

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LC01_WTPLAN
Name: Bear Creek (LC01) Watershed Planning
Type: Water Quality Planning
Subtype: Targeted Watershed Plans
Status: COMPLETE
Start Date: 07/01/2010
End Date: 06/30/2011
Purpose: Watershed plan update 2011. The Bear Creek Watershed covers 76.5 square miles in Buffalo and Pepin counties. Bear, Little Bear, and Spring creeks are the three primary sub-watersheds within the Bear Creek Watershed. The watershed drains rolling agricultural and wooded areas with many of the tributaries originating in steep coulees. The watershed also drains one urban area, the City of Durand. All streams within the Bear Creek Watershed drain the eastern slope of the Chippewa River Valley.

The Bear Creek Watershed contains typical steep topography characteristic of the driftless or un-glaciated area of the state. Because the most productive and level land is on the valley floor, most farming takes place immediately adjacent to streams. Former prairie and a portion of the forested lands have been converted to agricultural uses. The quality of trout streams in this watershed have improved or degraded as agricultural uses have diminished or increased.

Earlier editions of the Lower Chippewa River Water Quality Management Plan indicated the Nelson wastewater treatment plant and Nelson Cheese Factory discharged to the Lower Chippewa Basin. Due to a basin boundary change, both are in the Buffalo- Trempealeau River Basin. The majority of the wetlands in the watershed are adjacent to the Chippewa and Mississippi Rivers.

Objective:

Comments:

Outcome:

Study Design: Watershed specified for planning and assessment purposes. Assessment of water quality condition in this respective county will use protocols described in WisCALM of the year of assessment. Minimum assessment work includes biological data (macroinvertebrates, fish indices), chemistry and habitat data. Additional work includes identification of priorities and goals, creating recommendations for actions, and updating narratives for watersheds and waterbodies. Assessments are to be double checked by at least one additional biologist.

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	ACTIVE	03/12/2014		Wisconsin DNR	
LALIBERTE, PAUL J	SUPERVISOR	ACTIVE	07/01/2012	12/31/2014	Wisconsin DNR	
Person, Ruth	COORDINATOR	ACTIVE	03/12/2014			
RASMUSSEN, KURT	COORDINATOR	ACTIVE	07/01/2012	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Water Quality Planning	The Bear Creek Watershed covers 76.5 square miles in Buffalo and Pepin counties. Bear, Little Bear, and Spring creeks are the three primary sub-watersheds within the Bear Creek Watershed. The watershed drains rolling agricultural and wooded areas with many of the tributaries originating in steep coulees. The watershed also drains one urban area, the City of Durand. All streams within the Bear Creek Watershed drain the eastern slope of the Chippewa River Valley. The Bear Creek Watershed contains typical steep topography characteristic of the driftless or un-glaciated area of the state. Because the most productive and level land is on the valley floor, most farming takes place immediately adjacent to streams. Former prairie and a portion of the forested lands have been converted to agricultural uses. The quality of trout streams in this watershed have improved or degraded as agricultural uses have diminished or increased. Earlier editions of the Lower Chippewa River Water Quality Management Plan indicated the Nelson wastewater treatment plant and Nelson Cheese actory discharged to the Lower Chippewa Basin. Due to a basin oundary change, both are in the Buffalo-Trempealeau River Basin. The majority of the wetlands in the watershed are adjacent to the Chippewa and Mississippi Rivers.	07/01/2010	12/31/2014	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
721000	2	Mississippi (Reach 2) Buffalo-Whitewater - Chippewa River to LD 6 (lower Pool 4 to Pool 6)	Mississippi River
731800	1	Lake Pepin	Lake Pepin
1816200	3	Tamarack Creek	Tamarack Creek
1819900	1	Farrington Creek	Farrington Creek -Dugan Valley
1889200	1	Un Lake	Unnamed
2047500	1	Shively Slough	Shively Slough
2047600	1	By Golly Creek	By Golly Creek
2047800	1	Buffalo Slough	Buffalo Slough
2048000	1	Little Bear Creek	Little Bear Creek
2048000	2	Little Bear Creek	Little Bear Creek
2048100	1	Cascade Valley Ck (6-9) Trib. To Little Bear Ck.	Unnamed
2048300	1	Center Creek	Center Creek
2048400	1	North Branch Little Bear Creek	North Branch Little Bear Creek
2048400	2	North Branch Little Bear Creek	North Branch Little Bear Creek
2048500	1	Weisenbeck Valley Creek T23n R13w S2 (2-3)	Unnamed
2048700	1	Owen Valley Ck. (31-10) Trib. To North Branch Of Little Be	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

WBIC	Segment	Local Name	Official Name
2048800	1	Norwegian Valley Creek (2-14a) Trib. to Little Bear Creek	Unnamed
2049100	1	Little Buffalo Slough	Little Buffalo Slough
2049300	1	Stump Lake	Stump Lake
2049400	1	Spring Creek	Spring Creek
2049400	2	Spring Creek	Spring Creek
2049600	1	Creek 8-13 (Trib. To Spring Creek)	Unnamed
2050000	1	Chippewa River	Chippewa River
2050700	1	Battle Slough	Battle Slough
2050900	1	Duck Lake	Duck Lake
2050900	2	Duck Lake	Duck Lake
2054900	1	Wilcox Lake	Wilcox Lake
2055000	1	Eau Galle River	Eau Galle River
2055200	1	Thompson Lake	Thompson Lake
2061900	1	Bear Creek	Bear Creek
2061900	2	Bear Creek	Bear Creek
2061900	3	Bear Creek	Bear Creek
2061900	4	Bear Creek	Bear Creek
2062100	1	Fox Valley Creek (31-1) Trib. To Bear Creek	Unnamed
2062200	1	Newton Valley Creek (Shoe Creek)	Unnamed
2062400	1	Unnamed Cr T24n R12w S5 (5-9)	Unnamed
2062600	1	Tiffany Creek	Tiffany Creek
2062700	1	Creek 16-13 (Trib. To Tiffany Ck.)	Unnamed
2062900	1	Prissel Valley Creek (3-5) Trib. To Bear Creek	Unnamed
2063000	1	Unnamed Cr T25n R13w S1 (1-30)	Unnamed
2063000	2	Unnamed Cr T25n R13w S1 (1-30)	Unnamed
3000001	1	Un Lake	Unnamed
5544385	1	Local Water	Unnamed
5582235	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	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
Bear Creek LC01 Watershed Table		Ruth Person	06/18/2014	
Bear Creek Photo			12/18/2011	
Bear Creek Watershed			06/27/2011	

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Title	Description	Author	Published	Comments
(LC01) Ecological Landscapes Map Bear Creek Watershed (LC01) Impaired Waters Map			07/22/2011	
Bear Creek Watershed (LC01) WAG	Watershed at a Glance	WQ PROGRAM	07/27/2011	
Bear Creek Watershed Plan 2011 (LC01)	Assessments and recommendations for the Watershed.	Willger, Chris	11/24/2011	
Watershed-At-A-Glance LC01		Emerson, Jordan	06/21/2011	
streams_rivers_mIBI chart 2003 to 2013 data		Helmuth, Lisa	06/18/2014	
streams_rivers_mIBI report 2003 to 2013 data		Helmuth, Lisa	06/18/2014	
streams_rivers_tp report 2003 to 2013 data		Helmuth, Lisa	06/18/2014	

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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