

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** GLRI\_00E00452-0

**Name:** Enhancing WI's Fish Advisory Program: Emerging Chemicals, Angler Awareness, Exposure, Health Status, Outreach

**Type:** Great Lakes Restoration Initiative

**Subtype:** Toxics and Areas of Concern

**Status:** ACTIVE

**Start Date:** 10/01/2010

**End Date:** 12/31/2099

**Purpose:** This five year project includes all components needed to improve Wisconsin's fish consumption advisories: assessment of essential nutrients and contaminants in Great Lakes fish; consumer focus groups; serial evaluation of advisory awareness and fish consumption; contaminant body burdens and health status among elderly men who eat frequent meals of Great Lakes fish; and the development of interactive web pages and electronic media outreach tools. Fish and human tissues will be analyzed for selenium, omega-3 fatty acids, polychlorinated biphenyls (including PCB11), brominated flame retardants, perfluorinated organic acids, toxaphene, DDE, and toxic metals.

**Objective:** Objective 1: Improve our understanding of the human health risks and benefits of eating sport fish from the Great Lakes

Objective 2: Expand the monitoring of GL fish to include chemicals of emerging toxicological concern as well as nutritional elements.

Objective 3. Enhance Wisconsin's advisory programs to reflect Consortium and Wisconsin project findings to improve outreach

**Comments:** \$1,858,408

**Outcome:** This project will result in an improved advisory for Great Lakes sportfish that is based on current measurements of nutrients and a broad array of contaminants. Currently, there is an untested assumption that people who don't eat fish are deficient in these nutrients. Yet, a variety of other foods, such as nuts and legumes, can provide these nutrients if consumed in sufficient quantities. We need to understand whether it is appropriate to advise everyone, including vegetarians who typically have lower cardiovascular disease rates than omnivores, to eat more fish. In addition, this project will provide size and location-specific information about nutrient and contaminant concentrations in the edible portion of several species of Great Lakes sport fish. This information will be used to assess the need for a more comprehensive and balanced consumption advisory. A secondary outcome is a more informed consumer and reduced risk of exposure to bioaccumulative toxins found in fish from these lakes.

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Anderson, Henry	COORDINATOR	ACTIVE	10/12/2010		WI Dept of Health	
DINSMORE, DONALEA	COORDINATOR	ACTIVE	12/16/2011		Wisconsin DNR	
SCHRANK, CANDY S	COORDINATOR	ACTIVE	10/16/2010		Wisconsin DNR	Cooperative agreement with DHS

### Project Statuses

Date	Reported By	Status	Comments
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### Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	Q4 - 2011
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	Approved by EPA - waiting for approval of revised SOPs
5. Local services and/or products purchased this reporting period:	

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### Question

- 6. Number of jobs created this reporting period:
- 7. Work accomplished this reporting period:

### Answer

Completed and submitted draft article for the Natural Resource Magazine.

Started outlining an article for the Lake Tides Newsletter.

Brochures describing the fish consumption advice that apply to waters in Wisconsin's five Areas of Concern (AOCs) were completed and were posted on WDNR fish consumption and UW extension AOC websites (<http://fyi.uwex.edu/aocs/2011/09/06/new-fish-consumption-brochures-for-wisconsins-areas-of-concern/>) and were distributed to key DNR and UW Extension staff working with local committees involved with AOCs.

Draft copies of the advisories brochures for lakes with lake groups and special advice for mercury have been completed (38 total).

Some basic analyses were run on the WDNR fish consumption website, using Google Analytics, to determine better ways for outreach and to improve the website

Developed a fillable form using Adobe Acrobat to solicit healthy fish recipes from the public for an online cookbook.

Submitted an article to the Fox River Current that was published in the summer 2011 edition.

Completed prep and submitted to SLOH 15 fish samples for quantification of PBDES and PFCs, in addition to 50 fish samples for quantification of omega fatty acids and selenium (2010 collection year).

Completed and shared with DHS a list of AOC and fishing club organizations for outreach regarding consumption advice and online survey.

Provided content, review, and tested draft of online survey.

Completed SDF form and intake meeting for IT project and received approval to develop an intranet query page for fish consumption advice for specific waterbodies. Submitted a request for services to hire an IT contractor. The webpage will consist of a tabular query, maps of advisory waters, and ability to create a printout.

- 8. Work goals for coming reporting period:

Complete edits and graphics for article on fish consumption advice for Natural Resources Magazine.

An article on WI fish consumption advice pertaining primarily to lakes will be submitted to the UW Extensions Lake Tides™ newsletter editor. Mercury fliers will be distributed to select lake groups to determine the effectiveness of using the flier as an outreach tool.

Draft a report regarding the results and limitations of using Google Analytics to evaluate use of WI DNR's fish consumption advisory website. Create and design a webpage for a fish recipe contest including a method for recipe submittals. This quarter or the next, the contest will be advertised on the fisheries website, through GovDelivery, a press release, and will be mentioned in the Natural Resources Magazine as part of the WI fish consumption advisory story.

Investigate other organizations and groups to post the DNR fish consumption advisory website on their webpage.

Investigate interest of larger statewide fishing clubs in having a presentation on fish consumption advisories at club meetings.

Begin selection of fish samples from 2011 collections for GLRI funded analyses (100 samples for omega fatty acids and selenium and 25 for PBDEs and PFCs).

Hire IT contractor to develop web page to allow the public to query for the fish consumption advice that applies to specific waterbodies and begin elaboration and development.

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**Question**

**Answer**

1. Reporting Timeframe Month/Year to Month/Year (Oct-Mar or Apr-Sept):
2. Quality Documentation status (respond NA if not required):
3. Describe work performed during this reporting period relating to the activities from the grant workplan (Previous 6 months):
4. GLRI Action Plan metric(s) accomplished and numerical progress during this reporting period:
5. GLRI Action Plan metric(s) accomplished and numerical progress since project start (total complete to date):
6. Percentage (estimate) of project work completed during this reporting period:
7. Percentage (estimate) of project work completed since the project start (total complete to date):
8. Is project work on schedule? If no, please explain.
9. If a problem was encountered, describe the problem and action(s) taken to correct it.
10. What work is projected during the next reporting period? (Next 6 months):
11. Will the project take longer than the approved project period? If so, have you requested an extension in writing to the grant coordinator?
12. Amount expended this reporting period (can be approximate) If no amount expended, explain why.
13. Is project invoicing/expenditures up to date? If invoicing is more than 3 months overdue, explain why.
14. Were any significant changes (>10% of the total project amount) made to the project budget? If so, have you notified the grant coordinator in writing?

**Actions**

Action	Detailed Description	Start	End Date	Status
Monitor Fish Community	This five year project includes all components needed to improve Wisconsin's fish consumption advisories: assessment of essential nutrients and contaminants in Great Lakes fish; consumer focus groups; serial evaluation of advisory awareness and fish consumption; contaminant body burdens and health status among elderly men who eat frequent meals of Great Lakes fish; and the development of interactive web pages and electronic media outreach tools. Fish and human tissues will be analyzed for selenium, omega-3 fatty acids, polychlorinated biphenyls (including PCB11), brominated flame retardants, perflourinated organic acids, toxaphene, DDE, and toxic metals.	10/01/2010	12/31/2099	PROPOSED

**Monitoring Stations**

Station ID	Name	Comments
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**Assessment Units**

WBIC	Segment	Local Name	Official Name
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## Wisconsin Department of Natural Resources SWIMS Project Summary

### 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
EPA Semi-annual Progress Report	DHS Report to EPA	Pamela Imm	10/05/2011	Semi-annual with contributions from Candy Schrank
Enhancing WI's Fish Advisory Program: Emerging Chemicals, Angler Awareness, Exposure, Health Status, Outreach, GLRI proposal, Anderson Q4 Report - Enhancing WI's Fish Advisory Program: Emerging Chemicals, Angler Awareness, Exposure, Health Status, Outreach		Anderson, Henry	02/01/2011	
		unknown	04/01/2011	pdf

### Budget

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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