

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: RM-055-13

Name: OZAUKEE COUNTY: Restoration of Aquatic Connectivity - Mineral Springs

Type: River Grant

Subtype: River Protection Grant

Status: COMPLETE

Start Date: 7/1/2012

End Date: 12/31/2015

Purpose: Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e., rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect, while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues, allowing for free ingress and egress of migratory fish species. Ozaukee County will complete all requisite reporting and provide project records.

The project deliverables include the following: 1) site photos (before, during, and after construction), and professionally engineered project plan sets (if required for permitting) indicating that key passage criteria (e.g., flow velocities, channel slope, etc.) were met. 2) detailed expenditure records, and any other items as requested. 3) project results from ongoing County education and outreach programs, including press releases, presentations at local, regional, and national conferences, articles in County and partner newsletters, and regular updates on the Program\2019s website, Facebook, and Twitter pages.

Objective:

Comments: Grantee is OZAUKEE COUNTY

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Ozaukee County Planning & Park	GRANT_RECIPIENT	ACTIVE	6/1/2016		Ozaukee County Planning & Parks Department	

Project Statuses			
Date	Reported By	Status	Comments

Actions

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Action	Detailed Description	Start Date	End Date	Status
Fish Management, Access	Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e.- rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect- while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues- allowing for free ingress and egress of migratory fish species.	7/1/2012	12/31/2015	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Degraded Biological Community			
Degraded Habitat			

Project Deliverable	Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e., rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect, while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues, allowing for free ingress and egress of migratory fish species. Ozaukee County will complete all requisite reporting and provide project records. The project deliverables include the following: 1) site photos (before, during, and after construction), and professionally engineered project plan sets (if required for permitting) indicating that key passage criteria (e.g., flow velocities, channel slope, etc.) were met. 2) detailed expenditure records, and any other items as requested. 3) project results from ongoing County education and outreach programs, including press releases, presentations at local, regional, and national conferences, articles in County and partner newsletters, and regular updates on the Program's website, Facebook, and Twitter pages.	7/1/2012	12/31/2014	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			

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Habitat Restoration - Shoreland	Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e., rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect, while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues, allowing for free ingress and egress of migratory fish species. Ozaukee County will complete all requisite reporting and provide project records. The project deliverables include the following: 1) site photos (before, during, and after construction), and professionally engineered project plan sets (if required for permitting) indicating that key passage criteria (e.g., flow velocities, channel slope, etc.) were met. 2) detailed expenditure records, and any other items as requested. 3) project results from ongoing County education and outreach programs, including press releases, presentations at local, regional, and national conferences, articles in County and partner newsletters, and regular updates on the Program's website, Facebook, and Twitter pages.	7/1/2012	12/31/2014	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Shoreline feet restored/enhanced			

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Grant Awarded	<p>Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e., rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect, while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues, allowing for free ingress and egress of migratory fish species. Ozaukee County will complete all requisite reporting and provide project records. The project deliverables include the following: 1) site photos (before, during, and after construction), and professionally engineered project plan sets (if required for permitting) indicating that key passage criteria (e.g., flow velocities, channel slope, etc.) were met. 2) detailed expenditure records, and any other items as requested. 3) project results from ongoing County education and outreach programs, including press releases, presentations at local, regional, and national conferences, articles in County and partner newsletters, and regular updates on the Program's website, Facebook, and Twitter pages.</p>	7/1/2012	12/31/2013	COMPLETE
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Control Streambank Erosion	<p>Ozaukee County will remediate up to two large-scale and up to two non-structural impediments to fish and aquatic life passage. Conduct remediation of Division Road Crossing: The preliminary anticipated remediation of the Division Road crossing is to utilize a series of cross vanes (i.e., rock bands) into the channel to backwater the structure and incorporate native substrate to increase channel roughness and concentrate baseflow. This will eliminate the perching effect, while mitigate high velocities in spring and excessively shallow baseflow. Conduct remediation at Oakland Avenue: The preliminary anticipated remediation at Oakland Avenue is to remove the accumulated rubble and former abutments. These activities will eliminate channel constrictions and pervious fill issues, allowing for free ingress and egress of migratory fish species. Ozaukee County will complete all requisite reporting and provide project records. The project deliverables include the following: 1) site photos (before, during, and after construction), and professionally engineered project plan sets (if required for permitting) indicating that key passage criteria (e.g., flow velocities, channel slope, etc.) were met. 2) detailed expenditure records, and any other items as requested. 3) project results from ongoing County education and outreach programs, including press releases, presentations at local, regional, and national conferences, articles in County and partner newsletters, and regular updates on the Program's website, Facebook, and Twitter pages.</p>	7/1/2012	12/31/2014	COMPLETE
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
20	12	Lake Michigan	Lake Michigan
20	15	Cedar Beach, Lake Michigan	Lake Michigan
20	17	County Road D Boat Launch Beach, Lake Michigan	Lake Michigan
20	23	Harrington State Park (S. Beach), Lake Michigan	Lake Michigan
20	30	Upper Lake Park Beach, Lake Michigan	Lake Michigan
20	36	Lions Den Gorge National Preserve South Beach, Lake Michigan	Lake Michigan
20	85	Concordia University Beach, Lake Michigan	Lake Michigan
20	86	Harrington State Park Beach North, Lake Michigan	Lake Michigan
32	1	Port Washington Harbor	Port Washington Harbor
8500	1	Cedarburg Pond	Cedarburg Stone Quarry

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8700	1	Drzewiceki Lake	Drzewiceki Lake
9000	1	Fromm Pit (Mee-Qoun Park Pond)	Fromm Pit
9100	1	Gough Lake	Gough Lake
9300	1	Hawthorne Hills Pond	Hawthorne Hills Pond
9500	1	Horn Lake	Horn Lake
9600	1	Huiras Lake	Huiras Lake
10600	1	Moldenhauer Lake	Moldenhauer Lake
11200	1	Pit Lake	Pit Lake
11400	1	Roecki Lake	Roeckl Lake
12100	1	Unnamed Lake	Unnamed
12200	1	Unnamed Lake	Unnamed
12300	1	Unnamed Lake	Unnamed
12400	1	Unnamed Lake	Unnamed
12500	1	Unnamed Lake	Unnamed
12600	1	Unnamed Lake	Unnamed
12700	1	Un Lake	Unnamed
12800	1	Unnamed Lake	Unnamed
12900	1	Un Lake	Unnamed
13000	1	Unnamed Lake	Unnamed
13100	1	Unnamed Lake	Unnamed
15000	2	Milwaukee River	Milwaukee River
15000	3	Milwaukee River	Milwaukee River
15000	5	Milwaukee River	Milwaukee River
17600	1	Little Menomonee River	Little Menomonee River
17600	2	Little Menomonee	Little Menomonee River
17900	1	Little Menomonee River	Little Menomonee Creek
18450	1	Nor-X-Way Channel	Unnamed
20200	1	Unnamed	Unnamed
20300	1	Local Water	Unnamed
20400	1	Un. Creek (Trinity Creek)(T09n R21e Se Ne 35)	Unnamed
20500	1	Pigeon Creek	Pigeon Creek
20500	2	DUPLICATE	Pigeon Creek
20700	1	Unnamed	Unnamed
20800	1	Mee-Qoun Park Pond	Mee-Kwon Park Pond
21100	1	Local Water	Unnamed

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21200	1	Ulao Creek	Unnamed
21300	1	Cedar Creek	Cedar Creek
21300	2	Cedar Creek	Cedar Creek
21700	1	Cedarburg Pond	Cedarburg Pond 121
22000	1	Un. Creek (T11n R21e Nw Nw 32)	Unnamed
22100	1	Mud Lake	Mud Lake
22200	1	Long Lake	Long Lake
22300	1	Donut Stone	Donut Lake
22500	1	N. Br. Cedar Creek	North Branch Cedar Creek
22800	1	Un Lake	Unnamed
22900	1	Cedarburg Creek	Cedarburg Creek
26300	1	Mole Creek (T10n R21e Ne Ne 13)	Unnamed
26300	2	Mole Creek (T10n R21e Ne Ne 13)	Unnamed
26400	1	Haneman Lake	Haneman Lake
26450	1	Unnamed Stream	Unnamed
26500	1	Unnamed Stream	Unnamed
26600	1	Fredonia Creek	Unnamed
26700	1	Un Spring	Un Spring
26750	1	Un Lake	Unnamed
26800	1	Unnamed Stream	Unnamed
26900	1	Hansen Lake	Sandhill Lake
27100	1	Milwaukee River North Branch	North Branch Milwaukee River
29710	1	Unnamed Stream	Unnamed
29900	1	Silver Creek	Silver Creek
30200	2	Unnamed Creek	Unnamed
30400	1	Unnamed Lake	Unnamed
30500	1	Spring Lake	Spring Lake
34000	1	Un. Creek (Riveredge Creek)	Unnamed
34100	1	Daly Lake	Daly Lake
44700	1	Fish Creek	Fish Creek
45600	1	Grasser Lake	Grasser Lake
46750	1	Un Lake	Unnamed
46800	1	Unnamed Lake	Unnamed
49500	1	Sauk Creek	Sauk Creek
49600	1	Un Trib To Sauk Ck At Rm .04	Unnamed

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49700	1	Ludowissi L Br To Sauk Creek	Unnamed
49800	1	Ludowissi Lake	Ludowissi Lake
49900	1	Holy Cross Br Of Sauk Creek	Unnamed
50000	1	Hickory Grove Br. Of Sauk Creek	Unnamed
50100	1	Sucker Creek	Sucker Creek
51400	2	Belgium Creek	Unnamed
51500	1	East Branch Belgium Creek	Unnamed
51600	1	Local Water	Unnamed
3000329	1	Local Water	Unnamed
3000330	1	Local Water	Unnamed
3000448	1	Local Water	Unnamed
3000460	1	Local Water	Unnamed
3000462	1	Local Water	Unnamed
3000471	1	Local Water	Unnamed
3000472	1	Local Water	Unnamed
3000473	1	Local Water	Unnamed
3000474	1	Local Water	Unnamed
3000475	1	Local Water	Unnamed
3000476	1	Local Water	Unnamed
3000477	1	Local Water	Unnamed
3000490	1	Local Water	Unnamed
3000491	1	Local Water	Unnamed
3000493	1	Local Water	Unnamed
3000494	1	Local Water	Unnamed
3000496	1	Local Water	Unnamed
5029912	1	Local Water	Unnamed
5029946	1	Local Water	Unnamed
5030044	1	Local Water	Unnamed
5030069	1	Local Water	Unnamed
5030083	1	Local Water	Unnamed
5030144	1	Local Water	Unnamed
5030149	1	Local Water	Unnamed
5030219	1	Local Water	Unnamed
5030270	1	Unnamed Stream	Unnamed
5030337	1	Local Water	Unnamed

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5030338	1	Local Water	Unnamed
5030341	1	Local Water	Unnamed
5030429	1	Local Water	Unnamed
5030458	1	Local Water	Unnamed
5030465	1	Local Water	Unnamed
5030469	1	Unnamed Stream	Unnamed
5030501	1	Local Water	Unnamed
5030599	1	Unnamed Stream	Unnamed
5030740	1	Local Water	Unnamed
5030784	1	Local Water	Unnamed
5030793	1	Local Water	Unnamed
5030811	1	Local Water	Unnamed
5030841	1	Local Water	Unnamed
5030847	1	Local Water	Unnamed
5030901	1	Local Water	Unnamed
5030953	1	Local Water	Unnamed
5030957	1	Local Water	Unnamed
5030968	1	Unnamed Stream	Unnamed
5030989	1	Local Water	Unnamed
5031017	1	Unnamed Stream	Unnamed
5031073	1	Local Water	Unnamed
5031213	1	Unnamed Stream	Unnamed
5031277	1	Local Water	Unnamed
5031309	1	Unnamed Stream	Unnamed
5031320	1	Unnamed Stream	Unnamed
5031393	1	Unnamed Stream	Unnamed
5031399	1	Mole Creek	Unnamed
5031401	1	Local Water	Unnamed
5031436	1	Unnamed Stream	Unnamed
5031502	1	Unnamed Stream	Unnamed
5031535	1	Local Water	Unnamed
5031618	1	Unnamed Stream	Unnamed
5031696	1	Local Water	Unnamed
5031719	1	Unnamed Stream	Unnamed
5031732	1	Unnamed Stream	Unnamed

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5031781	1	Local Water	Unnamed
5031804	1	Unnamed Stream	Unnamed
5031873	1	Local Water	Unnamed
5031914	1	Unnamed Stream	Unnamed
5031928	1	Unnamed Stream	Unnamed
5031972	1	Unnamed Stream	Unnamed
5031998	1	Local Water	Unnamed
5032165	1	Unnamed Stream	Unnamed
5032215	1	Unnamed Stream	Unnamed
5032239	1	Unnamed Stream	Unnamed
5032358	1	Unnamed Stream	Unnamed
5032380	1	Helm's Creek	Unnamed
5032410	1	Unnamed Stream	Unnamed
5032427	1	Unnamed Stream	Unnamed
5032497	1	Unnamed Stream	Unnamed
5032520	1	Kaul Creek	Unnamed
5032576	1	Local Water	Unnamed
5032604	1	Unnamed Stream	Unnamed
5032645	1	Unnamed Stream	Unnamed
5032647	1	Unnamed Stream	Unnamed
5032660	1	Unnamed Stream	Unnamed
5032686	1	Unnamed Stream	Unnamed
5032720	1	Unnamed Stream	Unnamed
5032772	1	Unnamed Stream	Unnamed
5032800	1	Unnamed Stream	Unnamed
5032827	1	Unnamed Stream	Unnamed
5032887	1	Unnamed Stream	Unnamed
5032930	1	Unnamed Stream	Unnamed
5032931	1	Unnamed Stream	Unnamed
5032932	1	Unnamed Stream	Unnamed
5032995	1	Local Water	Unnamed
5032995	2	DUPLICATE	Unnamed
5033034	1	Unnamed Stream	Unnamed
5033072	1	Local Water	Unnamed
5033077	1	Unnamed Stream	Unnamed

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5033096	1	Unnamed Stream	Unnamed
5033122	1	Unnamed Stream	Unnamed
5033152	1	Unnamed Stream	Unnamed
5033162	1	Unnamed Stream	Unnamed
5033167	1	Unnamed Stream	Unnamed
5033184	1	Unnamed Stream	Unnamed
5033189	1	Unnamed Stream	Unnamed
5033225	1	Unnamed Stream	Unnamed
5033236	1	Unnamed Stream	Unnamed
5033245	1	Unnamed Stream	Unnamed
5033299	1	Unnamed Stream	Unnamed
5033339	1	Unnamed Stream	Unnamed
5033370	1	Unnamed	Unnamed
5033390	1	Unnamed Stream	Unnamed
5033448	1	Unnamed Stream	Unnamed
5033530	1	Unnamed Stream	Unnamed
5033688	1	Unnamed Stream	Unnamed
5033702	1	Unnamed Stream	Unnamed
5033718	1	Local Water	Unnamed
5033748	1	Unnamed Stream	Unnamed
5033766	1	Unnamed Stream	Unnamed
5033840	1	Unnamed Stream	Unnamed
5033842	1	Local Water	Unnamed
5033878	1	Unnamed Stream	Unnamed
5033929	1	Local Water	Unnamed
5033930	1	Local Water	Unnamed
5033934	1	Unnamed Stream	Unnamed
5033944	1	Local Water	Unnamed
5033990	1	Local Water	Unnamed
5034063	1	Local Water	Unnamed
5034070	1	Local Water	Unnamed
5566890	1	Local Water	Unnamed
5567051	1	Local Water	Unnamed
5567466	1	Local Water	Unnamed
5567519	1	Local Water	Unnamed

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5567579	1	Local Water	Unnamed
5567585	1	Local Water	Unnamed
5567755	1	Local Water	Unnamed
5567767	1	Local Water	Unnamed
5568030	1	Local Water	Unnamed
5568142	1	Local Water	Unnamed
5568207	1	Local Water	Unnamed
5568362	1	Local Water	Unnamed
5568388	1	Local Water	Unnamed
5568917	1	Local Water	Unnamed
5568970	1	Local Water	Unnamed
5569079	1	Local Water	Unnamed
5569089	1	Local Water	Unnamed
5569119	1	Local Water	Unnamed
5569142	1	Local Water	Unnamed
5569183	1	Local Water	Unnamed
5569185	1	Local Water	Unnamed
5569238	1	Local Water	Unnamed
5569247	1	Local Water	Unnamed
5569416	1	Local Water	Unnamed
5569706	1	Local Water	Unnamed
5569714	1	Local Water	Unnamed
5570442	1	Local Water	Unnamed
5570455	1	Local Water	Unnamed
5570465	1	Local Water	Unnamed
5570506	1	Local Water	Unnamed
5570736	1	Local Water	Unnamed
5570791	1	Local Water	Unnamed
5571006	1	Local Water	Unnamed
5571130	1	Local Water	Unnamed
5571472	1	Local Water	Unnamed
5571609	1	Local Water	Unnamed
5571837	1	Local Water	Unnamed
5572082	1	Local Water	Unnamed
5572392	1	Local Water	Unnamed

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5572423	1	Unnamed Lake	Unnamed
5572446	1	Local Water	Unnamed
5572486	1	Unnamed Lake	Unnamed
5572487	1	Unnamed Lake	Unnamed
5572838	1	Local Water	Unnamed
5573103	1	Local Water	Unnamed
5573149	1	Local Water	Unnamed
5573253	1	Local Water	Unnamed
5589633	1	Local Water	Unnamed
5589642	1	Local Water	Unnamed
5591102	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

Title	Description	Author	Published	Comments
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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