

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: GL00E01206_MKE1605_KKRiverHab

Name: Kinnickinnic River Habitat Rehabilitation Design

Type: Great Lakes Restoration Initiative

Subtype: Toxics and Areas of Concern

Status: ACTIVE

Start Date: 5/1/2017

End Date: 9/30/2018

Purpose: MMSD completed the KK River I-94 to Becher St. Feasibility Study that describes the characteristics and performance of several alternatives developed to improve the habitat and water conditions. Several meetings with stakeholder groups, notably the Milwaukee Estuary Area of Concern (AOC) committee, were conducted to obtain final alternatives. Habitat rehabilitation within the KK has been identified as a necessary fish and wildlife habitat restoration project in the Milwaukee Estuary AOC. The final alternatives include both habitat improvement and the additional hydraulic improvements required to offset any potential floodplain elevation increase. Under this scope of work MMSD proposes to design and implement habitat improvements that would address degraded aquatic habitat conditions in the upper portion of the Milwaukee Estuary AOC on the KK River. This is one of the few stretches of the KK River that has natural bed and native banks remaining. The KK River Flushing Station Improvements Feasibility Study determined this section of the KK River does not sustain a viable aquatic habitat due to low dissolved oxygen levels, lack of flow and limited diversity of channel morphology. In addition, there are contaminated sediments within this stream reach. The design and implementation will follow the KK River I-94 to Becher St. Feasibility Study, which was partially funded by a National Oceanic and Atmospheric Administration (NOAA) Great Lakes Restoration Initiative (GLRI) grant.

Objective: The goal of KK River Habitat Rehabilitation project is to provide design and implementation of the recommended alternative from the KK River I-94 to Becher Street Feasibility Study for habitat improvements from I-94 to Chase Avenue, evaluate the options for supplemental aeration upstream of W. Lincoln Avenue, and pilot test the preferred option.

Comments:

Outcome:

Study Design: The project scope includes:

- Develop and implement an invasive species removal plan along banks and the adjoining riparian areas and valley slopes;
- Investigate suitability and implement a sturgeon or greater redhorse spawning reef. The spawning reef consists of placement of stable, appropriately sized well-graded rock along the bank and bottom of the channel;
- Develop and implement a wood structures plan along banks for habitat. Wood structures are assumed to consist of anchored logs and root wads;
- Evaluate the options and conduct a pilot study for supplemental aeration system between W. Chase Ave and W. Lincoln Avenue to further address the severe oxygen deficit (hypoxia) that forms a barrier to transit of aquatic species through the reach. The proposed aeration system would be located near the vicinity of the MMSD flushing Station and be designed to supply 6 kg/hr of oxygen into the river during intermittent periods of low in-stream oxygen levels.

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
DOW, BRENNAN A	TEAM_MEMBER	ACTIVE	5/1/2017		Wisconsin DNR	
HRON, STACY L	PROJECT_MANAGER	ACTIVE	5/1/2017		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
6/30/2017	STACY HRON	Progress: 0-25% Complete	Consultant has been hired and scope is drafted.

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9/30/2017	STACY HRON	Progress: 0-25% Complete	The consultant completed a aeration study QAPP, completed field set up and pre-monitoring and ran one aeration test. Field work and planning also began for restoration design.
1/16/2018	BRIANNA KUPSKY	Progress: 0-25% Complete	Consultant completed and received approval on a Habitat Design QAPP, field work and assessments required for design implementation (wetland delineation, archaeological and cultural review, and environmental review) were completed this quarter. Consultant completed analysis of September 2017 aeration test and presented preliminary data to MMSD, DNR, and AOC Tech Team.
3/31/2018	STACY HRON	Progress: 25-50% Complete	Consultant continued to work on design and permitting for the habitat restoration project. The construction work was put out for bids.
6/30/2018	BRENNAN DOW	Progress: 50-75% Complete	Received construction permit from USACE and MARS updated QAPP for construction and additional storm sampling. Completed project implementation bid and award for project. Bird netting was installed near the habitat feature construction areas, and a pre-construction meeting was held.
9/30/2018	BRENNAN DOW	Complete	Construction and installation of all habitat features, such as rootwad installation, bank toe stabilization, and in-stream boulder placement was completed. Site closeout with re-seeding vegetation of impacted shoreline was completed and limited to a small area on top of the rootwad installation sections. Repairs caused by construction to the staging area was also completed. Invasive species removal in pre-identified sites was completed. Pilot aeration study was completed, and final report package was submitted. Monitoring of 3-year warranty for habitat installation features and re-growth of vegetation along impacted area will continue.

Project Status Detail

Wisconsin Department of Natural Resources

SWIMS Project Summary

Answer Set: Q3 2018

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	
5. Local services and/or products purchased this reporting period:	
6. Number of jobs created this reporting period:	
7. Work accomplished this reporting period:	
8. Work goals for coming reporting period:	
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?	

Wisconsin Department of Natural Resources SWIMS Project Summary

Answer Set: Q2 2018

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Wisconsin Department of Natural Resources SWIMS Project Summary

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SWIMS Project Summary

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Wisconsin Department of Natural Resources SWIMS Project Summary

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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		5/1/2017		IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

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WBIC	Segment	Local Name	Official Name
15100	1	Kinnickinnic River	Kinnickinnic River

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	Method 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
2017 Q2 Report & Invoice from MMSD				
2017 Q3 Report & Invoice from MMSD	2017 Q3 Report & Invoice from MMSD			
2017 Q4 Report & Invoice from MMSD				
MMSD - Kinnickinnic River Habitat Rehabilitation Design - Scope of Work	Final Scope of Work for the Kinnickinnic (KK) River Habitat Rehabilitation project coordinated by the Milwaukee Metropolitan Sewerage District (MMSD).		5/2/2017	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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