

# Wisconsin Department of Natural Resources

## SWIMS Project Summary

### General Project Information

<b>Project ID:</b>	North_8_CMP22
<b>Name:</b>	AIS Follow Up and Compliance Work - Red Swamp Crayfish, Starry Stonewort, Harvesting Compliance and Contract
<b>Type:</b>	Competitive Projects
<b>Subtype:</b>	Watercraft Inspection & AIS Monitoring
<b>Status:</b>	COMPLETE
<b>Start Date:</b>	7/1/2016
<b>End Date:</b>	6/30/2017
<b>Purpose:</b>	<p>AIS work in the past five years has hampered the ability of the FTE (Heidi Bunk) and the LTE (Samm Posnanski) to complete core work such as long term trends monitoring, issuing APM permits and APM supervisions. The workload presented by AIS cannot be completed within normal working hours and has resulted in the FTE working extra hours on nights and weekends. Additional LTE assistance is needed for two projects: Follow up monitoring on Red Swamp Crayfish on Esquire Estates and inspections of contractor harvesting equipment (typically 24 to 30 in a 3 month period). These contractors travel from lake to lake, often visiting two lakes a week. The contractors are required to clean their equipment but do need to be inspected to make sure that all plants and animals have been removed from small spaces. Most inspections take place at boat launches or at the storage facilities owned by the contract harvesters.</p> <p>Starry Stonewort provided a large amount of unexpected workload in 2015. Tasks for this project need to continue in 2016.</p> <p>Mileage dollars are needed to support the summer LTE hired for this project, as well as the FTE and the existing LTE (Posnanski). Salary dollars are needed to hire the summer LTE.</p> <p>An AIS core work activity has not been able to take place in recent years, which is providing oversight and customer service to holders of NR 109 permits. The hiring of a second LTE will allow the FTE and existing LTE the time needed to provide better oversight and customer service on NR 109 permits.</p>
<b>Objective:</b>	<p>Red Swamp Crayfish: A very large scale eradication attempt was conducted in three waterbodies in Germantown WI, from 2009 through 2013 at a cost of approximately \$600,000 (staff time, construction, chemical treatments, design, materials, etc). The project was largely successful. Follow up monitoring in 2014 and 2015 yielded only 6 crayfish in all of 2014 and 2 crayfish in all of 2015. Long term success of the project is only ensured by catching any remaining crayfish. The LTE hired for this position will conduct the follow up monitoring in 2016.</p> <p>The LTE hired for this position will conduct the majority of the inspections of contractor harvesting equipment, freeing up the existing LTE (Posnanski) and the FTE to focus on core monitoring and AIS work.</p> <p>The FTE and existing LTE (Posnanski) will provide customer service and checkups on 4 harvesting operations (Phantom, Beulah, Lauderdale and one lake to be named). Phantom and Lauderdale actually requested the customer service; Beulah is a follow up on reported potential violations).</p>
<b>Comments:</b>	<p>Is this a New or Continuing project? 1 year or 2?</p> <p>The LTE support proposed in this project will be for mid May, 2016 through the end of August, 2016. This will span two fiscal years.</p> <p>The Red Swamp Crayfish is a continuing project. The dollars requested are for the summer LTE salary support and mileage.</p> <p>The inspections of contract harvesters is a continuing project but was never funded by a local needs project in the past. The dollars requested are for the summer LTE salary support and mileage.</p> <p>The Starry Stonewort project is also a continuation of last year, but was not funded by a local needs project. The only dollars requested are for mileage.</p> <p>The customer service and checkups on lake harvesting operations is a continuing project (suspended since 2010 due to AIS workload). It was never funded by a local needs project. The only dollars requested are for mileage.</p>

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**Outcome:** First Outcome: 30 traps will be placed in Esquire Estates, Germantown, and checked twice a week by the LTE hired for this project. The traps will be set the last week in May and removed immediately after Labor Day. Any fish, native crayfish, amphibians and RSC will be counted and tabulated in an excel spreadsheet. All RSC found will be examined by Heidi Bunk (and removed from Esquire Estates). The project deliverable will be the spreadsheet with the field data tabulated. The spreadsheet will be loaded into SWIMS.

Second Outcome: The LTE hired for this position will conduct the majority of inspections of contract harvester equipment. The project deliverable will be the set of inspections forms. One form will be filled out for each inspection. Three different contractors will be regularly inspected. The FTE and existing LTE (Posnanski) will conduct a few of the inspections.

Third Outcome: The FTE and existing LTE (Posnanski) will conduct harvesting inspections and follow up customer service to four harvesting programs. The project deliverable will be an inspection report for each of the four lakes. The only cost to be recovered by this local needs project for this task is mileage.

Fourth Outcome: The FTE and existing LTE (Posnanski) will provide customer service support for the Starry Stonewort project. A number of management activities are planned for 2016 and require attendance at planning meetings, public meetings, supervisions of chemical treatments, plant survey work, permit meetings and analysis of data collected. The only cost to be recovered by this local needs project for this task is mileage. The project deliverable will be a short report detailing the accomplishments for Starry Stonewort management on five area lakes.

**Study Design:** The 30 traps to be placed in Esquire Estates is a continuation of a previous study design.

Relevant budget codes include WYEJ for the harvesting customer service; WYEC for the RSC monitoring; WYRR for the Starry Stonewort and WYEA for the contract harvesting inspections.

**QA Measures:** Not relevant here.

Note that existing LTE (Posnanski) will be funded out of money already allocated to East District. This project seeks to hire a 20 hour a week LTE to assist with RSC monitoring and inspection of contractor harvesting equipment.

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Bunk, Heidi J	PROJECT_MANAGER	ACTIVE	5/16/2016	9/1/2017	Wisconsin DNR	
OLSON, DYLAN S	TEAM_MEMBER	ACTIVE	10/20/2016		Wisconsin DNR	
POSNANSKI, SAMUEL A	TEAM_MEMBER	ACTIVE	7/1/2016	6/30/2017	Wisconsin DNR	

Project Statuses			
Date	Reported By	Status	Comments
2/7/2016	Heidi Bunk	Proposed	
9/27/2016	Heidi Bunk	Complete	30 traps deployed in Esquire Estates were checked a total of 23 times between June and August 2016. No crayfish were found. 27 inspections of contract harvesting equipment were conducted, involving three contractors, before equipment was moved from lake to lake. 1 ride along inspection of harvesting operations was conducted by Bunk and Posnanski on Lower Phantom Lake. Workload due to starry stonewort and other new rapid response species prevented the completion of 3 other inspections. These inspections must occur between June and August each year, when lakes are conducting harvesting activities.

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Project Status Detail	
Answer Set: DEFAULT	
Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	30 for Esquire Estates
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	28 for Esquire Estates. 25 to 30 for contract harvesting equipment inspections.
3. Proposed Dates for Sample Collection	Once a week starting after Memorial Day and ending after Labor Day.
4. List applicable databases and who will enter data?	Excel spreadsheet will be entered into SWIMS by Heidi Bunk.
5. Did you receive competitive projects funding in the previous year?	Yes
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	I was not notified that I received the funding until the end of July 2015, so I was not able to use the funding. I did however, arrange for the work to be completed. However, as previously mentioned, the work was completed at the expense of core monitoring work and core APM work.
7. Reviewer Notes: Identify questions or issues with project (use during review period)	
8. Reviewer Decision: Is this project recommended for funding?	

Actions				
Action	Detailed Description	Start Date	End Date	Status
Control Invasive Species	Starry Stonewort Management Activities and customer service for 5 lakes known to have the invasive.	5/16/2016	10/27/2017	PROPOSED
Aquatic Invasive Species Removal	Removal of any RSC found in Esquire Estates; monitoring 30 traps twice a week.	5/16/2016	9/1/2017	COMPLETE
<b>Details: Parameter</b>				
Value/Amount		Units	Comments	
% reduction in area infested by invasive species				
Area infested by invasive species				
APM Mechanical Permit Request	Inspect contractor equipment 24 to 30 times in the project period	5/31/2016	9/1/2017	PROPOSED
<b>Details: Parameter</b>				
Value/Amount		Units	Comments	
Total Acres harvested				
Total pounds of plants harvested				
APM Mechanical Permit Request	Inspections and customer service follow up on 4 lake harvesting operations.	7/1/2016	9/1/2017	PROPOSED

Monitoring Stations		
Station ID	Name	Comments
10030815	Esquire Estates Pond	28 field work events for crayfish trapping.

Assessment Units			
WBIC	Segment	Local Name	Official Name
5572927	1	Local Water	Unnamed

Lab Account Codes
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Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
AIS_PRES_ABS_1002_MULTIPLE_LOC	Aquatic Invasives Surveillance Monitoring - Multiple Locations
CRAYFISH2010	Crayfish Report

Methods

Method Code	Method Description
AIS_BOATLANDING	Boat Landing AIS Monitoring Protocol 2011

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
6/6/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/10/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/13/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/17/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/20/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/24/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
6/27/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/1/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/5/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/9/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/11/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/16/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/18/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/25/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
7/29/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/1/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/5/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/8/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/12/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/15/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/19/2016 12:00	COMPLETE		10030815	Esquire Estates Pond
8/22/2016 12:00	COMPLETE		10030815	Esquire Estates Pond

Documents

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Title	Description	Author	Published	Comments
Harvesting Equipment Inspection Spreadsheet	List of 27 inspections of harvesting equipment conducted by Jack Simenson in the summer of 2016.	Jack Simenson	9/20/2016	
Monitoring August 12-15, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 15-19, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 19-22, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 2-5, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 22-26, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 5-8, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring August 8-12, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 1-5, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 11-16, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 16-18, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 18-25, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 25-29, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 29-August 2, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring July 5-9, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	

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Monitoring July 9-11, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 10-13, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 13-17, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 17-20, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 20-24, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 24-27, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 27-July 1, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Monitoring June 6-10, 2016	Red Swamp Crayfish monitoring in Esquire Estates Pond, Germantown, WI. Summer 2016	Dylan Olson	10/17/2016	
Red Swamp Crayfish Monitoring Spreadsheet Summer 2016	Results of 23 monitoring events, June through August 2016. Esquire Estates Pond.	Jack Simenson	9/20/2016	

### Budget

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**Budget Description:** LTE salary and shared mileage budget for FY 16 and FY 17      **Start Date:** 5/15/2016      **End Date:** 10/29/2016

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	125	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	280	Hours	\$13.00	\$3,640.00	
LTE FR	LTE Fringe				\$899.08	
LTE IND	LTE Indirect				\$733.97	
LTE TOT	LTE Total Cost				\$5,273.05	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1700	Miles	\$0.72	\$1,224.00	
MEAL	Meals	20	Meals	\$9.00	\$180.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,404.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$6,677.05	

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

**Total Budget:** \$6,677.05

**Combined Budgets:** \$6,677.05

**Combined WSLH:** \$0.00

**Combined Total:** \$6,677.05

Funding					
Organization	Source	Type	Amount	Start Date	End Date