

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: COMPLETE
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.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HELMUTH, LISA D	PROJECT_OFFICER	INACTIVE	03/31/2010	12/29/2010	Wisconsin DNR	
Schleinz, Peter	COORDINATOR	ACTIVE	03/31/2010		Brown County Planning Commission	

Project Statuses

Date	Reported By	Status	Comments
03/31/2010	LISA HELMUTH	Progress: 0-25% Complete	<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 Schleinz	Progress: 50-75% Complete	<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</p>

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09/30/2010	Peter Schlein	Progress: 50-75% C	<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>
12/15/2010	Peter Schlein	Complete	<p>Purchase of the CIR Imagery was invoiced on 23 Oct 2010. The CIR information was installed onto the Brown County GIS system shortly after and tested for accuracy and usability in relationship to new WDNR wetland maps, WDNR soiltype indicators, and year 2010 air photographs that were purchased by Brown County.</p> <p>On 27 Nov 2010 the CIR data was tested against its first ESA Amendment, a project which had an accurate wetland delineation that also had a concurrence letter from the WDNR.</p> <p>As of 05 Nov 2010, the CIR data has become an available reference tool used by Brown County for projects related to ESA amendments, SSA amendments, wetland delineation & identification reviews, CSM reviews, plat reviews, WQM reviews, information shared with the general public, and many other projects requiring the use of enhanced air photography.</p> <p>Staff has previewed many areas of the CIR to become familiar with the information being shown, and to verify that the data is accurately interpreted by all.</p>

Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	FFY10 Q4 (Extension to 31 Dec 2010).
2. Amount expended this time period:	Brown County is seeking reimbursement for \$10,000, related to work performed during all quarters of the project. To simplify reimbursement due to a small grant amount, quarterly reimbursements were not requested.
3. Subcontracts or subgrants awarded this period:	None at this time.

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Question	Answer
4. Number work hours created or maintained to date:	161
5. Work accomplished this reporting period:	Purchase of the CIR Imagry was invoiced on 23 Oct 2010. The CIR information was installed onto the Brown County GIS system shortly after and tested for accuracy and usability in relationship to new WDNR wetland maps, WDNR soiltype indicators, and year 2010 air photographs that were purchased by Brown County. On 27 Nov 2010 the CIR data was tested against its first ESA Amendment, a project which had an accurate wetland delineation that also had a concurrence letter from the WDNR. As of 05 Nov 2010, the CIR data has become an available reference tool used by Brown County for projects related to ESA amendments, SSA amendments, wetland delineation & identification reviews, CSM reviews, plat reviews, WQM reviews, information shared with the general public, and many other projects requiring the use of enhanced air photography. Staff has previewed many areas of the CIR to become familiar with teh information being shown, and to verify that the data is accurately interpreted by all. Field verification and incorporating data into future projects will be an ongoing process.
6. Work goals for coming reporting period:	Field verification and incorporating data into future projects will be an ongoing process after grant closes.
7. Overall project status:	The project is complete with the acquisition of CIR, incorporating the data into daily work reviews, and having the data available for public to view.
8. WDNR Question: Job equivalent Created	

Actions				
Action	Detailed Description	Start	End Date	Status
Grant Awarded		*****	12/31/2099	IN_PROGRESS

Monitoring Stations		
Station ID	Name	Comments

Assessment Units			
WBIC	Segment	Local Name	Official Name

Lab Account Codes			
Account Code	Description	Start Date	End Date

Forms	
Form Code	Form Name

Methods	
Method Code	Description

Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name

Documents				
Title	Description	Author	Published	Comments
ARRA 18F BCPC		Wdnr		

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Title	Description	Author	Published	Comments
Supplemental WQM Plan Funding Contract ARRA 18F BCPC		Wdnr	02/25/2010	
Supplemental WQM Plan Funding Project Description ARRA_18F_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_18F_Q3FFY10_Report			07/30/2010	
ARRA_18f_Q4FFY10_Report			11/01/2010	
CIR Imagery Grant Final Report and Reimbursement Request	The document summarises multiple types of projects that the CIR Imagery is used for. Two basic examples are included in the report to demonstrate how simple, the information can be to use, yet how complex the data can be in certain situations.	Peter Schleinz	12/15/2010	
CIR Imagery Grant Final Report and Reimbursement Request	The report also includes a request for grant reimbursement. The document summarises multiple types of projects that the CIR Imagery is used for. Two basic examples are included in the report to demonstrate how simple, the information can be to use, yet how complex the data can be in certain situations.	Peter Schleinz	12/15/2010	
Change Request for Purchase of CIR Product	The report also includes a request for grant reimbursement. 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	
Sanborn Purchase Invoice	Invoice demonstrating purchase cost of CIR when acquired with purchase of high quality year 2010 air photographs.		10/23/2010	

Budget

Budget Description: Budget for ARRA 18F BCPC Supplemental WQM Plan Funding Grant 2P-00E73201 **Start Date:** 12/16/2009 **End Date:** 09/30/2010

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

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

Combined Budgets: \$0.00

Combined SLOH: \$0.00

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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