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Collaborative Research: A Nanostructure Sensor for Measuring Dissolved Iron and Copper Concentrations in Coastal and Offshore Seawater

Mark Wells

Principal Investigator; University of Maine, Orono, mlwells@maine.edu

Carl Tripp

Co-Principal Investigator; University of Maine, Orono, ctrippp@maine.edu

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Preview of Award 0826098 - Final Project Report

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Cover

Federal Agency and Organization Element to Which Report is Submitted:	4900
Federal Grant or Other Identifying Number Assigned by Agency:	0826098
Project Title:	Collaborative Research: A Nanostructure Sensor for Measuring Dissolved Iron and Copper Concentrations in Coastal and Offshore Seawater
PD/PI Name:	Mark L Wells, Principal Investigator Carl P Tripp, Co-Principal Investigator
Recipient Organization:	University of Maine
Project/Grant Period:	10/01/2008 - 09/30/2014
Reporting Period:	10/01/2013 - 09/30/2014
Submitting Official (if other than PD\PI):	Mark L Wells Principal Investigator
Submission Date:	04/29/2015
Signature of Submitting Official (signature shall be submitted in accordance with agency specific instructions)	Mark L Wells

Accomplishments

* What are the major goals of the project?

See attached file

*** What was accomplished under these goals (you must provide information for at least one of the 4 categories below)?**

Major Activities: See attached file

Specific Objectives: See attached file

Significant Results: See attached file

Key outcomes or Other achievements: See attached file

*** What opportunities for training and professional development has the project provided?**

See attached file

*** How have the results been disseminated to communities of interest?**

See attached file

Supporting Files

Filename	Description	Uploaded By	Uploaded On
Final NSF Report.pdf	This file contains the final report with figures	Mark Wells	04/29/2015

Products

Books

Nothing to report.

Book Chapters

Nothing to report.

Conference Papers and Presentations

Nothing to report.

Inventions

Nothing to report.

Journals

Nothing to report.

Licenses

Nothing to report.

Other Products

Nothing to report.

Other Publications

Nothing to report.

Patents

Nothing to report.

Technologies or Techniques

Nothing to report.

Thesis/Dissertations

Nothing to report.

Websites

Nothing to report.

Participants/Organizations**What individuals have worked on the project?**

Name	Most Senior Project Role	Nearest Person Month Worked
Wells, Mark	PD/PI	1
Tripp, Carl	Co PD/PI	1

Full details of individuals who have worked on the project:**Mark L Wells**

Email: mlwells@maine.edu

Most Senior Project Role: PD/PI

Nearest Person Month Worked: 1

Contribution to the Project: Organization and Scientific strategy

Funding Support: This project and the University of Maine

International Collaboration: No

International Travel: No

Carl P Tripp

Email: ctrippp@maine.edu

Most Senior Project Role: Co PD/PI

Nearest Person Month Worked: 1

Contribution to the Project: Organization and Scientific strategy

Funding Support: This project and the University of Maine

International Collaboration: No

International Travel: No

What other organizations have been involved as partners?

Nothing to report.

What other collaborators or contacts have been involved?

Nothing to report

Impacts**What is the impact on the development of the principal discipline(s) of the project?**

See attached file

What is the impact on other disciplines?

See attached file

What is the impact on the development of human resources?

See attached file

What is the impact on physical resources that form infrastructure?

See attached file

What is the impact on institutional resources that form infrastructure?

See attached file

What is the impact on information resources that form infrastructure?

See attached file

What is the impact on technology transfer?

See attached file

What is the impact on society beyond science and technology?

See attached file

Changes/Problems

Changes in approach and reason for change

See attached file

Actual or Anticipated problems or delays and actions or plans to resolve them

See attached file

Changes that have a significant impact on expenditures

See attached file

Significant changes in use or care of human subjects

See attached file

Significant changes in use or care of vertebrate animals

See attached file

Significant changes in use or care of biohazards

See attached file