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## Sub-Product Summary

### Base Information

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**Sub-Product ID**

SSWR.4.3.1.3

**Sub-Product Title**

High resolution spatial and temporal dynamics of freshwater cyanobacteria HABs

**Primary Research Project**

Assessment and Management of Harmful Algal Blooms

**Sub-Product Lead**

Hollister, Jeffrey

**Primary Research Area Product**

SSWR.4.3.1 - Monitoring for improved HAB assessment and characterization

**Primary Research Area Product Relationship Type**

This Sub-Product contributes to the RA Product

**Sub-Product Description/Abstract**

Fine scale temporal and spatial dynamics of cyanobacteria are not well understood. This sub-product will:

- # develop monitoring protocols that use fixed buoys and an on-board flow through system (e.g a FLAMe - <https://flame.wisc.edu/>)
- # provide frequent (e.g. minutes to hours) and fine scale (e.g. meters) data on cyanobacteria, cyanobacteria indicators, and environmental drivers
- # provide a better understanding of what drives HABs at scales relevant to managers.

Primary partners are EPA Regions 1 and 7.

**Sub-Product Type**

Report

**Sub-Product Subtype**

Summary

**Planned Completion Date FY/Quarter**

FY22 Q4

**Updated Planned Completion Date FY/Quarter**

(none entered)

**Sub-Product Date Completed FY/Quarter**

(none entered)

**Sub-Product Status**

On Time

**Sub-Product Status Comment**

(none entered)

**Related Research**

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**Related Products**

Product ID	Product Title	Relationship	Product Type	Product Subtype	Product Start Date	Current Product Planned Delivery Date FY/Quarter
SSWR.4.3.1	Monitoring for improved HAB assessment and characterization	This Sub-Product contributes to the RA Product, Primary RA Product for Sub-Product	Presentations and Technical Summaries	Technical Fact Sheet	09/30/2019	FY22 Q4

**Planning Documents**

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**Is Exempted From Required QAPP**

No

**Related QAPPs**

No Related QAPPs

**Authors**

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No Technical Information Manager Selected

Name	Organization	Research Project Role	Sub-Product Role	Author Order	Percentage Contribution
Hollister, Jeffrey	ORD-CEMM-ACESD-MAB	Sub-Product Lead	Sub-Product Lead (Author)	1	100

**Responsibilities**

*List specific techniques for which this team member has responsibility.*

(none entered)

## **Additional Detail**

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### **Impact / Purpose Statement**

(none entered)

### **Records Schedule Selection**

(none entered)

### **Does this submission require an EPA Publication Number?**

(none entered)

### **Science Inventory Access**

(none entered)

### **Does your product include material copyrighted by someone else?**

(none entered)

### **Does this Sub-Product require Advance Notification?**

(none entered)

### **The type of external peer review process:**

(none entered)

### **Related Keywords**

(none entered)

## **Attachments**

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No Attachments

## **Datasets**

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## **Comments**

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No Comments