

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: East_TWA_3_2015

Name: Plum - Kankapot Creeks TWA, Brown, Outagamie, and Calumet Counties

Type: Targeted Watershed Approach

Subtype: Effectiveness (BMP, Other)

Status: COMPLETE

Start Date: 1/8/2015

End Date: 12/31/2015

Purpose: This Plum Creek and Kankapot Creek Watersheds targeted watershed assessment was designed to gather contemporary biological and physical information within the watershed. Water Chemistry and stream flow have been monitored through two gauge stations on Plum Creek since 2010 at CTH D and New Rd. A non-point source implementation plan that is consistent with EPA's Nine Key Element Plan has been recently approved by EPA in the Plum Creek and Kankapot Creek Watersheds (HUC12s).

Read the <https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=239697793> Plum Creek and Kankapot Creek Watersheds TWA WQ Plan

Objective: Contemporary biological, physical, and chemical monitoring was collected within the watershed prior to significant conservation practices occurring on the landscape through this Nine Key Element Plan (9KE plan). Sites within the Main Branch of Plum Creek and Kankapot Creek were evaluated using WisCALM guidance to evaluate fish, physical habitat, macroinvertebrate community, and water chemistry. The West Branch of Plum Creek was monitored and evaluated for Best Management Plan (BMP) effectiveness through additional CWA Section 319 project funding in 2015. A Great Lakes Restoration Initiative (GLRI) grant was awarded to install buffers and stream bank stabilization practices in the West Branch between 2011 and 2014.

Comments:

Outcome: Monthly water quality samples and a fall macroinvertebrate sample was collected and funded at the pour points of both Plum and Kankapot Creek through the Lower Fox River citizen monitoring grant.

Additionally quantitative habitat and fish surveys were collected to complete data collection at these two locations. Fish, habitat, and macroinvertebrates were collected from an additional 16 sites in the watershed. An additional site upstream on both Plum and Kankapot Creeks were sampled for water chemistry six times from May-October by volunteers.

Study Design: HUC 10 - 403020402

QA Measures: Standard DNR and SLOH protocols will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	12/28/2022	Wisconsin DNR	
Hudak, Andrew J	COORDINATOR	ACTIVE	1/8/2015	12/31/2099	Wisconsin DNR	
PAPPAS, RYAN J	COORDINATOR	ACTIVE	1/8/2015	12/31/2099	Wisconsin DNR	
Perdzock, Amanda R	COORDINATOR	ACTIVE	4/4/2018		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
2/10/2015	Andrew Hudak	Proposed	

Project Status Detail

Actions

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Action	Detailed Description	Start Date	End Date	Status
Monitor Targeted Area	Monitoring needed on upper segments of Mud Creek. All monitoring stations located in Segment 1, no stations/ monitoring data for Segments 2 or 3.	7/1/2008		COMPLETE

Monitoring Stations

Station ID	Name	Comments
453245	Kankapot Creek - Cth Ce	
453261	Kankapot Creek - Cth Z Dodge St 100 Ft US of Bridge	
10016668	Kankapot Creek - Upstream Of Cth Kk Bridge	
053201	Plum Creek - County Highway Zz Bridge Wrightstown	
053511	Plum Creek - Cth D	
10016599	Plum Creek - Downstream Of Cth Z - Hills Road	
10016874	Plum Creek - Upstream Of Lamers And Clancy Road	
10043676	Plum Creek 10m US ManCal Road	
10015580	Plum Creek- Upstream Of Holland Road	
10017053	Tributary To Kankapot Creek - Downstream Of Cth Gg - Militaryroad	
10016525	Tributary To Kankapot Creek - Downstream Of Schmidt Road Bridge	
10016494	Tributary To Plum Creek - Downstream Of County Line Road	
10043709	UNT to Kankapot creek 10 meters upstream Robinhood drive	
10043701	UNT to Kankapot creek 125 m downstream Schmitt Rd.	
10043750	UNT to Plum Creek 20 Meters US Holland Road	
10043749	UNT to Plum Creek 240 meters downstream CTH D	
10043731	UNT to West Plum Creek 120 meters DS County Line Road	
10043720	UNT to West Plum Creek 140 meters downstream CTH Z	
10043708	Unnamed trib to Kankapot Cr 160 meters DS of Schmidt Rd	
10043363	Unnamed trib to Kankapot Creek 50m DS CTH KK	
10039263	Unnamed Tributatry just upstream of KK	
10043742	West Plum Creek 20 meters upstream New Road	

Assessment Units

WBIC	Segment	Local Name	Official Name
125100	1	Plum Creek	Plum Creek
125100	2	Plum Creek	Plum Creek
125200	1	Local Water	Unnamed

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125300	1	Local Water	Unnamed
125500	1	Tributary to Plum Creek	Unnamed
126800	1	Kankapot Creek	Kankapot Creek
126800	2	Kankapot Creek	Kankapot Creek
126900	1	Local Water	Unnamed
127000	1	Local Water	Unnamed
129500	1	Mud Creek	Mud Creek
5022241	1	Unnamed	Unnamed
5022391	1	Unnamed	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ002	TARGETED WATERSHED ASSESSMENTS	3/26/2014	12/31/2099

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
5/1/2015	COMPLETE		053511	Plum Creek - Cth D
5/1/2015	COMPLETE		10043709	UNT to Kankapot creek 10 meters upstream Robinhood drive
5/1/2015	COMPLETE		10039263	Unnamed Tributary just upstream of KK
5/1/2015	COMPLETE		10016668	Kankapot Creek - Upstream Of Cth Kk Bridge
5/1/2015	COMPLETE		10043701	UNT to Kankapot creek 125 m downstream Schmitt Rd.
5/1/2015	COMPLETE		10017053	Tributary To Kankapot Creek - Downstream Of Cth Gg - Militaryroad
5/1/2015 12:00	COMPLETE		053201	Plum Creek - County Highway Zz Bridge Wrightstown
5/18/2015 11:00	COMPLETE	UTKC-2015-5	10043363	Unamed trib to Kankapot Creek 50m DS CTH KK
5/27/2015 11:00	COMPLETE	PCHR-2015-5	10016599	Plum Creek - Downstream Of Cth Z - Hills Road
5/27/2015 11:15	COMPLETE	TPCCLR-2015-5	10016494	Tributary To Plum Creek - Downstream Of County Line Road
6/29/2015 15:00	COMPLETE	PCHR-2015-6	10016599	Plum Creek - Downstream Of Cth Z - Hills Road
6/29/2015 15:00	COMPLETE	TPCCCR-2015-6	10016494	Tributary To Plum Creek - Downstream Of County Line Road
6/29/2015 15:00	COMPLETE	UNKC-2015-6	10043363	Unamed trib to Kankapot Creek 50m DS CTH KK
7/20/2015	COMPLETE	UNKC-2015-7	10043363	Unamed trib to Kankapot Creek 50m DS CTH KK
7/22/2015 11:10	COMPLETE	TPCCLR-2015-7	10016494	Tributary To Plum Creek - Downstream Of County Line Road
7/22/2015 11:15	COMPLETE	PCHR-2015-7	10016599	Plum Creek - Downstream Of Cth Z - Hills Road

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8/26/2015 9:30	COMPLETE	UNKC-2015-8	10043363	Unnamed trib to Kankapot Creek 50m DS CTH KK
8/27/2015 10:45	COMPLETE	PCHR-2015-8	10016599	Plum Creek - Downstream Of Cth Z - Hills Road
8/27/2015 11:00	COMPLETE	TPCCCR-2015-8	10016494	Tributary To Plum Creek - Downstream Of County Line Road
9/26/2015 13:30	COMPLETE	UTKC-2015-9	10043363	Unnamed trib to Kankapot Creek 50m DS CTH KK
9/28/2015	COMPLETE		10043709	UNT to Kankapot creek 10 meters upstream Robinhood drive
9/28/2015	COMPLETE		10043708	Unnamed trib to Kankapot Cr 160 meters DS of Schmidt Rd
9/28/2015	COMPLETE		10039263	Unnamd Tributatry just upstream of KK
9/28/2015	COMPLETE		10043676	Plum Creek 10m US ManCal Road
9/28/2015	COMPLETE		10016668	Kankapot Creek - Upstream Of Cth Kk Bridge
9/28/2015	COMPLETE		10016525	Tributary To Kankapot Creek - Downstream Of Schmidt Road Bridge
9/30/2015	COMPLETE		10043750	UNT to Plum Creek 20 Meters US Holland Road
9/30/2015	COMPLETE		10016874	Plum Creek - Upstream Of Lamers And Clancy Road
9/30/2015	COMPLETE		053511	Plum Creek - Cth D
9/30/2015	COMPLETE		10043749	UNT to Plum Creek 240 meters downstream CTH D
4/11/2016	COMPLETE		10016525	Tributary To Kankapot Creek - Downstream Of Schmidt Road Bridge

Documents

Title	Description	Author	Published	Comments
Kankapot Creek at CTH KK EOS	end of station	pappas	1/1/2015	
Kankapot Creek at CTH KK SOS	start of station	pappas	1/1/2015	
Plum Creek at CTH D EOS	end of station	pappas	1/1/2015	
Plum Creek at CTH D SOS	start of station	pappas	1/1/2015	
Plum Creek at CTH ZZ		pappas	1/1/2015	
Plum Creek at CTH ZZ Curlyleaf Pondweed	Curly leaf pondweed observed	pappas	1/1/2015	AIS
Plum Creek at CTH ZZ Purple Loosestrife	Purple loosestrife observed	pappas	1/1/2015	AIS
Plum Creek at CTH ZZ SOS	Start of station	pappaas	1/1/2015	
Plum Creek at ManCal Road EOS	end of station	pappas	1/1/2015	
Plum Creek at ManCal Road Phragmites	phragmites observed	pappas	1/1/2015	AIS
Plum Creek at ManCal Road SOS	start of station	pappas	1/1/2015	
Plum Creek at Vanderwetting Road		pappas	1/1/2015	

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Plum and Kankapot Creek Targeted Watershed Assessment: A Water Quality Plan to Protect Wisconsin Watersheds	Plum Kankapot Creek TWA 3200-2020-23	Hudak, Andrew	6/22/2020	
Plum and Kankapot Nine Key Element Plan		Hudak Andrew	1/1/2015	Nine Key Elements Plan
UNT to Kankapot Creek at CTH KK EOS	end of station	pappas	1/1/2015	
UNT to Kankapot Creek at CTH KK Rusty Crayfish	Rusty Crayfish Observed	pappas	1/1/2015	AIS
UNT to Kankapot Creek at CTH KK SOS	start of station	pappas	1/1/2015	
UNT to Kankapot at HWY 10 EOS	end of station	pappas	1/1/2015	
UNT to Kankapot at HWY 10 SOS	start of station	pappas	1/1/2015	
UNT to Kankapot at Robinhood Drive	looking downstream	pappas	1/1/2015	
UNT to Kankapot at Schmidt Road		pappas	1/1/2015	
UNT to Kankapot at Schmidt Road EOS	end of station	pappas	1/1/2015	
UNT to Kankapot at Schmidt Road eroded banks	Eroded banks of a tributary to Kankapot Creek	pappas	1/1/2015	
UNT to Kankapot at Schmidt Road sos	start of station	pappas	1/1/2015	
UNT to Plum Creek at CTH D EOS	end of station	pappas	1/1/2015	
UNT to Plum Creek at CTH D SOS	start of station	pappas	1/1/2015	
UNT to Plum Creek at Holland Road EOS	end of station	pappas	1/1/2015	
UNT to Plum Creek at Holland Road SOS	start of station	pappas	1/1/2015	

Budget

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Budget Description: TWA-PK Budget			Start Date: 5/1/2015	End Date: 12/31/2015
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	172	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	122	Hours	\$13.00	\$1,586.00	11 Trips x 10 hrs = 12 hrs data entry
LTE FR	LTE Fringe				\$391.74	
LTE IND	LTE Indirect				\$319.80	
LTE TOT	LTE Total Cost				\$2,297.54	
SUPPLY	Supplies	6		\$25.00	\$150.00	Shipping
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1200	Miles	\$0.72	\$864.00	
MEAL	Meals	24	Meals	\$10.00	\$240.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,104.00	
BUG	Bug Contracts	10		\$185.00	\$1,850.00	
OTHER	Other Contracts	2		\$200.00	\$400.00	DNI Samples
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$5,801.54	

Total WSLH Lab Costs:	\$0.00
Total Budget:	\$5,801.54
Combined Budgets:	\$5,801.54
Combined WSLH:	\$0.00
Combined Total:	\$5,801.54

Funding					
Organization	Source	Type	Amount	Start Date	End Date