

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ARRA_Project18F wtdw
Name: ARRA 18F BCPC Supplemental WQM Plan Funding Grant 2P-00E73201
Type: Grant Project
Subtype: ARRA Pass Through Project
Status: ACTIVE
Start Date: 12/16/2009
End Date: 09/30/2010
Purpose: WQM Planning and related activities
Objective: The CIR (Color Infrared Imagery) Pilot Project is a proposal to obtain color infrared imagery (CIR) in order to expand Brown County, Wisconsin resources used when identifying wetlands within the county.
Comments: The total budget for the grant is \$10,000.
Outcome: BCRPC Contract - Supplemental funds for water quality planning in designated management areas; update Urban Service Area maps; contract with Brown County Regional Planning Commission.

Since this is a pilot study, Brown County staff will verify the accuracy of the CIR photography through on-site field visits at randomly selected wetland sites. The project is needed for several reasons. First, this project will serve as an additional database to be used in conjunction with the existing Wisconsin Wetland Inventory was created in 1978. Updated CIR will allow Brown County to complete several projects.

The CIR will allow developers, local officials, and county staff access to more precise information on the location of wetland boundaries. CIR imagery would be utilized in the decennial land use inventory which Brown County will conduct in 2010. Additionally, the data will be utilized to evaluate the long-term effectiveness of SSA planning in protecting wetlands and other ESAs. The creation of CIR will increase data sharing efficiencies between Brown County and the Wisconsin Department of Natural Resources.

Finally, the data will potentially be used in future updates of the Brown County Sewage Plan in 2012.

Project Statuses

Date	Reported By	Status	Comments
03/31/2010	LISA HELMUTH	Progress: 0-25% Comple	<p>Work was done on the project in relationship to evaluating the best set of air photographs to use for the project. At the time the project was proposed, a set of air photographs that are about 1-2 years old was available for purchase from a private vendor. At the present time, Brown County is preparing to create a new set of 2010 air photographs.</p> <p>The CIR Grant staff is in the process of determining if the new 2010 air photographs would be a better fit for the project, or if the 2010 air photographs would include a tree canopy that may block ground level wetlands from being identifiable.</p>
06/30/2010	Peter Schlein	Progress: 50-75% Compl	<p>Although discussions have taken place regarding this topic, Brown County is not seeking any reimbursement for work performed related to the CIR Pilot Project at this time.</p> <p>Work was done on the project in relationship to evaluating the best set of air photographs to use for the project. At the time the project was proposed, a set of air photographs that are about 1-2 years old was available for purchase from a private vendor. At the present time, Brown County is preparing to create a new set of 2010 air photographs.</p> <p>The CIR Grant staff is in the process of determining if the new 2010 air photographs would be a better fit for the project, or if the 2010 air photographs would include a tree canopy that may block ground level wetlands from being identifiable.</p>

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Date	Reported By	Status	Comments
09/30/2010	Peter Schlein	Progress: 50-75% Compl	<p>Although discussions have taken place regarding this topic, Brown County is not seeking any reimbursement for work performed related to the CIR Pilot Project at this time.</p> <p>Year 2010 air photographs were obtained by Brown County. As identified in earlier comments, Brown County staff determined that the 2010 air photographs would be the best product to use for the CIR project due to a higher quality resolution. The color infrared imagery was purchased and received by Brown County in September. Staff is now site verifying certain areas to ensure the accuracy of the product. To date, the accuracy appears to be high. The remainder of the grant will be used to ensure quality control and to integrate the product into a usable system for all staff to access. The initial usage of the product will be to help determine wetland areas while performing ESA reviews for preliminary plat and CSM projects, as well as ESA amendment reviews related to the Brown County Sewage Plan. Additional uses will be incorporated as needed.</p>

Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	FFY10 Q4
2. Amount expended this time period:	Brown County is not seeking reimbursement for work performed related to the CIR Pilot Project at this time.
3. Subcontracts or subgrants awarded this period:	None at this time.
4. Number work hours created or maintained to date:	96
5. Work accomplished this reporting period:	Color Infrared Imagery was purchased and acquired by Brown County. Certain areas were spot tested to determine accuracy and usability of the product. Pricing for product was a bit lower than expected, allowing staff additional time to verify accuracy of the product and to properly integrate the product into programs for convenient and accurate daily use by staff.
6. Work goals for coming reporting period:	Continue field verifying certain areas for quality control. Integrate product into computer systems for use when performing plat reviews related to land divisions, as well as ESA reviews and amendments related to the brown County Sewage Plan among other projects.
7. Overall project status:	The project air photos have been flown. Staff received pricing for product and purchased product. Staff is continuing progress related to quality control review. Waiting to obtain product with newer and higher higher quality air photographs was a good decision.
8. WDNR Question: Job equivalent Created	

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HELMUTH, LISAD	PROJECT_OFFIC	ACTIVE	03/31/2010		Wisconsin DNR	
Schlein, Peter	COORDINATOR	ACTIVE	03/31/2010		Brown County Planning Commission	

Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		10/03/2009	12/31/2099	IN_PROGRESS

Wisconsin Department of Natural Resources SWIMS Project Summary

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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
ARRA 18F BCPC Supplemental WQM Plan Funding Contract		WDNR		
ARRA 18F BCPC Supplemental WQM Plan Funding Project Description		WDNR	02/25/2010	
ARRA_18F_Q2FFY10_Repo rt		WDNR	04/28/2010	
ARRA_18F_Q3FFY10_Repo rt			07/30/2010	
Change Request for Purchase of CIR Product	Change Request Form related to the purchase of CIR product that relates to new year 2010 air photos. Document identifies product, data, included, and cost.	JEFF DUMEZ, LIO	09/10/0010	

Budget

Code	Description	Quantity	Units	Unit Cost	Total Cost
OTHER	Other Contracts	1		\$10,000.00	\$10,000.00

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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Total SLOH Lab Costs: \$0.00