

# Wisconsin Department of Natural Resources

## SWIMS Project Summary

### General Project Information

<b>Project ID:</b>	South_TWA_1_2017
<b>Name:</b>	Dell Creek TWA 2017 - 2019 (Year 2)
<b>Type:</b>	Targeted Watershed Approach
<b>Subtype:</b>	Effectiveness (BMP, Other)
<b>Status:</b>	REPORT
<b>Start Date:</b>	1/1/2017
<b>End Date:</b>	12/31/2019
<b>Purpose:</b>	Water quality biologist and interns will continue to monitor the status of streams in the Dell Creek 319 watershed for BMP evaluation. Monitoring will be completed by fall of 2017. The data will be used to determine whether streams are meeting attainable use, update watershed tables, ascertain agricultural BMP effectiveness, and update the watershed plan. This project will focus on monitoring the HUC10 (0707000319 ) which is the equivalent of the priority watershed delineations. This is a Section 319 project.
<b>Objective:</b>	Information gathered for this project will be used to evaluate BMP effectiveness, update the watershed plan and stream narratives, and update information related to impaired waters listings and attainable use. The following streams will be monitored: Dell Cr. (WBIC: 1295200), Spring Brook (WBIC: 1295600), Hulburt Cr. (WBIC: 1298500), Unnamed tributary of Hulburt Cr. (WBIC: 1298810), Gilmore Cr. (WBIC: 1299800), Lyndon Cr. (WBIC: 1300700), Hotlander Cr. (WBIC: 1300800), Tracy Cr. (WBIC: 1300900). A total of 11 sites will be monitored.
<b>Comments:</b>	Continuing project year 2. Note: Need to add a SWIMS stations for the following stream sites: Hulburt Cr. Lyndon Road, Unnamed Trib. of Hulburt (WBIC: 1298810) at N. Sunset Dr., and Holtlander Cr.CTH-HH.
<b>Outcome:</b>	Fish will be collected at 11 sites, qualitative habitat and flow will be collected at 10 sites, macroinvertebrates will be collected at eight sites, continuous temperature will be collected at eight sites, a baseline water chemistry collected at six sites, and a second year of six monthly phosphorus samples and diatom sampling will be collected from Dell Cr. near the mouth. All data will be entered into SWIMS and fisheries databases. Data will be summarized in watershed tables, and a watershed report will be completed by December 2019.
<b>Study Design:</b>	Dell Cr. (WBIC: 1295200) one site collect fish, six monthly phosphorus samples, and diatoms. Collect fish, habitat, flow, temperature, macroinvertebrates and water chemistry from the following streams: Spring Brook (WBIC: 1295600) one site , Unnamed tributary of Hulburt Cr. (WBIC: 1298810) two sites, Gilmore Cr. (WBIC: 1299800) one site, Hotlander Cr. (WBIC: 1300800) one site, and Tracy Cr. (WBIC: 1300900) one site. Collect only fish, qualitative habitat and flow at two sites in Lyndon Cr. (WBIC: 1300700), and two sites in Hulburt Cr. (WBIC: 1298500), and collect temperature, macroinvertebrates from one site in each Lyndon and Hulburt Creeks. Note: Recent six monthly phosphorus samples were collected in Lyndon and Hulburt Creeks during the Wisconsin River TMDL.
<b>QA Measures:</b>	No blanks, dups or field QA other than following WDNR standard SOPs for selected parameters (see methods in project).

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	12/28/2022	Wisconsin DNR	
Ruppert, Reese	TEAM_MEMBER	ACTIVE	1/1/2017	12/31/2019	WDNR	
SEARLE, GREGORY S	SUPERVISOR	COMPLETE	1/1/2017	12/31/2019	Wisconsin DNR	
Thomas, Torri	TEAM_MEMBER	ACTIVE	1/1/2017	12/31/2017	Wisconsin DNR	
UNMUTH, JEAN M	COORDINATOR	COMPLETE	1/1/2017	12/31/2019	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
1/18/2018	JEAN UNMUTH	Progress: 50-75% Complete	Waiting for macroinvertebrate data to come back from lab. All fish, habitat and WQ data has been entered and proofed

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Project Status Detail

Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Targeted Watershed Area (TWA)	Dell Creek BMP Evaluation TWA 2017 -2019	1/1/2017	12/31/2019	COMPLETE

Monitoring Stations

Station ID	Name	Comments
573187	Dell Creek at Coon Bluff Rd	
10016838	Gilmore Creek - Hwy. N	
10048857	Holtzlander Cr. US CTH-HH	
10034326	Hulburt Creek 115m DS of Birchwood Rd	
10048839	Lyndon Cr. US Wright St	
10031364	Lyndon Creek at 28th Ave	
10031355	Lyndon Creek at Cty. Tr. N	
10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert	
10016683	Tracy Creek - Cth N North Of 12/16 1/4 Mile 20m Dwnstrm Of Bridge Crossing	
10048568	Tracy Creek US STH 12	
10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)	
10048477	Unnamed Trib. of Hulburt Creek	
10048846	Unnamed Trib.(WBIC:1298810) of Hulburt Cr. US N. Sunset Dr.	

Assessment Units

WBIC	Segment	Local Name	Official Name
1295200	3	Dell Creek	Dell Creek
1295200	6	Dell Creek	Dell Creek
1295600	1	Spring Brook	Spring Brook
1298500	3	Hulburt Creek	Hulburt Creek
1298800	1	Creek 6-7	Unnamed
1298810	1	Unnamed Stream	Unnamed
1299800	1	Gilmore Creek	Gilmore Creek
1300700	1	Lyndon Creek	Lyndon Creek
1300800	1	Holtzliner Creek	Holtzlander Creek
1300900	1	Tracy Creek	Tracy Creek

Lab Account Codes

7/25/2024

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Account Code	Description	Start Date	End Date
WQ019	319 Project Funded TWA	3/22/2016	12/31/2019

### Forms

Form Code	Form Name
AIS_EDD_2013	AIS Early Detection Monitoring Form (R 06/2013)
AIS_EDD_2018	Aquatic Invasive Species (AIS) Early Detection Monitoring Lake Data Form [2018]
AIS_STREAM_2014	Aquatic Invasive Species Monitoring Data Form (Streams)
CONTINUOUS	Continuous Data Upload
INORGANIC	Inorganic Lab - Field Data
MACROINVERT_BASIC	Macroinvertebrate Survey Basic Form
QUAL_FISH_HAB_LESS10	Qualitative Fish Habitat Less Than 10 M
QUAL_FISH_HAB_MORE10	Qualitative Fish Habitat More Than 10 M
WT-001-2010	Stream Baseflow Data
STREAM_CHAR	Stream Characteristics Form (Qualitative Habitat) (form 3600-183 Back)

### Methods

Method Code	Method Description
AIS_STREAMS_2015	AIS Monitoring in Streams 2015
DNR-FPM-1001.3	Benthic Invertebrate D-Frame Net, Kick Samples 1988
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: STREAM SHOCKER	Electrofishing: Stream Shocker
NUTRIENT SAMPLING STREAMS 2015	Nutrient Sampling SOPs (3.2) WQ Monitoring 2015
DNR-FPM 2502 TEMPERATURE - ELECTRONIC	Temperature Electronic

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/16/2017 11:30	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd
6/2/2017 20:00	COMPLETE		10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert
6/2/2017 20:00	COMPLETE		10034326	Hulburt Creek 115m DS of Birchwood Rd
6/2/2017 20:00	COMPLETE		10034326	Hulburt Creek 115m DS of Birchwood Rd
6/2/2017 20:00	COMPLETE		10048846	Unnamed Trib.(WBIC:1298810) of Hulburt Cr. US N. Sunset Dr.
6/2/2017 20:00	CANCELLED		10048846	Unnamed Trib.(WBIC:1298810) of Hulburt Cr. US N. Sunset Dr.
6/7/2017	COMPLETE		10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)

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6/7/2017	COMPLETE		10048568	Tracy Creek US STH 12
6/7/2017	COMPLETE		573187	Dell Creek at Coon Bluff Rd
6/8/2017	COMPLETE		10016838	Gilmore Creek - Hwy. N
6/9/2017 20:00	COMPLETE		10031364	Lyndon Creek at 28th Ave
6/9/2017 20:00	COMPLETE		10048857	Holtzlander Cr. US CTH-HH
6/9/2017 20:00	COMPLETE		10016838	Gilmore Creek - Hwy. N
6/9/2017 20:00	COMPLETE		10048568	Tracy Creek US STH 12
6/14/2017 12:42	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd
6/21/2017	COMPLETE		10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)
6/21/2017	COMPLETE		10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)
7/11/2017	COMPLETE		10034326	Hulburt Creek 115m DS of Birchwood Rd
7/13/2017	COMPLETE		10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert
7/17/2017 13:30	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd
7/31/2017 10:00	COMPLETE		10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert
8/7/2017 11:10	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd
8/7/2017 11:45	COMPLETE	T1	10016683	Tracy Creek - Cth N North Of 12/16 1/4 Mile 20m Dwnstrm Of Bridge Crossing
8/7/2017 12:05	COMPLETE	H1	10048857	Holtzlander Cr. US CTH-HH
8/7/2017 12:30	COMPLETE	GI1	10016838	Gilmore Creek - Hwy. N
8/7/2017 12:55	COMPLETE	U1	10048477	Unnamed Trib. of Hulburt Creek
8/7/2017 13:15	COMPLETE	U2	10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)
8/7/2017 13:40	COMPLETE	SP1	10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert
8/15/2017	COMPLETE		10031364	Lyndon Creek at 28th Ave
9/19/2017 10:00	COMPLETE	20170919-29-01	10048839	Lyndon Cr. US Wright St
9/19/2017 11:00	COMPLETE	20170919-29-02	10048568	Tracy Creek US STH 12
9/19/2017 13:30	COMPLETE	20170919-29-03	10048857	Holtzlander Cr. US CTH-HH
9/19/2017 14:00	COMPLETE	20170919-57-01	10016838	Gilmore Creek - Hwy. N
9/19/2017 15:00	COMPLETE	20170919-57-02	10040528	Unnamed Trib (WBIC:1298800) of Hulburt Creek US Lage Rd (Site 7)
9/20/2017 12:00	COMPLETE	2017-0920-57-02	10034326	Hulburt Creek 115m DS of Birchwood Rd
9/20/2017 16:00	COMPLETE	20170920-29-01	10048846	Unnamed Trib.(WBIC:1298810) of Hulburt Cr. US N. Sunset Dr.
9/20/2017 16:00	COMPLETE	20170920-57-03	10009968	Spring Brook - Spring Brook; 64 Meters Upstream From Highway 12 Culvert
9/22/2017 11:15	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd
10/18/2017 9:30	COMPLETE	D1	573187	Dell Creek at Coon Bluff Rd

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Documents

Title	Description	Author	Published	Comments
2016 Total Phosphorus Monitoring Report - Dell Creek at Coon Bluff Rd	Many of Wisconsin's water quality standards require multiple visits to make an impairment decision. Every year, several streams sites are monitored, and the field data collected during each visit is used to "flag" problem waters. The following year, follow up monitoring is conducted at sites where our data suggests that there might be an impairment, but we do not have the minimum data requirements to make an impairment decisions based on WisCALM guidance.	Ilana Haimes	1/6/2017	
DELL CREEK AND TRIBS OERW EVALUATION	Sauk Co., entire length of creek NOT listed and approved in code NR102 as OERW, only segment 3 is listed as ERW	Van Dyck, Gene	1/24/1989	
Dell Creek Priority Watershed Project	Sauk County LWCD final report of BMP installation in Dell Cr. watershed	Brent Bergstrom (and Jean Unmuth)	3/25/2010	
Dell Creek TWA 2016-2019 DRAFT PLAN (IN PROGRESS)	\\dnr.state.wi.us\Central\Water\WQWT_PROJECTS\WY_WQ_WQM_Planning\WatershedPlan_Datasets\FY17\SCR\1-2019_October_PC\Unmuth - Dell Creek TWA 2016	Unmuth, Jean and Lisa Helmuth	1/13/2020	
Monitoring Station Photo Dell Creek at CTH 23	Monitoring Station Photo Dell Creek at CTH 23	Unmuth, Jean	1/3/2017	
Nonpoint Source Control Plan for the Dell Creek Priority Watershed Project	Dell Creek PWS Plan - Nine Key Element Plan	Carlton Peterson	1/1/1998	

### Budget

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Budget Description: 2018_2019 Dell Creek 319 TWA Budget	Start Date: 7/1/2016	End Date: 12/31/2019
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	Data summary, watershed tables, report writing
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage		Miles	\$0.72	\$0.00	
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$0.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$0.00	

Total WSLH Lab Costs: \$0.00  
Total Budget: \$0.00

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Budget Description: 2017_2018 Dell Creek 319 TWA Budget	Start Date: 1/1/2017	End Date: 6/30/2018
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	150	Hours	\$0.00	\$0.00	Includes fieldwork & preparation for project work
LTE SAL	LTE Salary	256	Hours	\$13.00	\$3,328.00	Includes fieldwork & data entry
LTE FR	LTE Fringe				\$822.02	
LTE IND	LTE Indirect				\$671.06	
LTE TOT	LTE Total Cost				\$4,821.07	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	2020	Miles	\$0.72	\$1,454.40	Includes trips for reconn, monitoring & SLOH
MEAL	Meals	42	Meals	\$4.00	\$168.00	Includes meals for two interns - all packed lunches
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,622.40	
BUG	Bug Contracts	8		\$65.00	\$520.00	
OTHER	Other Contracts	1		\$300.00	\$300.00	Diatom sample Dell Cr.
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$7,263.47	

Total WSLH Lab Costs:	\$0.00
Total Budget:	\$7,263.47
Combined Budgets:	\$7,263.47
Combined WSLH:	\$0.00
Combined Total:	\$7,263.47

Funding					
Organization	Source	Type	Amount	Start Date	End Date