

Quarterly Report

Date: 25 October 2016

Project Title: *Bacterial Source Tracking at Impaired Beaches in the St. Louis River Area of Concern* (Abbreviated Title: *Bacterial Source Tracking Project*)

Grant Recipient: University of Wisconsin-Superior's (UWS) Lake Superior Research Institute (LSRI)

Report Prepared by: Heidi Saillard and Kelsey Prihoda

Time period covered for this report: 2016 – Q3 (July – September 2016)

Activities completed/work accomplished this quarter:

The project activities completed this quarter are outlined in the below table:

Date(s)	Description of Activities Completed/Work Accomplished
22 July 2016	Heidi, Kelsey, and Matt had a team meeting to discuss midseason progress and 2016 data to date.
22 August 2016	Kelsey sent justification for request of no cost extension, as well as, a revised Scope of Work and project timeline reflecting project goals given six-month extension. No-cost extension was granted by WDNR and project end date is now June 30, 2017.
1 July – 8 September 2016	Continued routine beach sampling, <i>E. coli</i> Analysis, and qPCR filtrations.
27 September 2016	Scheduled meeting to discuss 2016 <i>E.coli</i> Results and qPCR Analysis.
12 September 2016	Entered and reviewed 2016 data entered into Wisconsin Beaches and LSRI databases.
26 September 2016	Began summarizing 2016 <i>E. coli</i> data in preparation of Beach BUI Technical Team Meeting.

Budget:

The table below provides a summary of the project expenditures:

Spending Category	Year One Carry-Over	Year Two Budgeted	Year Two Expended - Q1+Q2+Q3	Project Balance (Year One Carry Over + Year Two Budgeted - Year Two Expended)
Salaries and Wages	43.74	22,486.00	18,360.39	4,169.35
Fringe Benefits	3,707.96	8,382.00	2,765.78	9,324.18
Indirect Costs	562.75	4,630.20	3,168.93	2,024.02
Equipment and Other Capital	0.00	0.00	0.00	0.00
Supplies	562.08	10,391.80	11,877.12	-923.24
Travel – Domestic (to sampling locations)	42.99	1,613.00	2,216.08	-560.09
Totals	4,919.52	47,503.00	38,388.30	14,034.22

*Note that expenditure calculations are estimates: transactions in progress, that are not reflected here, will be included in the next quarterly report.

Subcontracts or subgrants awarded this reporting period: None.

QAPP (project plan) Status: The QAPP with associated beach-specific sampling plans and project-specific standard operating procedures were finalized on 09 September 2015. The QAPP was revised based upon discussion during WDNR Bacterial Source Tracking team meeting and was sent to Matt Steiger and Donalea Dinsmore for review on 8 June 2016. Received written approval from Matt Steiger and Donalea Dinsmore to proceed with final signatures on 8 June 2016.

Local services and/or products purchased this reporting period: None.

Number of jobs created this reporting period: One University Staff Temporary Research Technician Position and two part time student positions.

Schedule:

Is the project on track for completion by end date? No cost extension granted for 6 months.

Grant End Date:

Grant Year One ended 31 December 2015. 16 February 2016 - LSRI received grant agreement extension for year two funds, which will end 31 December 2016. No cost extension request filed to extend project to 30 June 2017

Problems / Issues:

No problems or issues have occurred that will affect project deliverables or project completion.

Activities and work goals planned for next quarter:

The work goals planned for next quarter are outlined in the below table:

Target Date(s)	Activities and Work Goals Planned for 2016-Q4 (October -December 2016)
4-7 October 2016	Heidi, Matt and Simon attend 16 th Annual Great Lakes Beach Association Conference in Marquette, MI
26 October 2016	Bacterial Source Tracking Technical Team meeting to identify samples to send to UW-Milwaukee for qPCR analysis.
27 October – 4 November 2016	Summarize 2015 and 2016 <i>E. coli</i> concentrations by beach, include a map of the sampling locations within each beach, and send to the Technical Team for review. Summarize the 2016 quality control data and determine whether project measurement quality objectives were met, send data to Matt Steiger and Donalea Dinsmore for review.
7 – 18 November 2016 (TBD)	Second Technical Team meeting to identify samples to send to UW-Milwaukee for qPCR analysis.
14 - 25 November 2016 (TBD)	Shipment of nitrocellulose filters from samples prepared for qPCR analysis to University of Wisconsin-Milwaukee.
02 December 2016	Quality Assurance review of data.
31 December 2016	Completion of data archival including scanning of raw data sheets and cataloging of photos.
31 December 2016	Receive qPCR results for 2016 samples from UW-Milwaukee; begin analysis and summaries of 2015 and 2016 data.