 1.68 acres of land (the Brown and Odling parcels) in South Shore Manor 1st Addition.

Objective:

Comments: Grantee is DELAVAN LAKE SD

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Delavan Lake Sanitary District	GRANT_RECIPIENT	COMPLETE	4/15/2015	12/31/2015	Delavan Lake Sanitary District	

Project Statuses			
Date	Reported By	Status	Comments

Actions					
Action	Detailed Description	Start Date	End Date	Status	
Land Acquisition	The Delavan Lake Sanitary District (DLSD) will use this grant to pay for part of the purchase of 18 lots along Browns Channel, part of Delavan Lake, located in the Town of Delavan. The project includes the Brown parcel (1.38 acres) and the Odling Parcel (0.30 acre), zoned Lowland Conservation District (C4). The parcel borders other DLSD lands under protection.	4/15/2015	12/31/2015	COMPLETE	

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Land Acquisition	1.68 acres of land was acquired along Delavan Lake - Brown's Channel.	4/15/2015	12/31/2015	COMPLETE
Grant Awarded	The Delavan Lake Sanitary District (DLSD) will use this grant to pay for part of the purchase of 18 lots along Browns Channel, part of Delavan Lake, located in the Town of Delavan. The project includes the Brown parcel (1.38 acres) and the Odling Parcel (0.30 acre), zoned Lowland Conservation District (C4). The parcel borders other DLSD lands under protection. The DLSD will manage two invasive species, buckthorn and bush honeysuckle and other woody vegetation through yearly removal or cutting, with the goal of removing 80% within three years of property purchase. Native species will be planted in areas that non-native species are removed. Bank stabilization and stream channel habitat improvement projects will also take place.	4/15/2015	12/31/2015	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
740200	1	Army Lake	Army Lake
740400	1	Booth Lake	Booth Lake
740400	2	Memorial Park at Booth Lake Beach, Booth Lake	Booth Lake
740550	1	Ceylon Lagoon	Ceylon Lagoon
740700	1	Wandawega Lake	Lake Wandawega
741200	1	North Lake	North Lake
741400	1	Peters Lake	Peters Lake
741500	1	Pleasant Lake	Pleasant Lake
741700	1	Silver Lake	Silver Lake
741800	1	Swift Lake	Swift Lake
741900	1	Un Lake	Unnamed
741980	1	Un Lake	Millpond Park Pond
742700	1	Nippersink Creek, North Branch	North Branch Nippersink Creek
743400	1	Nippersink Creek, East Branch	East Branch Nippersink Creek
743400	2	Nippersink Creek, East Branch	East Branch Nippersink Creek
743500	1	Local Water	Unnamed
743600	1	Pell Lake	Pell Lake
743800	1	Tombeau Lake	Tombeau Lake

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743900	1	Benedict Lake	Benedict Lake
744000	1	Local Water	Unnamed
744200	1	Powers Lake	Powers Lake
744300	1	Unnamed Stream	Unnamed
744400	1	Nippersink Creek, West Branch	West Branch Nippersink Creek
744500	1	Un Lake	Unnamed
744600	1	Local Water	Unnamed
744800	1	Knobb Pond	Goose Pond
744900	1	Local Water	Unnamed
745200	1	Peterkin Pond	Peterkin Pond
751200	1	White River	White River
751200	2	White River	White River
751500	1	Honey Creek	Honey Creek
751500	2	Honey Creek	Honey Creek
751500	3	Honey Creek	Honey Creek
751500	4	Honey Creek	Honey Creek
751500	5	Honey Creek	Honey Creek
751500	6	Honey Creek	Honey Creek
751500	7	Honey Creek	Honey Creek
752100	1	Sugar Creek	Sugar Creek
752300	1	Honey Lake	Honey Lake (Vienna)
752400	1	Spring Brook Creek	Spring Brook
752400	2	Spring Brook	Spring Brook
752500	1	Spring Brook, North Branch	Unnamed
752800	1	Unnamed Lake	Unnamed
753000	1	Baker Creek	Baker Creek
753100	1	Perennial Stream A (Spp1)	Unnamed
753500	1	Perennial Stream D (B4)	Unnamed
753600	1	Perennial Stream E (B5)	Unnamed
753800	1	Potter Lake	Potter Lake
753900	1	Spring Creek	Spring Creek
754000	1	Unnamed Stream	Unnamed
754200	1	Unnamed Lake	Hilburn Pond
754400	1	East Troy Pond (Trent)	East Troy Pond (Trent)
754600	1	Unnamed Trib to Honey Creek	Unnamed

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754800	1	Unnamed Trib to Honey Cr	Unnamed
755100	1	Perennial Stream B (Tm2)	Unnamed
755300	1	Cedar Grove Pond	Cedar Grove Pond
755500	1	Lauderdale Lakes	Lauderdale Lakes
755600	1	Mill Lake	Mill Lake
755700	1	Middle Lake	Middle Lake
755800	1	Green Lake	Green Lake
756200	1	Lake Ivanhoe Outlet (Spring Valley Creek)	Spring Valley Creek
756500	1	Unnamed	Unnamed
756600	1	Un Lake	Unnamed
756700	1	Ivanhoe Lake	Lake Ivanhoe
756900	1	Indian Run Creek	Indian Run Creek
757000	1	Ore Creek	Ore Creek
757100	1	Ore Creek, Second Branch	Second Br Ore Creek
757200	1	Ore Creek, First Branch	First Br Ore Creek
757400	1	Lyons Millpond	Lyons Millpond
757500	1	Unnamed Stream	Unnamed
757600	1	Como Creek	Como Creek
757700	1	Unnamed Stream	Unnamed
757900	1	Como Lake	Como Lake
758100	1	Un Lake	Unnamed
758300	1	Lake Geneva	Geneva Lake
758300	2	Linn/Robinson Public Beach, Lake Geneva	Geneva Lake
758300	3	Hr1 Robinson Hillside Beach	Geneva Lake
758300	4	Big Foot Beach SP Swim Area, Geneva Lake	Geneva Lake
758300	5	City of Lake Geneva Public Beach, Geneva Lake	Geneva Lake
758300	6	Linn Pier Road Beach, Geneva Lake	Geneva Lake
758300	7	Village of Fontana Public Beach, Geneva Lake	Geneva Lake
758300	8	Williams Bay Public Beach, Geneva Lake	Geneva Lake
758400	1	Lightbody Creek	Lightbody Creek
758500	1	Harris Creek	Harris Creek
758600	1	Southwick Creek	Southwick Creek
758700	1	Potawatomi Creek	Potawatomi Creek
758800	1	Van Slyke Creek	Van Slyke Creek
765500	1	Mukwonago River	Mukwonago River

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765500	5	Mukwonago River	Mukwonago River
766300	1	Lake Beaulah Outlet	Lake Beulah Outlet
766600	1	Beulah Lake	Lake Beulah
766700	1	Local Water	Unnamed
766900	1	Swan Lake	Swan Lake
767000	1	Local Water	Unnamed
767100	1	Pickerel Lake	Pickerel Lake
767200	1	Un Lake	Unnamed
767600	1	Un. Trib. to Mukwonago River (adjacent Rainbow Springs Lake)	Unnamed
768800	1	Lulu Lake	Lulu Lake
768900	1	Un. Trib. to Lulu Lake feeder stream	Unnamed
777500	1	Lake Lorraine	Lake Lorraine
777600	1	Lake Number 10	Lake Number Ten
780800	1	Un Lake	Unnamed
781250	1	Un Lake	Congdon Park Pond
788900	1	Piscasaw Creek	Piscasaw Creek
790300	1	Turtle Creek	Turtle Creek
790300	3	Turtle Creek	Turtle Creek
790300	4	Turtle Creek	Turtle Creek
791700	2	Little Turtle Creek	Little Turtle Creek
791700	3	Little Turtle Creek	Little Turtle Creek
791700	4	Little Turtle Creek	Little Turtle Creek
791800	1	Darien Creek	Darien Creek
791800	2	Darien Creek	Darien Creek
792000	1	Unnamed Trib To Darien Cr	Unnamed
792200	1	Unnamed Stream	Unnamed
792300	1	Unnamed Trib to Little Turtle Creek	Unnamed
792400	1	Ladd Creek	Ladd Creek
792500	1	West Branch Ladd Creek	West Branch Ladd Creek
792800	1	Local Water	Unnamed
793000	1	Trout Lake	Trout Lake
793100	1	Swan Creek	Unnamed
793600	1	Delavan Lake	Delavan Lake
793600	2	Delavan Township Park	Delavan Lake
793600	3	House In The Wood Beach	Delavan Lake

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793700	1	Unnamed Stream	Unnamed
793800	1	Jackson Creek	Jackson Creek
793900	1	Unnamed Stream	Unnamed
794000	1	Elkhorn Lake	Elkhorn Lake
794200	1	Comus Lake	Comus Lake
794300	1	Unnamed Trib to Turtle Creek	Unnamed
794500	1	Un Lake	Unnamed
794600	1	Un Lake	Unnamed
794900	1	Unnamed Stream	Unnamed
795100	1	Turtle Lake	Turtle Lake
813900	1	Whitewater Creek	Whitewater Creek
813900	2	Whitewater Creek	Whitewater Creek
813900	3	Whitewater Creek	Whitewater Creek
813900	4	Whitewater Creek	Whitewater Creek
814200	1	Unnamed Stream	Unnamed
815200	1	Cravath Lake	Cravath Lake
815300	1	Spring Brook	Spring Brook
815400	1	Unnamed Stream	Unnamed
815600	1	Unnamed Ditch Tributary to Spring Creek	Unnamed
815800	1	Unnamed Stream	Unnamed
816000	1	Tripp Lake	Tripp Lake (Trapp)
816100	1	Bluff Creek	Bluff Creek
816100	2	Bluff Creek	Bluff Creek
816200	1	Trib to Whitewater Creek	Unnamed
816300	1	Unnamed Stream	Unnamed
816400	1	Unnamed Stream	Unnamed
816600	1	Rice Lake (Lower Whitewater)	Rice Lake
816800	1	Whitewater Lake	Whitewater Lake
816800	2	Whitewater Lake Beach, Kettle Moraine St. Forest B4	Whitewater Lake
816800	3	Whitewater Lake Boat Launch, Kettle Moraine St. Forest B4	Whitewater Lake
817800	3	Steel Brook	Steel Brook
817800	4	Steel Brook	Steel Brook
817800	5	Steel Brook	Steel Brook
818200	1	Unnamed Trib to Steel Brook	Unnamed

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818400	1	Unnamed Stream	Unnamed
818600	1	Local Water	Unnamed
818700	1	Lake Lagrange	La Grange Lake
819400	1	Local Water	Unnamed
819500	1	Un Lake	Unnamed
3000293	1	Perennial Stream B (Ta4)	Unnamed
5038406	1	Local Water	Unnamed
5038419	1	Local Water	Unnamed
5038434	1	Local Water	Unnamed
5038455	1	Local Water	Unnamed
5038484	1	Local Water	Unnamed
5038519	1	Local Water	Unnamed
5038593	1	Local Water	Unnamed
5038599	1	Unnamed Stream	Unnamed
5038625	1	Local Water	Unnamed
5038629	1	Local Water	Unnamed
5038661	1	Local Water	Unnamed
5038666	1	Local Water	Unnamed
5038680	1	Local Water	Unnamed
5038698	1	Local Water	Unnamed
5038699	1	Local Water	Unnamed
5038704	1	Local Water	Unnamed
5038707	1	Local Water	Unnamed
5038718	1	Local Water	Unnamed
5038758	1	Local Water	Unnamed
5038780	1	Unnamed Stream	Unnamed
5038889	1	Unnamed Stream	Unnamed
5039050	1	Local Water	Unnamed
5039158	1	Unnamed Stream	Unnamed
5039454	1	Unnamed Stream	Unnamed
5039516	1	Unnamed Stream	Unnamed
5039555	1	Unnamed Stream	Unnamed
5039742	1	Unnamed Stream	Unnamed
5040143	1	Unnamed Stream	Unnamed
5040212	1	Unnamed Stream	Unnamed

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5040257	1	Local Water	Unnamed
5040295	1	Unnamed Stream	Unnamed
5040297	1	Unnamed Stream	Unnamed
5040421	1	Unnamed Stream	Unnamed
5040431	1	Unnamed Stream	Unnamed
5040487	1	Unnamed	Unnamed
5040546	1	Unnamed Stream	Unnamed
5040610	1	Unnamed Stream	Unnamed
5040633	1	Local Water	Unnamed
5040677	1	Unnamed Stream	Unnamed
5040938	1	Unnamed Stream	Unnamed
5041262	1	Unnamed Creek	Unnamed
5041466	1	Unnamed Stream	Unnamed
5041480	1	Unnamed Stream	Unnamed
5041499	1	Unnamed Stream	Unnamed
5041529	1	Unnamed Stream	Unnamed
5041573	1	Unnamed Stream	Unnamed
5041631	1	Unnamed Stream	Unnamed
5041807	1	Button Creek	Unnamed
5041840	1	Unnamed Stream	Unnamed
5041996	1	Unnamed Trib to Nippersink Creek	Unnamed
5042301	1	Unnamed Stream	Unnamed
5042325	1	Unnamed Stream	Unnamed
5042326	1	Unnamed Stream	Unnamed
5577503	1	Local Water	Unnamed
5577543	1	Local Water	Unnamed
5577552	1	Local Water	Unnamed
5577555	1	Local Water	Unnamed
5577562	1	Local Water	Unnamed
5577565	1	Local Water	Unnamed
5577566	1	Local Water	Unnamed
5577570	2	Local Water	Unnamed
5577572	1	Local Water	Unnamed
5577575	1	Local Water	Unnamed
5577579	1	Local Water	Unnamed

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5577594	1	Local Water	Unnamed
5577609	1	Local Water	Unnamed
5577610	1	Local Water	Unnamed
5577612	1	Local Water	Unnamed
5577621	1	Local Water	Unnamed
5577624	1	Local Water	Unnamed
5577629	1	Local Water	Unnamed
5577631	1	Local Water	Unnamed
5577632	1	Local Water	Unnamed
5577646	1	Local Water	Unnamed
5577649	1	Local Water	Unnamed
5577650	1	Local Water	Unnamed
5577652	1	Local Water	Unnamed
5577653	1	Local Water	Unnamed
5577663	1	Local Water	Unnamed
5577673	1	Local Water	Unnamed
5577682	1	Local Water	Unnamed
5577693	1	Local Water	Unnamed
5577736	1	Local Water	Unnamed
5577738	1	Local Water	Unnamed
5577748	1	Local Water	Unnamed
5577772	1	Local Water	Unnamed
5577774	1	Local Water	Unnamed
5577778	1	Local Water	Unnamed
5577784	1	Local Water	Unnamed
5577788	1	Local Water	Unnamed
5577792	1	Local Water	Unnamed
5577796	1	Local Water	Unnamed
5577797	1	Local Water	Unnamed
5577798	1	Local Water	Unnamed
5577805	1	Local Water	Unnamed
5577814	1	Local Water	Unnamed
5577818	1	Local Water	Unnamed
5577822	1	Local Water	Unnamed
5577823	1	Local Water	Unnamed

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5577825	1	Local Water	Unnamed
5577826	1	Local Water	Unnamed
5577827	1	Local Water	Unnamed
5577833	1	Local Water	Unnamed
5577842	1	Local Water	Unnamed
5577849	1	Local Water	Unnamed
5577850	1	Local Water	Unnamed
5577851	1	Local Water	Unnamed
5577852	1	Local Water	Unnamed
5577853	1	Local Water	Unnamed
5577856	1	Local Water	Unnamed
5577862	1	Local Water	Unnamed
5577865	1	Local Water	Unnamed
5577874	1	Local Water	Unnamed
5577892	1	Local Water	Unnamed
5577901	1	Local Water	Unnamed
5577905	1	Local Water	Unnamed
5577924	1	Local Water	Unnamed
5577936	1	Local Water	Unnamed
5577950	1	Local Water	Unnamed
5577986	1	Local Water	Unnamed
5577993	1	Unnamed Lake	Unnamed
5578012	1	Local Water	Unnamed
5578038	1	Local Water	Unnamed
5578080	1	Local Water	Unnamed
5578083	1	Local Water	Unnamed
5578102	1	Local Water	Unnamed
5578121	1	Local Water	Unnamed
5578136	1	Local Water	Unnamed
5578429	1	Local Water	Unnamed
5578484	1	Local Water	Unnamed
5578494	1	Local Water	Unnamed
5578518	1	Local Water	Unnamed
5578531	1	Local Water	Unnamed
5578613	1	Local Water	Unnamed

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5578665	1	Local Water	Unnamed
5578735	1	Local Water	Unnamed
5578830	1	Local Water	Unnamed
5578874	1	Local Water	Unnamed
5578879	1	Local Water	Unnamed
5578896	1	Local Water	Unnamed
5578953	1	Local Water	Unnamed
5578976	1	Local Water	Unnamed
5579194	1	Local Water	Unnamed
5579247	1	Local Water	Unnamed
5579272	1	Local Water	Unnamed
5579401	1	Local Water	Unnamed
5579466	1	Local Water	Unnamed
5579528	1	Local Water	Unnamed
5579582	1	Local Water	Unnamed
5579635	1	Local Water	Unnamed
5579642	1	Local Water	Unnamed
5579646	1	Local Water	Unnamed
5579769	1	Local Water	Unnamed
5579814	1	Local Water	Unnamed
5579825	1	Local Water	Unnamed
5579829	1	Local Water	Unnamed
5579915	1	Local Water	Unnamed
5579929	1	Local Water	Unnamed
5579954	1	Local Water	Unnamed
5579979	1	Local Water	Unnamed
5579984	1	Local Water	Unnamed
5580028	1	Local Water	Unnamed
5580061	1	Local Water	Unnamed
5580128	1	Local Water	Unnamed
5580150	1	Local Water	Unnamed
5580185	1	Local Water	Unnamed
5580192	1	Local Water	Unnamed
5580234	1	Local Water	Unnamed
5580258	1	Local Water	Unnamed

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5580265	1	Local Water	Unnamed
5580483	1	Local Water	Unnamed
5580491	1	Local Water	Unnamed
5580499	1	Local Water	Unnamed
5580505	1	Local Water	Unnamed
5580509	1	Local Water	Unnamed
5580600	1	Local Water	Unnamed
5580610	1	Local Water	Unnamed
5580619	1	Local Water	Unnamed
5580676	1	Local Water	Unnamed
5580680	1	Local Water	Unnamed
5580696	1	Local Water	Unnamed
5580748	1	Local Water	Unnamed
5580753	1	Local Water	Unnamed
5580774	1	Local Water	Unnamed
5580836	1	Local Water	Unnamed
5580841	1	Local Water	Unnamed
5580850	1	Unnamed Lake	Unnamed
5580851	1	Local Water	Unnamed
5581043	1	Local Water	Unnamed
5582026	1	Local Water	Unnamed
5589113	1	Local Water	Unnamed
5591128	1	Local Water	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

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Title	Description	Author	Published	Comments
An Evaluation of Brown's Channel Tributary and its Watershed	Recent Delavan Lake watershed monitoring efforts have indicated that high concentrations of suspended sediment continue to enter Brown's Channel via the South Shore Drive road culvert as a result of significant rainfall events that have occurred during the spring and summer of 2013. Therefore, the Town of Delavan requested that an evaluation of the Brown's Channel Tributary and its Watershed be completed to preliminarily identify potential sources of sediment and to make recommendations for future action with regard to reducing the rate of sedimentation in Brown's Channel prior to undertaking any additional dredging efforts.	HDR Engineering, Inc.	1/1/2013	
Brown Property Photos and Location Maps	Photos and maps of the location of the Brown Parcel.	Delavan Lake Sanitary District	1/1/2015	
Delavan Lake and Brown's Channel Watershed Improvement Project	This project is ultimately aimed at improving the water quality of Delavan Lake. The watershed of Delavan Lake is 26,000+ acres, 23.9% of which comes from the Brown's Channel sub-watershed. Nutrients from this watershed flow into Delavan Lake by way of Brown's Channel. Delavan Lake has a high watershed-to-lake area ratio of 13:1. The high input of nutrients from this large watershed makes Delavan Lake very vulnerable to eutrophication. If the community can obtain this land and proceed with watershed improvements it is hoped that it will pave the way for additional watershed protection initiatives and extend their efforts to reduce the nutrients and suspended solids that enter Delavan Lake.	Delavan Lake Sanitary District	1/1/2015	
Odling Property Photos and Location Maps	Photos and maps of the location of the Odling Parcel.	Delavan Lake Sanitary District	1/1/2015	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

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Organization	Source	Type	Amount	Start Date	End Date
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