

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: RP-253-14
Name: DANE COUNTY: Urban SWAT Model
Type: River Grant
Subtype: River Planning Grant
Status: COMPLETE
Start Date: 07/01/2013
End Date: 12/31/2014
Purpose: Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.
Objective:
Comments: Grantee is DANE COUNTY
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
DANE COUNTY,	GRANT_RECIP	ACTIVE	07/01/2013	12/31/2014	DANE COUNTY	

Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

Actions

Action	Detailed Description	Start	End Date	Status
--------	----------------------	-------	----------	--------

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
ATTAINS Water Identified for Protection	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE

Details:	Parameter	Value/Amount	Units	Comments
	BMP Implementation			
	I & E Activities			
	PCBs			
	Permit Modification			
	Products Developed:			
	Stormwater Plan			
	Protective Areas: Feet of bank protected			
	Protective Areas: Feet of bank protected			
	Protective Areas: Feet of bank protected			
	Report Writeup			
	Stormwater Goals Addressed:			
	Protective areas			
	Stormwater Goals Addressed:			
	Reduce TSS			
	Streambank & Shoreline			
	Protection: Pollutant load reduction			
	Streambank & Shoreline			
	Protection: Units			
	Streambank & Shoreline			
	Protection: Pollutant load reduction			
	Streambank & Shoreline			
	Protection: Units			
	Streambanks: Feet of bank protected			
	Streambanks: Feet of bank protected			
	Streambanks: Feet of bank protected			
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			
	Watershed Outreach, Planning			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Rivers Planning Grant	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE
Water Quality Modeling	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE
Project Deliverable	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE
Grant Awarded	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Runoff Evaluation	Dane County will undertake a River Planning Grant project to incorporate an urban analysis component within the SWAT (Soil and Water Assessment Tool) model. Project deliverables are as follows: 1.) Develop a revised SWAT model that can reliably simulate runoff from both urban and rural sources within the Six Mile Creek Watershed, 2.) Provide a summary of the modeling approach and modeling results in the final report; 3.) revised SWAT model will be an open source model available at no charge for other users.	07/01/2013	12/31/2014	COMPLETE

Monitoring Stations

Station ID	Name	Comments
------------	------	----------

Assessment Units

WBIC	Segment	Local Name	Official Name
805400	1	Mendota Lake	Lake Mendota
805500	1	Six Mile Creek	Sixmile Creek
805500	2	Six Mile Creek	Sixmile Creek
805600	1	Spring (Dorn) Creek	Dorn Creek
805600	2	Spring (Dorn) Creek	Dorn Creek
5034347	1	Six Mile Creek	Unnamed
5034420	1	Local Water	Unnamed
5034421	1	Local Water	Unnamed
5034500	1	Local Water	Unnamed
5034546	1	Local Water	Unnamed
5034619	1	Local Water	Unnamed
5034683	1	Local Water	Unnamed
5034711	1	Local Water	Unnamed
5034839	1	Local Water	Unnamed
5034876	1	Local Water	Unnamed
5573608	1	Local Water	Unnamed
5573976	1	Local Water	Unnamed
5574195	1	Local Water	Unnamed
5574260	1	Local Water	Unnamed
5574312	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

Forms

Form Code	Form Name
-----------	-----------

Methods

Method Code	Description
-------------	-------------

Fieldwork Events

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
------------	--------	----------	------------	--------------

Documents

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------