

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: 9/30/2010

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.

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Schleinz, Peter	COORDINATOR	ACTIVE	3/31/2010		Brown County Planning Commission	

Project Statuses

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Date	Reported By	Status	Comments
3/31/2010	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> <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>
6/30/2010	Peter Schleinz	Progress: 50-75% 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> <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>
9/30/2010	Peter Schleinz	Progress: 50-75% Complete	<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>

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12/15/2010	Peter Schleinz	Complete	<p>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.</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>
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Project Status Detail

Answer Set: DEFAULT

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.
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 the 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	

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Actions				
Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		10/3/2009	12/31/2099	IN_PROGRESS
Water Quality Planning	Supplemental funds for water quality planning in designated management areas; update Urban Service Area maps; contract with Brown County Regional Planning Commission.	12/16/2009	9/30/2010	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
BMP Implementation			
I & E Activities			
PCBs			
Permit Modification			
Report Writeup			
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			
Watershed Outreach, Planning			

Monitoring Stations		
Station ID	Name	Comments

Assessment Units			
WBIC	Segment	Local Name	Official Name
20	25	Lake Michigan - Bay Beach	Lake Michigan
20	52	Bayshore Park Beach, Lake Michigan	Lake Michigan
20	53	Communiversity Park Beach, Lake Michigan	Lake Michigan
20	54	Longtail Beach, Lake Michigan	Lake Michigan
70	1	Green Bay (Inner Bay, Aoc)	Green Bay
70	2	Green Bay (GI Shoreline)	Green Bay
93	1	Peats Lake	Peats Lake
94	1	Dead Horse Bay	Dead Horse Bay
71300	3	Branch River	Branch River
71900	1	Unnamed Creek (T20n R22e S20 Nese)	Unnamed
72300	1	Unnamed Creek (T21n R21e S21)	Unnamed
75000	2	Mud Creek (Reedsville) T19n, R21e, S34	Mud Creek
82900	1	Lilly Lake	Lilly Lake
83000	1	Middle Lake	Middle Lake
88200	1	Neshota River	Neshota River
88200	2	Neshota River	Neshota River

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88600	1	Unnamed	Unnamed
88900	1	Unnamed Trib T22n, R22e, S25 Nsw	Unnamed
89000	1	Un Lake	Unnamed
89100	1	T22n, R22e, S23 Sesw (Denmark Creek)	Unnamed
89200	1	Langes Corners Creek (Unnamed Trib T22n, R22e, S15 Swme)	Unnamed
89300	1	T22n, R22e, S15 Nwne(Langes Corner)	Unnamed
89400	1	King Creek	King Creek
89500	1	Unnamed Trib T22n, R22e, S03 Sesw	Unnamed
89600	1	Twin Hill Creek	Twin Hill Creek
89700	1	Unnamed Trib T22n, R22e, S05 Sene	Unnamed
89800	1	Third Lake	Third Lake
89900	2	Devils River	Devils River
90700	5	Kewaunee River	Kewaunee River
91000	4	Scarboro Creek	Scarboro Creek
92200	1	School Creek	School Creek
92200	2	School Creek	School Creek
92500	1	Unnamed Trib (T25n, R23e, S33)	Unnamed
93800	1	Un Lake	Unnamed
101200	1	Gilson Creek	Gilson Creek
101200	2	Gilson Creek	Gilson Creek
115800	1	Un Lake	Unnamed
115900	1	Un Lake	Unnamed
116000	1	Un Lake	Unnamed
117700	1	Unnamed Stream	Unnamed
117800	1	Bay Beach Lagoons	Bay Beach Lagoons
117800	2	Bay Beach Lagoon TEST Beach	Bay Beach Lagoons
117900	1	Lower Fox River (Mouth To Depere Dam)	Fox River
117900	2	Lower Fox River (Depere Dam To Middle Appleton Dam)	Fox River
118000	1	East River	East River
118000	2	East River	East River
118100	1	Baird Creek	Baird Creek
118100	2	Baird Creek	Baird Creek
118200	1	Unnamed Stream	Unnamed
118300	1	Local Water	Unnamed

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118400	1	Bower Creek	Bower Creek
118400	2	Bower Creek	Bower Creek
118500	1	Unnamed Trib to Bower Creek	Unnamed
118600	1	Unnamed Stream	Unnamed
118700	1	Unnamed Trib to Bower Creek	Unnamed
118700	2	Unnamed Trib to Bower Creek	Unnamed
118800	1	Unnamed Stream	Unnamed
118900	1	Unnamed Stream	Unnamed
119000	1	Bower Creek	Unnamed
119100	1	Unnamed Stream	Unnamed
119200	1	Unnamed Stream	Unnamed
119300	1	Unnamed Stream	Unnamed
119400	1	Unnamed Stream	Unnamed
119500	1	Unnamed Stream	Unnamed
119600	1	Unnamed Stream	Unnamed
119700	1	BIRCH CREEK	Unnamed
119700	2	Local Water	Unnamed
119800	1	Unnamed Stream	Unnamed
119900	1	Un Lake	Unnamed
120000	1	Unamed	Un Spring
120100	1	Unspring	Un Spring
120200	1	Birch Creek (T22n,R20e,S20)	Unnamed
120300	1	Un Spring	Un Spring
120400	1	Unnamed Stream	Unnamed
120500	1	Unnamed Creek (T22n,R20e,S31)	Unnamed
120600	1	Unnamed Stream	Unnamed
120700	1	Unamed	Un Spring
120900	1	Unnamed Stream	Unnamed
121000	1	Unnamed Stream	Unnamed
121100	1	Unamed	Un Spring
121200	1	Unnamed Creek(T21n,R20e,S18)	Unnamed
121300	1	Unnamed Stream	Unnamed
121400	1	Un Lake	Unnamed
121500	1	Unnamed Stream	Unnamed
121600	1	Dutchman Creek	Dutchman Creek

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121600	2	Dutchman Creek	Dutchman Creek
121700	1	Trib to Dutchman Cr	Unnamed
121800	1	Dutchman Creek	Unnamed
122100	1	Unnamed Trib to Dutchman Creek	Unnamed
122200	1	Ashwaubenon Creek	Ashwaubenon Creek
122300	1	Unnamed stream	Unnamed
122600	1	Hemlock Creek	Hemlock Creek
122600	2	Hemlock Creek	Hemlock Creek
122700	1	Trib to Hemlock Cr	Unnamed
122700	2	Trib to Hemlock Cr	Unnamed
122800	1	Trib to Ashwaubenon Cr	Unnamed
122800	2	Trib to Ashwaubenon Cr	Unnamed
122900	1	Unnamed Stream	Unnamed
123000	1	Unnamed Stream	Unnamed
123100	1	Ashwaubenon Creek	Unnamed
123200	1	North Branch Ashwaubenon Creek	North Branch Ashwaubenon Creek
123200	2	North Branch Ashwaubenon Creek	North Branch Ashwaubenon Creek
123400	1	South Branch Ashwaubenon Creek	South Branch Ashwaubenon Creek
124100	2	Apple Creek	Apple Creek
124100	3	Apple Creek	Apple Creek
124200	1	Local Water	Unnamed
124300	1	Unnamed Stream	Unnamed
124400	1	Un Lake	Unnamed
125100	1	Plum Creek	Plum Creek
125100	2	Plum Creek	Plum Creek
125200	1	Local Water	Unnamed
125300	1	Local Water	Unnamed
125500	1	Tributary to Plum Creek	Unnamed
125500	2	Unnamed Trib to Plum Cr	Unnamed
125600	1	Unnamed Creek(T21n,R19e,S36)	Unnamed
408900	1	Un Lake	Unnamed
409000	1	Un Lake	Unnamed
409100	1	Un Lake	Unnamed
409200	1	Un Lake	Unnamed
409300	1	Un Lake	Unnamed

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409400	1	Un Lake	Unnamed
409500	1	Un Lake	Unnamed
409600	1	Lake Michigan	Unnamed
409700	1	Duck Creek	Duck Creek
409700	3	Duck Creek	Duck Creek
409900	1	Local Water	Unnamed
410000	1	Lancaster Creek	Unnamed
410000	2	Lancaster Creek	Unnamed
410050	1	Thornberry Creek	Unnamed
410100	1	Beaver Dam Creek	Beaver Dam Creek
410100	2	Beaver Dam Creek	Beaver Dam Creek
410200	1	Trout Creek	Trout Creek
410300	1	Un Lake	Unnamed
410500	1	Local Water	Unnamed
410800	1	Unnamed Stream	Unnamed
410900	1	Suamico River	Suamico River
410900	2	Suamico River	Suamico River
411000	1	Wilson Creek	Haller Creek
411000	2	Haller Creek	Haller Creek
411100	1	Hidden Lake Creek	Unnamed
411300	1	Unnamed Lake	Unnamed
411400	1	North Branch Suamico River	North Branch Suamico River
411500	1	Potter Creek	Potter Creek
411500	2	Potter Creek	Potter Creek
411600	1	West Branch Suamico River	West Branch Suamico River
411700	1	South Branch Suamico River	South Branch Suamico River
411700	2	South Branch Suamico River	South Branch Suamico River
411800	1	Little Suamico River	Little Suamico River
412100	1	Unnamed Stream	Unnamed
3000021	1	Mahone Creek	Unnamed
3000022	1	Un Creek	Unnamed
3000065	1	Un Lake	Unnamed
3000105	1	East River Tributary	East River Trib
3000111	1	Unnamed Stream	Unnamed
3000112	1	Local Water	Unnamed

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3000112	2	Local Water	Unnamed
3000113	1	Local Water	Unnamed
3000114	1	Unnamed Stream	Unnamed
3000129	1	Unnamed Stream	Unnamed
3000130	1	Local Water	Unnamed
3000132	1	Unnamed Stream	Unnamed
3000133	1	Unnamed Stream	Unnamed
3000163	1	Unnamed Stream	Unnamed
3000164	1	Unnamed Stream	Unnamed
3000166	1	Local Water	Unnamed
3000167	1	Unnamed Stream	Unnamed
3000333	1	Local Water	Unnamed
3000354	1	Creek 13-4	Unnamed
3000400	1	Local Water	Unnamed
3000402	1	Unnamed Stream	Unnamed
3000404	1	Local Water	Unnamed
3000549	1	Local Water	Unnamed
3000550	1	Local Water	Unnamed
3000551	1	Unnamed Stream	Unnamed
3000553	1	Local Water	Unnamed
3000554	1	Dune Creek	Unnamed
3000555	1	Local Water	Unnamed
3000556	1	Unnamed Stream	Unnamed
3000557	1	Unnamed Stream	Unnamed
3000558	1	Local Water	Unnamed
3000559	1	Local Water	Unnamed
3000560	1	Local Water	Unnamed
3000561	1	Unnamed Stream	Unnamed
3000562	1	Local Water	Unnamed
3000563	1	Suamico River	Unnamed
3000564	1	Local Water	Unnamed
3000565	1	Unnamed Stream	Unnamed
3000566	1	Unnamed Stream	Unnamed
3000568	1	Unnamed Stream	Unnamed
3000574	1	Unnamed Stream	Unnamed

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3000576	1	Unnamed Stream	Unnamed
5014801	1	Unnamed Stream	Unnamed
5014803	1	Unnamed Stream	Unnamed
5014841	1	Unnamed Stream	Unnamed
5014880	1	Unnamed Stream	Unnamed
5014891	1	Unnamed Stream	Unnamed
5014892	1	Unnamed Stream	Unnamed
5014911	1	Unnamed Stream	Unnamed
5014962	1	Unnamed Stream	Unnamed
5014996	1	Unnamed Stream	Unnamed
5015097	1	Unnamed Stream	Unnamed
5015101	1	Unnamed Stream	Unnamed
5015112	1	Unnamed Stream	Unnamed
5015123	1	Local Water	Unnamed
5015156	1	Unnamed Stream	Unnamed
5015166	1	Unnamed Stream	Unnamed
5015170	1	Unnamed Stream	Unnamed
5015190	1	Unnamed Stream	Unnamed
5015271	1	Unnamed Stream	Unnamed
5015290	1	Unnamed Stream	Unnamed
5015368	1	Local Water	Unnamed
5015490	1	Unnamed Stream	Unnamed
5015504	1	Unnamed Stream	Unnamed
5015593	1	Unnamed Stream	Unnamed
5015649	1	Unnamed Stream	Unnamed
5015725	1	Unnamed Stream	Unnamed
5015733	1	Unnamed Stream	Unnamed
5015765	1	Local Water	Unnamed
5015792	1	Unnamed Stream	Unnamed
5015801	1	Unnamed Stream	Unnamed
5015832	1	Unnamed Stream	Unnamed
5015839	1	Unnamed Stream	Unnamed
5015856	1	Unnamed Stream	Unnamed
5015868	1	Unnamed Stream	Unnamed
5015935	1	Unnamed Stream	Unnamed

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5015947	1	Unnamed Stream	Unnamed
5015948	1	Unnamed Stream	Unnamed
5016029	1	Unnamed Stream	Unnamed
5016056	1	Unnamed Stream	Unnamed
5016061	1	Unnamed Stream	Unnamed
5016079	1	Unnamed Stream	Unnamed
5016113	1	Unnamed Stream	Unnamed
5016147	1	Unnamed Stream	Unnamed
5016192	1	Unnamed Stream	Unnamed
5016225	1	Unnamed Stream	Unnamed
5016239	1	Unnamed Stream	Unnamed
5016244	1	Unnamed Stream	Unnamed
5016286	1	Unnamed Stream	Unnamed
5016315	1	Unnamed Stream	Unnamed
5016321	1	Unnamed Stream	Unnamed
5016460	1	Unnamed	Unnamed
5016462	1	Unnamed Stream	Unnamed
5016472	1	Unnamed Stream	Unnamed
5016477	1	Unnamed Stream	Unnamed
5016553	1	Unnamed Stream	Unnamed
5016573	1	Unnamed Stream	Unnamed
5016644	1	Unnamed	Unnamed
5016669	1	Unnamed Stream	Unnamed
5016694	1	Unnamed Stream	Unnamed
5016736	1	Thornberg Creek	Unnamed
5016756	1	Unnamed Stream	Unnamed
5016884	1	Unnamed Stream	Unnamed
5016906	1	Unnamed Stream	Unnamed
5016912	1	Unnamed Stream	Unnamed
5016932	1	Unnamed Stream	Unnamed
5016979	1	Unnamed Stream	Unnamed
5017009	1	Unnamed Stream	Unnamed
5017053	1	Unnamed Stream	Unnamed
5017073	1	Unnamed Stream	Unnamed
5017098	1	Unnamed Stream	Unnamed

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5017121	1	Unnamed Stream	Unnamed
5017245	1	Unnamed Stream	Unnamed
5017247	1	Unnamed Stream	Unnamed
5017284	1	Unnamed Stream	Unnamed
5017300	1	Unnamed Stream	Unnamed
5017372	1	Unnamed Stream	Unnamed
5017385	1	Unnamed Stream	Unnamed
5017415	1	Unnamed Stream	Unnamed
5017426	1	Unnamed Stream	Unnamed
5017468	1	Unnamed Stream	Unnamed
5017471	1	Unnamed Stream	Unnamed
5017554	1	Unnamed Stream	Unnamed
5017572	1	Unnamed Stream	Unnamed
5017647	1	Unnamed Stream	Unnamed
5017651	1	Unnamed Stream	Unnamed
5017696	1	Unnamed Stream	Unnamed
5017760	1	Unnamed Stream	Unnamed
5017776	1	Unnamed Stream	Unnamed
5017883	1	Unnamed Stream	Unnamed
5017905	1	Unnamed Stream	Unnamed
5017914	1	Unnamed Stream	Unnamed
5017930	1	Unnamed Stream	Unnamed
5017933	1	Unnamed Stream	Unnamed
5017937	1	Unnamed Stream	Unnamed
5017985	1	Unnamed Stream	Unnamed
5018042	1	Unnamed Stream	Unnamed
5018057	1	Unnamed Stream	Unnamed
5018085	1	Unnamed Stream	Unnamed
5018099	1	Trib To The East River	Unnamed
5018128	1	Unnamed Stream	Unnamed
5018176	1	Unnamed Stream	Unnamed
5018190	1	Unnamed Stream	Unnamed
5018196	1	Unnamed Stream	Unnamed
5018200	1	Unnamed Stream	Unnamed
5018249	1	Unnamed Stream	Unnamed

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5018293	1	Unnamed Stream	Unnamed
5018338	1	Unnamed Stream	Unnamed
5018382	1	Unnamed Stream	Unnamed
5018407	1	Unnamed Stream	Unnamed
5018489	1	Unnamed Stream	Unnamed
5018497	1	Unnamed Stream	Unnamed
5018628	1	Unnamed Stream	Unnamed
5018655	1	Unnamed Stream	Unnamed
5018670	1	Local Water	Unnamed
5018732	1	Unnamed Stream	Unnamed
5018737	1	Trib to Dutchman Cr	Unnamed
5018737	2	Trib to Dutchman Cr	Unnamed
5018761	1	Unnamed Stream	Unnamed
5018798	1	Unnamed Stream	Unnamed
5018838	1	Unnamed Stream	Unnamed
5018887	1	Unnamed Stream	Unnamed
5018900	1	Unnamed Stream	Unnamed
5018901	1	Unnamed Stream	Unnamed
5018907	1	Unnamed Stream	Unnamed
5018932	1	Unnamed Stream	Unnamed
5018950	1	Unnamed Stream	Unnamed
5019009	1	Unnamed Stream	Unnamed
5019044	1	Dutchman Creek	Dutchman Creek
5019087	1	Unnamed Stream	Unnamed
5019110	1	Unnamed Stream	Unnamed
5019121	1	Unnamed Stream	Unnamed
5019146	1	Unnamed Stream	Unnamed
5019159	1	Unnamed Stream	Unnamed
5019215	1	Unnamed Stream	Unnamed
5019278	1	Unnamed Stream	Unnamed
5019379	1	Unnamed Stream	Unnamed
5019396	1	Unnamed Stream	Unnamed
5019424	1	Unnamed Stream	Unnamed
5019430	1	Unnamed Stream	Unnamed
5019433	1	Unnamed Stream	Unnamed

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5019434	1	Unnamed Stream	Unnamed
5019439	1	Unnamed Stream	Unnamed
5019450	1	Unnamed Stream	Unnamed
5019473	1	Unnamed Stream	Unnamed
5019477	1	Unnamed Trib to Bower Creek	Unnamed
5019503	1	Trib to N Br Ashwaubenon Cr	Unnamed
5019515	1	Unnamed Stream	Unnamed
5019537	1	Unnamed Stream	Unnamed
5019554	1	Unnamed Stream	Unnamed
5019574	1	Unnamed Stream	Unnamed
5019619	1	Unnamed Stream	Unnamed
5019649	1	Unnamed Stream	Unnamed
5019660	1	Unnamed Stream	Unnamed
5019677	1	Unnamed Stream	Unnamed
5019681	1	Unnamed Stream	Unnamed
5019692	1	Unnamed Stream	Unnamed
5019697	1	Unnamed Stream	Unnamed
5019708	1	Unnamed Stream	Unnamed
5019748	1	Trib to S Br Ashwaubenon Cr	Unnamed
5019750	1	Unnamed Stream	Unnamed
5019759	1	Unnamed Stream	Unnamed
5019809	1	Unnamed Stream	Unnamed
5019818	1	Unnamed Stream	Unnamed
5019824	1	Unnamed Stream	Unnamed
5019841	1	Unnamed Stream	Unnamed
5019849	1	Unnamed Stream	Unnamed
5019856	1	Unnamed Stream	Unnamed
5019861	1	Unnamed Stream	Unnamed
5019879	1	Unnamed Stream	Unnamed
5019891	1	Unnamed Stream	Unnamed
5019923	1	Local Water	Unnamed
5019935	1	Unnamed Stream	Unnamed
5019979	1	Unnamed Stream	Unnamed
5019991	1	Unnamed Stream	Unnamed
5020017	1	Unnamed Stream	Unnamed

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5020026	1	Unnamed Stream	Unnamed
5020041	1	Local Water	Unnamed
5020047	1	Unnamed Stream	Unnamed
5020079	1	Unnamed Stream	Unnamed
5020092	1	Unnamed Stream	Unnamed
5020093	1	Unnamed Stream	Unnamed
5020109	1	Unnamed Stream	Unnamed
5020110	1	Unnamed Stream	Unnamed
5020111	1	Unnamed Stream	Unnamed
5020112	1	Unnamed Stream	Unnamed
5020130	1	Unnamed Stream	Unnamed
5020134	1	Unnamed Stream	Unnamed
5020136	1	Unnamed Stream	Unnamed
5020146	1	Unnamed Stream	Unnamed
5020148	1	Unnamed Stream	Unnamed
5020150	1	Unnamed Stream	Unnamed
5020175	1	Unnamed Stream	Unnamed
5020187	1	Local Water	Unnamed
5020204	1	Unnamed Stream	Unnamed
5020205	1	Unnamed Stream	Unnamed
5020206	1	Unnamed Stream	Unnamed
5020240	1	Unnamed Stream	Unnamed
5020247	1	Unnamed Stream	Unnamed
5020250	1	Unnamed Stream	Unnamed
5020256	1	Unnamed Stream	Unnamed
5020266	1	Unnamed Stream	Unnamed
5020297	1	Unnamed Stream	Unnamed
5020306	1	Unnamed Stream	Unnamed
5020361	1	Unnamed Stream	Unnamed
5020368	1	Unnamed Stream	Unnamed
5020372	1	Unnamed Stream	Unnamed
5020380	1	Unnamed Stream	Unnamed
5020404	1	Unnamed Stream	Unnamed
5020408	1	Unnamed Stream	Unnamed
5020413	1	Unnamed Stream	Unnamed

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5020425	1	Unnamed Stream	Unnamed
5020441	1	Unnamed Stream	Unnamed
5020487	1	Unnamed Stream	Unnamed
5020500	1	Unnamed Stream	Unnamed
5020518	1	Unnamed Stream	Unnamed
5020521	1	Unnamed Stream	Unnamed
5020564	1	Unnamed Stream	Unnamed
5020580	1	Unnamed Stream	Unnamed
5020592	1	Unnamed Stream	Unnamed
5020593	1	Unnamed Stream	Unnamed
5020613	1	Unnamed Stream	Unnamed
5020617	1	Unnamed Stream	Unnamed
5020651	1	Unnamed Stream	Unnamed
5020679	1	Unnamed Stream	Unnamed
5020686	1	Unnamed Stream	Unnamed
5020690	1	Unnamed Stream	Unnamed
5020696	1	Unnamed Stream	Unnamed
5020719	1	Trib of East River	Unnamed
5020723	1	Unnamed Stream	Unnamed
5020747	1	Unnamed Stream	Unnamed
5020782	1	Unnamed Stream	Unnamed
5020809	1	Unnamed Stream	Unnamed
5020912	1	Trib to East River	Unnamed
5020928	1	Unnamed Stream	Unnamed
5020933	1	Local Water	Unnamed
5020982	1	Unnamed Stream	Unnamed
5021003	1	Unnamed Stream	Unnamed
5021023	1	Unnamed Stream	Unnamed
5021032	1	Unnamed Stream	Unnamed
5021034	1	Unnamed Stream	Unnamed
5021041	1	Unnamed Stream	Unnamed
5021075	1	Unnamed Stream	Unnamed
5021105	1	Unnamed Stream	Unnamed
5021115	1	Unnamed Stream	Unnamed
5021133	1	Unnamed Stream	Unnamed

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5021159	1	Unnamed Stream	Unnamed
5021186	1	Unnamed Stream	Unnamed
5021188	1	Unnamed Stream	Unnamed
5021224	1	Unnamed Stream	Unnamed
5021225	1	Unnamed Stream	Unnamed
5021240	1	Unnamed Stream	Unnamed
5021280	1	Unnamed Stream	Unnamed
5021284	1	Unnamed Stream	Unnamed
5021288	1	Unnamed Stream	Unnamed
5021329	1	Local Water	Unnamed
5021334	1	Unnamed Stream	Unnamed
5021339	1	Unnamed Stream	Unnamed
5021358	1	Unnamed Stream	Unnamed
5021366	1	Unnamed Stream	Unnamed
5021369	1	Unnamed Stream	Unnamed
5021382	1	Unnamed Stream	Unnamed
5021421	1	Unnamed Stream	Unnamed
5021437	1	Unnamed Stream	Unnamed
5021466	1	Unnamed Stream	Unnamed
5021497	1	Unnamed Stream	Unnamed
5021502	1	Unnamed Stream	Unnamed
5021551	1	Unnamed Stream	Unnamed
5021582	1	Unnamed Stream	Unnamed
5021624	1	Unnamed Stream	Unnamed
5021642	1	Unnamed Stream	Unnamed
5021686	1	Unnamed Stream	Unnamed
5021718	1	Unnamed Stream	Unnamed
5021759	1	Unnamed Stream	Unnamed
5021798	1	Unnamed Stream	Unnamed
5021813	1	Unnamed Stream	Unnamed
5022241	1	Unnamed	Unnamed
5542104	1	Local Water	Unnamed
5542574	1	Local Water	Unnamed
5542649	1	Local Water	Unnamed
5543303	1	Local Water	Unnamed

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5543311	1	Local Water	Unnamed
5543348	1	Local Water	Unnamed
5543559	1	Local Water	Unnamed
5543620	1	Local Water	Unnamed
5543811	1	Local Water	Unnamed
5543843	1	Local Water	Unnamed
5544034	1	Local Water	Unnamed
5544519	1	Local Water	Unnamed
5545033	1	Local Water	Unnamed
5545408	1	Local Water	Unnamed
5545707	1	Local Water	Unnamed
5546342	1	Local Water	Unnamed
5546415	1	Local Water	Unnamed
5546438	1	Local Water	Unnamed
5546447	1	Local Water	Unnamed
5546458	1	Local Water	Unnamed
5546471	1	Local Water	Unnamed
5546474	1	Local Water	Unnamed
5546574	1	Local Water	Unnamed
5546591	1	Local Water	Unnamed
5547065	1	Local Water	Unnamed
5547166	1	Local Water	Unnamed
5547304	1	Local Water	Unnamed
5547317	1	Local Water	Unnamed
5547389	1	Local Water	Unnamed
5547426	1	Local Water	Unnamed
5547475	1	Local Water	Unnamed
5547622	1	Local Water	Unnamed
5547636	1	Local Water	Unnamed
5547641	1	Local Water	Unnamed
5547709	1	Local Water	Unnamed
5547717	1	Local Water	Unnamed
5547788	1	Local Water	Unnamed
5547833	1	Local Water	Unnamed
5548109	1	Unamed	Unnamed

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5549237	1	Local Water	Unnamed
5549238	1	Local Water	Unnamed
5549690	1	Local Water	Unnamed
5549953	1	Local Water	Unnamed
5550279	1	Local Water	Unnamed
5550520	1	Local Water	Unnamed
5551544	1	Local Water	Unnamed
5552242	1	Local Water	Unnamed
5584635	1	Local Water	Unnamed
5590549	1	Local Water	Unnamed
5591002	1	Local Water	Unnamed
5591006	1	Local Water	Unnamed
5591395	1	Unnamed Lake	Unnamed
5591396	1	Unnamed Lake	Unnamed
5591397	1	Unnamed Lake	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	Method 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_FinalQuarterlyReport	Grant Report		12/1/2011	
ARRA_18F_Q2FFY10_Report		Wdnr	4/28/2010	
ARRA_18F_Q3FFY10_Report	Grant Report		7/30/2010	
ARRA_18f_Q4FFY10_Report	Grant Report		11/1/2010	
BCPC ARRA 18F Supplemental WQM Plan Funding Contract	BCPC ARRA 18F Supplemental WQM Plan Funding Contract	WDNR	1/27/2009	
BCPC ARRA 18F Supplemental WQM Plan Funding Project Description	BCPC ARRA 18F Supplemental WQM Plan Funding Project Description	WDNR	2/25/2010	

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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. The report also includes a request for grant reimbursenment.	Peter Schleinz	12/15/2010	
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. The report also includes a request for grant reimbursenment.	Peter Schleinz	12/15/2010	
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	9/10/2010	
Sanborn Purchase Invoice	Invoice demonstrating purchase cost of CIR when acquired with purchase of high quality year 2010 air photographs.	Peter Schleinz	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: 9/30/2010

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

Total WSLH Lab Costs: \$0.00
Total Budget: \$0.00

Combined Budgets:
Combined WSLH: \$0.00
Combined Total: \$0.00

Funding						
Organization	Source	Type	Amount	Start Date	End Date	