



Agenda

- –Objective
- -Approach
- –Deployment
- -Monitoring
- -Results
- -Path Forward





Objective

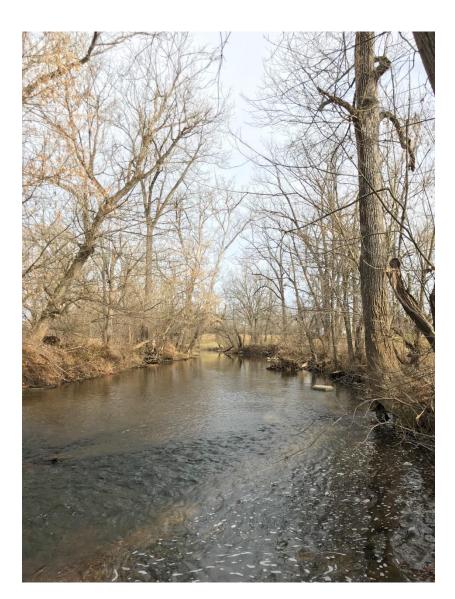
- Evaluate a potential supplemental remedial option
 - Effective
 - Minimally invasive
 - Scalable
- Assess beneficial reuse of amendment material





Approach

- BiocharNow
- Site selection
- Near-bank and mid-channel treatments
- Monitor Hg
 - Biochar
 - Biotic and abiotic media
- Assessment
 - Efficacy
 - Scalability





Deployment- April 2018

Baseline Monitoring







Deployment-April 2018

Treatment Device Deployment







Deployment- April 2018





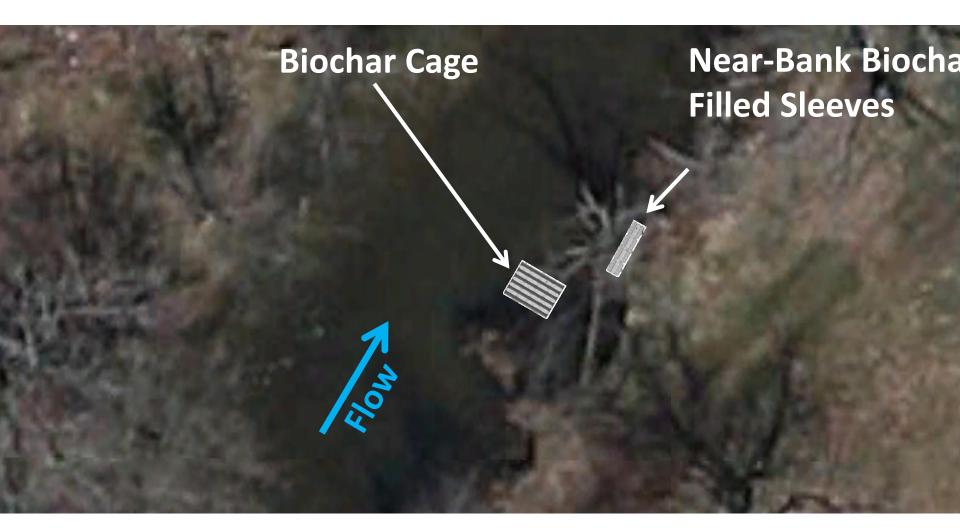


Deployment- April 2018





Deployment-April 2018



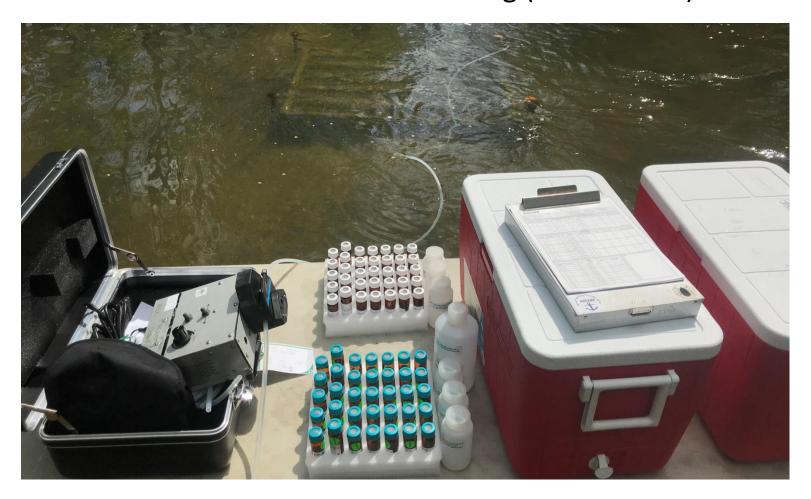








– 5-Week Post-Amendment Monitoring (SW and PW)





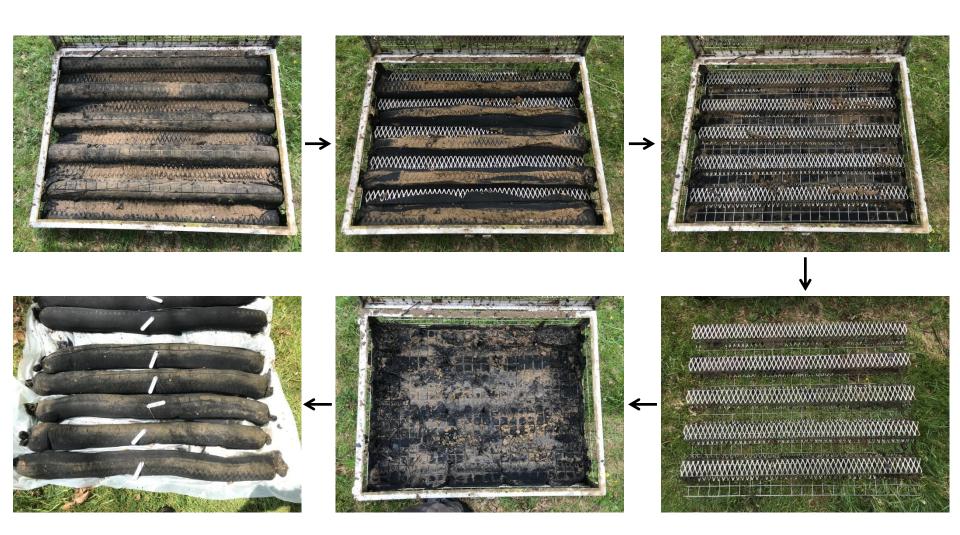
Treatment Device Recovery







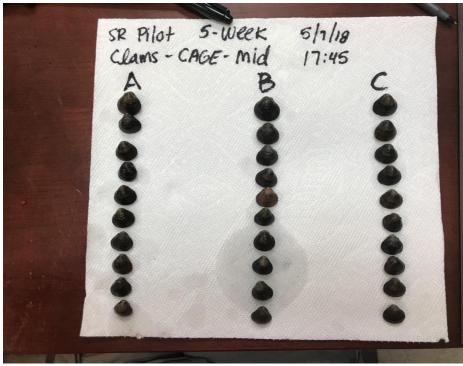






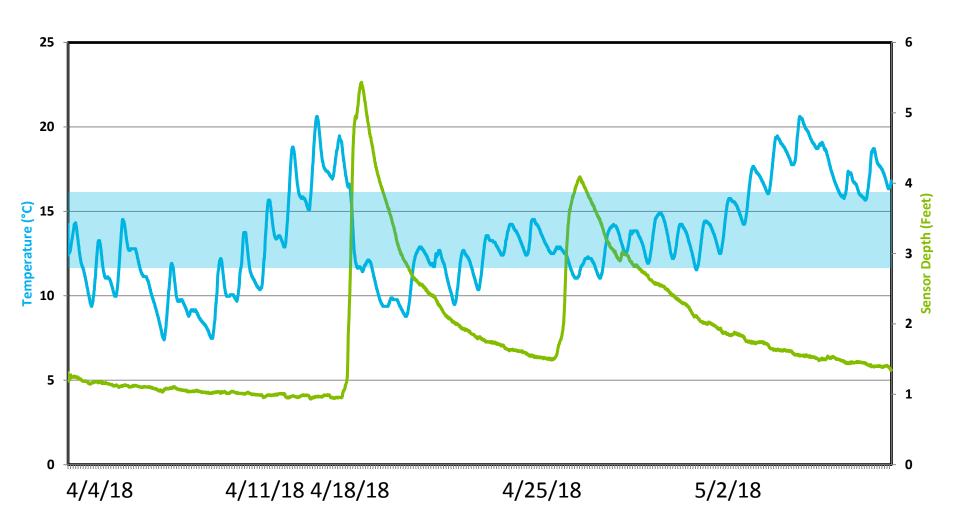
5-Week Post-Amendment Monitoring (Biochar and Clams)





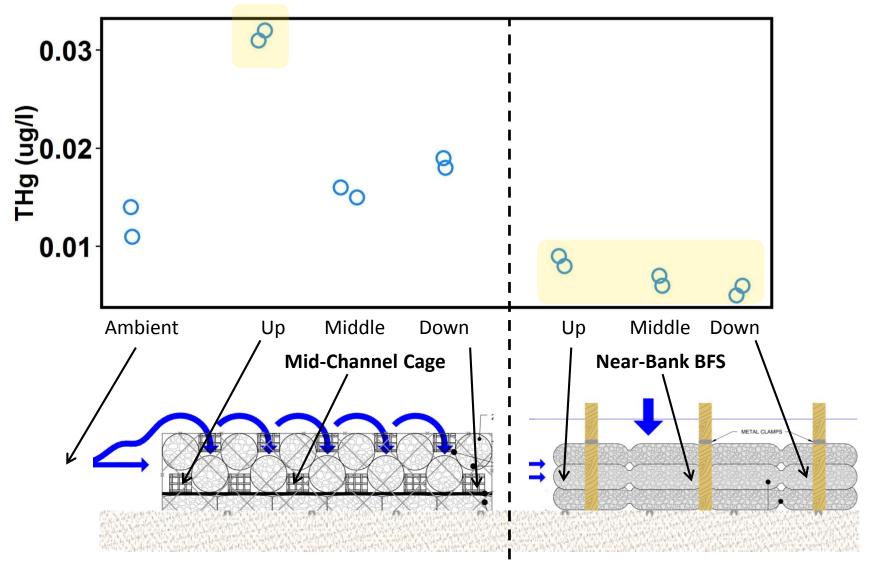


Results- River Conditions



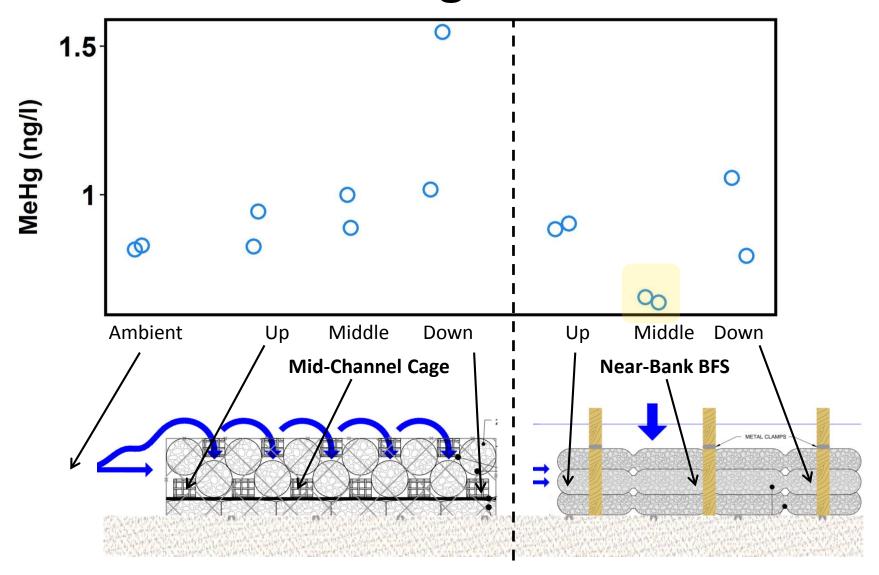


Results- SW- FTHg



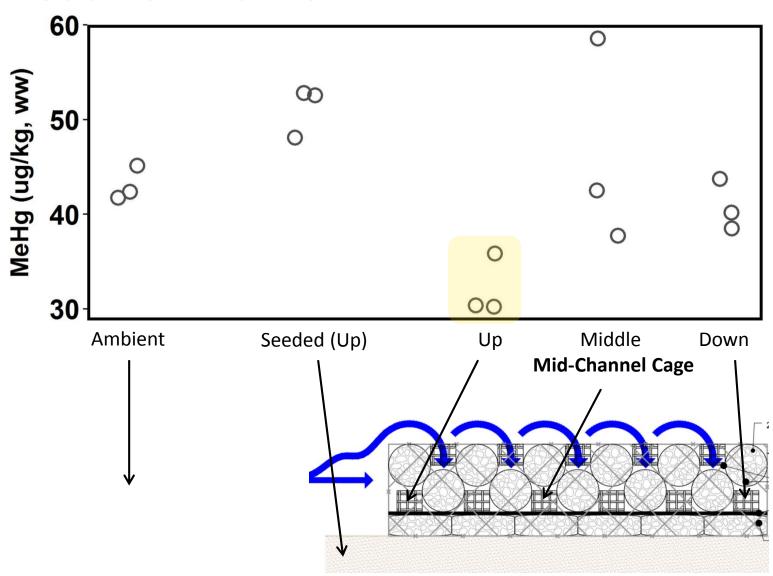


Results- SW- FMeHg





Results- Clams





Results-Biochar

- Biochar matrix interference; methods modification
- Preliminary results are anticipated in August





Path Forward

- Final evaluation- Pending biochar sample analyses
- Determine potential for beneficial reuse
- Report- 4Q2018



