

South River Pilot Study

Former DuPont Waynesboro Site, Virginia
Area of Concern (AOC) 4

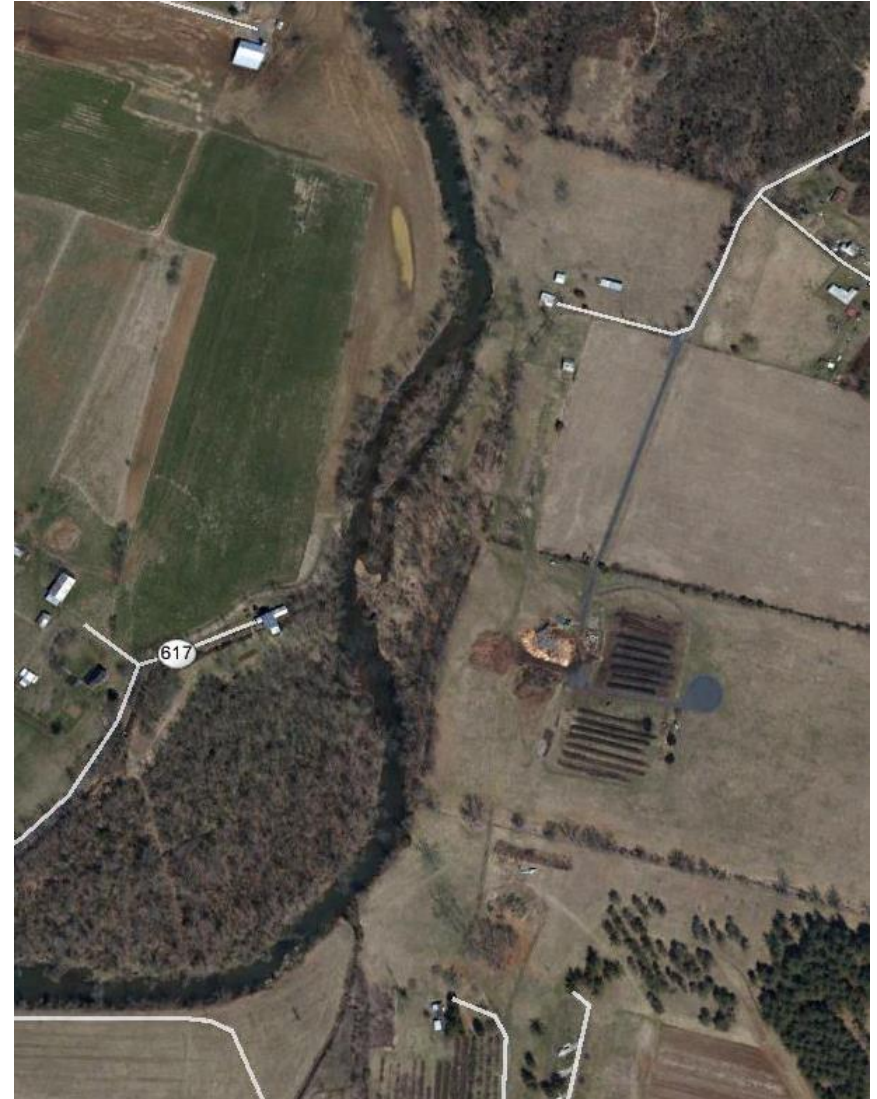


July 24, 2018

AECOM

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



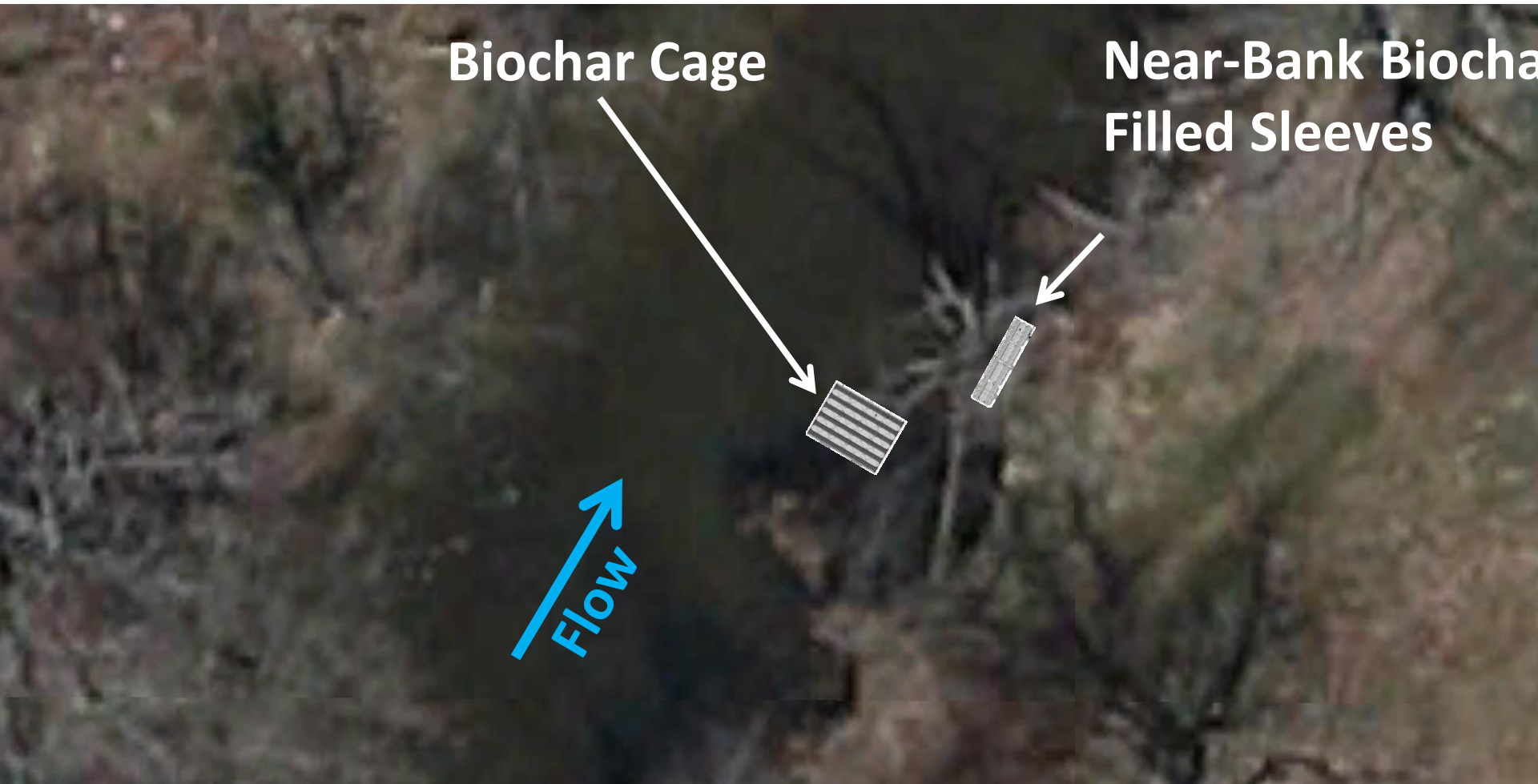
Deployment- April 2018



Deployment- April 2018



Deployment- April 2018



Monitoring- May 2018



Monitoring- May 2018

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

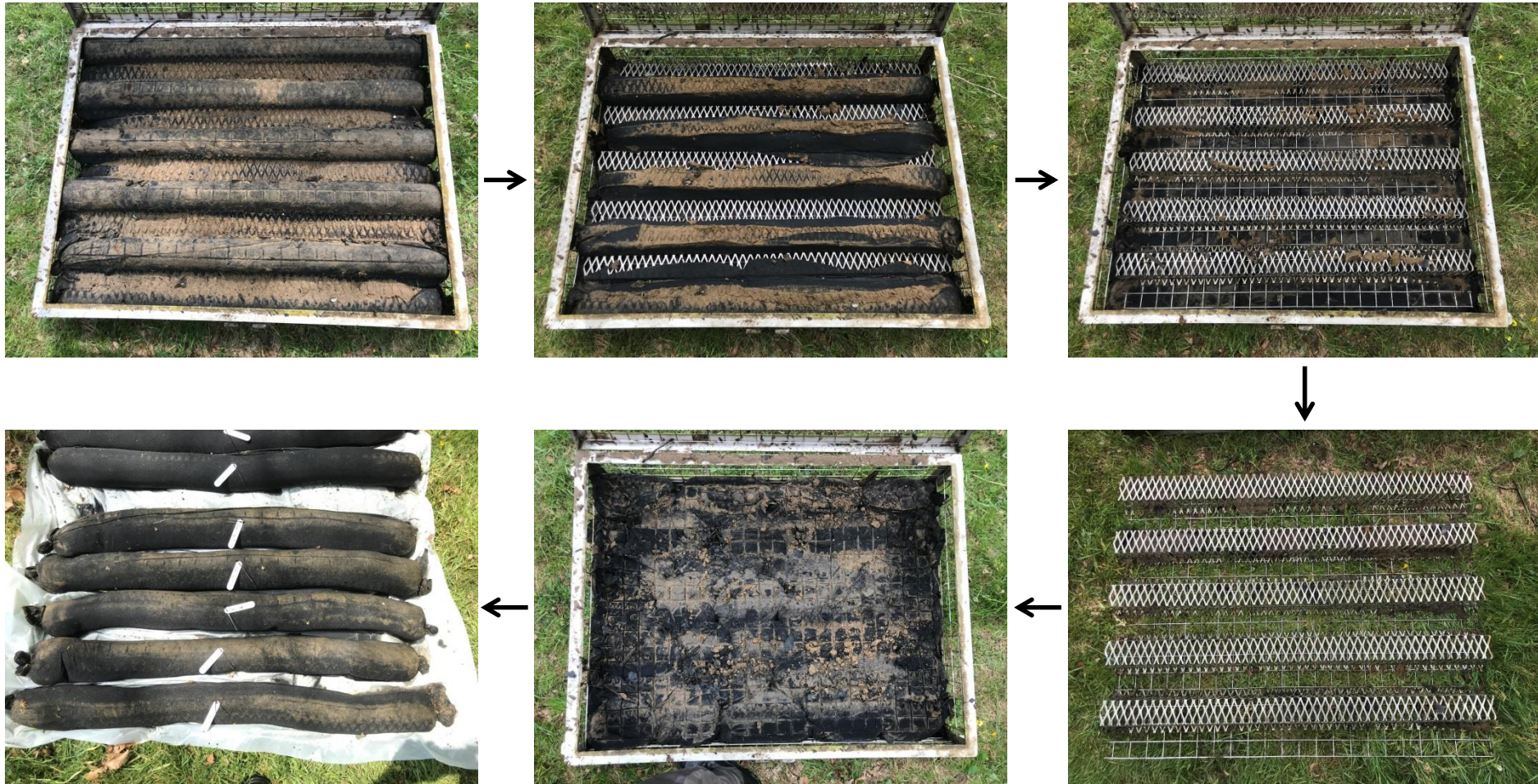


Monitoring- May 2018

– Treatment Device Recovery

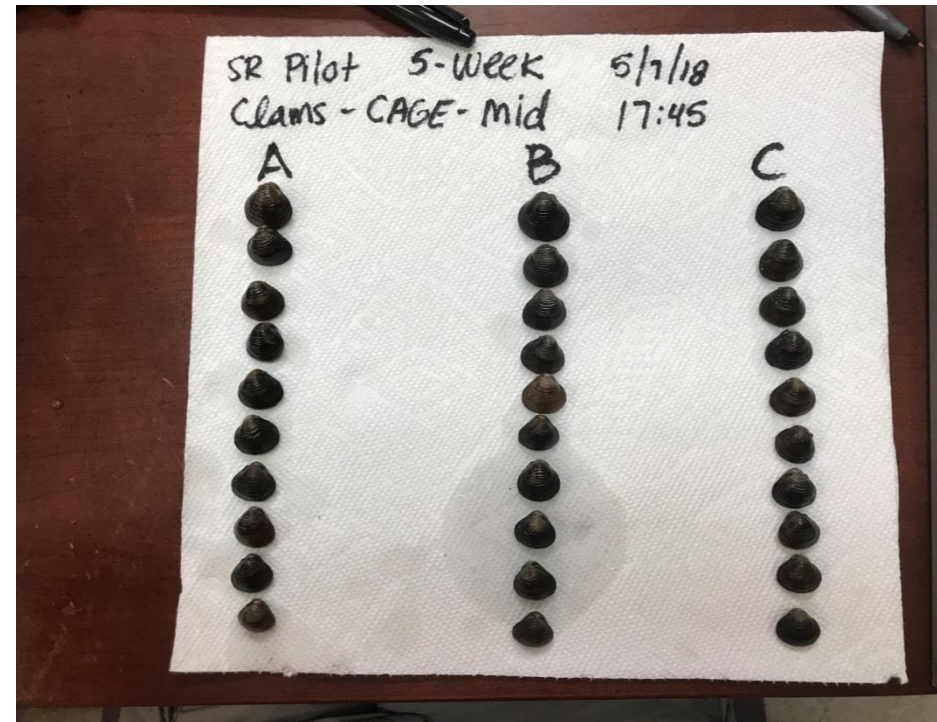


Monitoring- May 2018

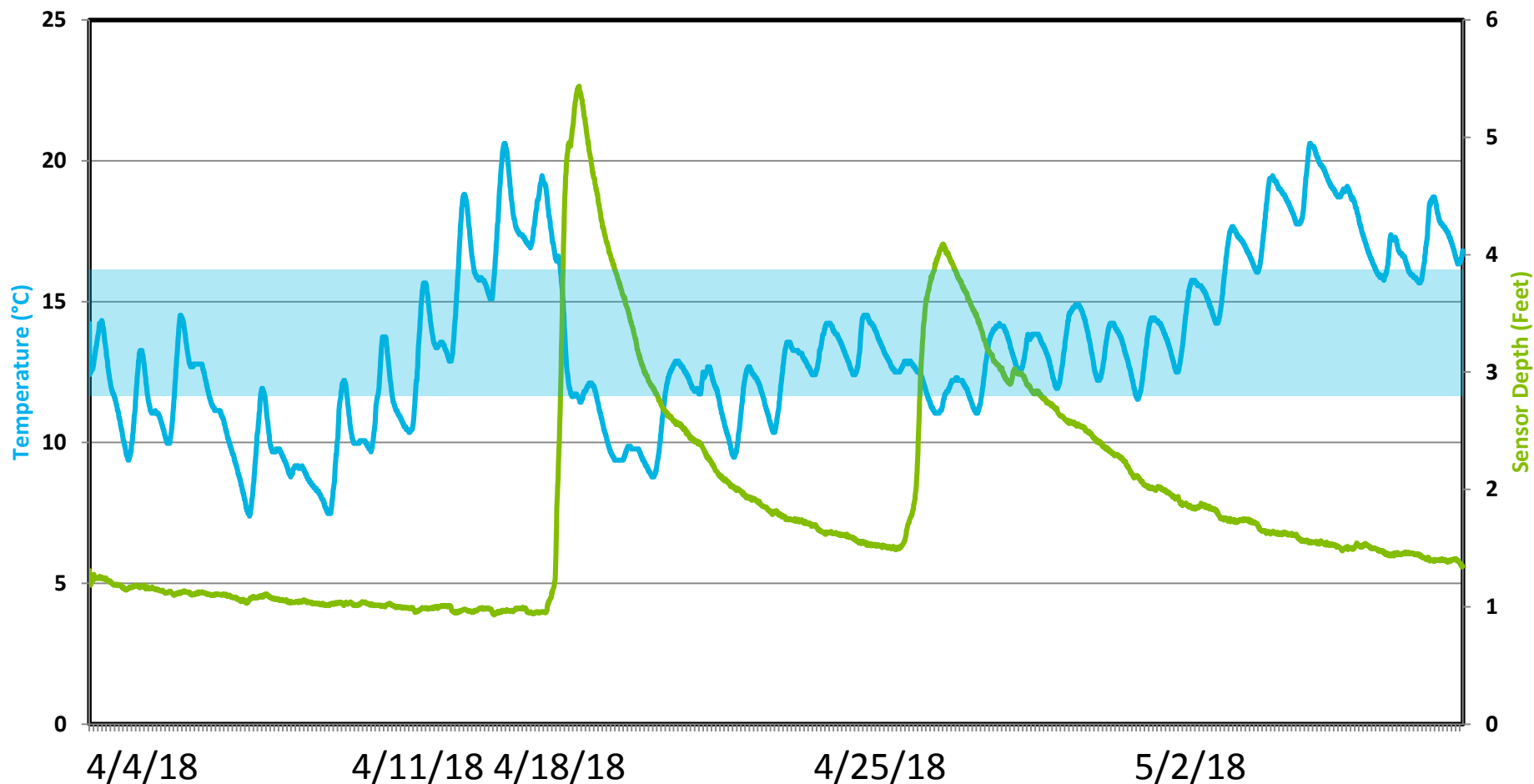


Monitoring- May 2018

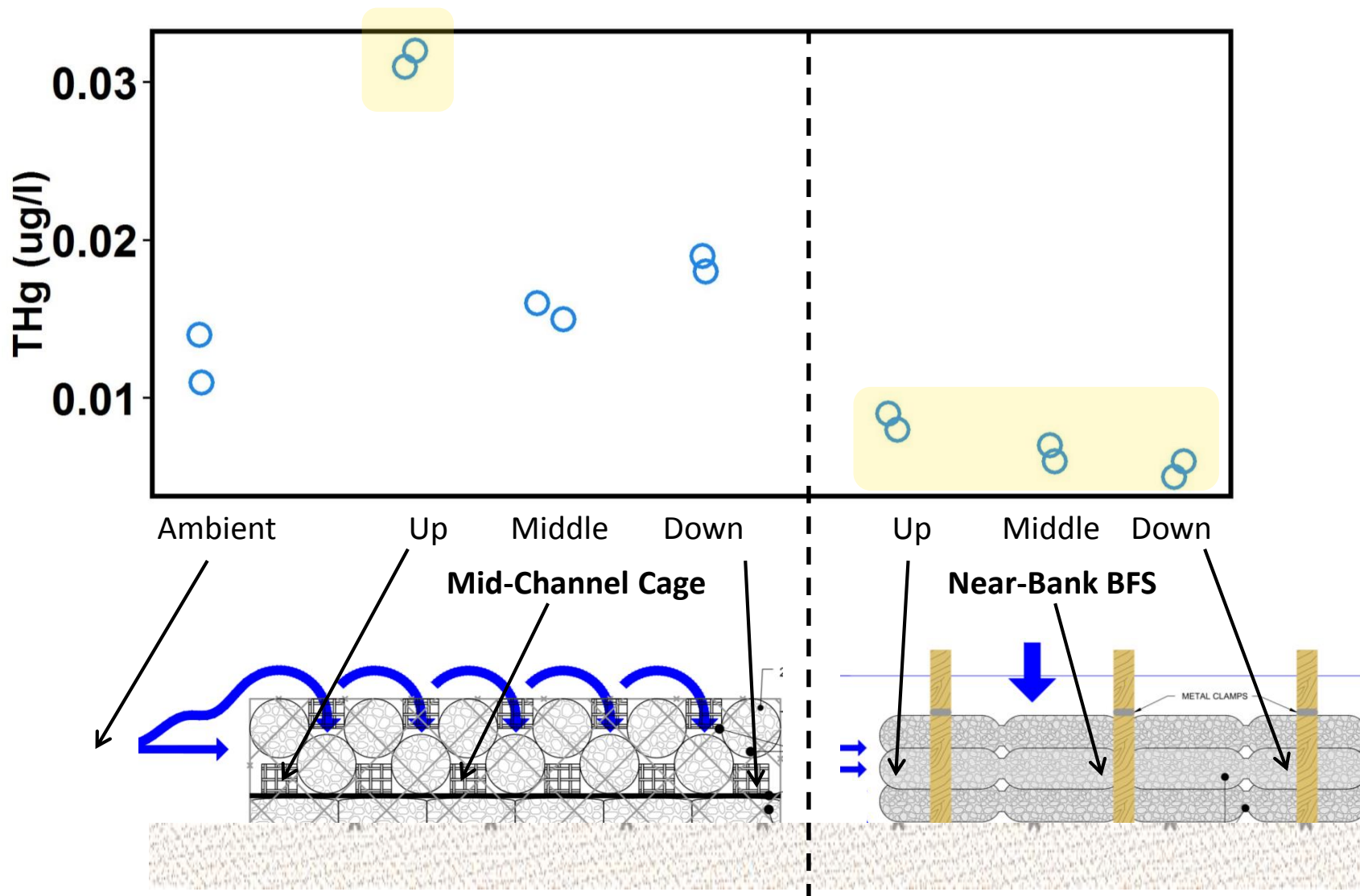
– 5-Week Post-Amendment Monitoring (Biochar and Clams)



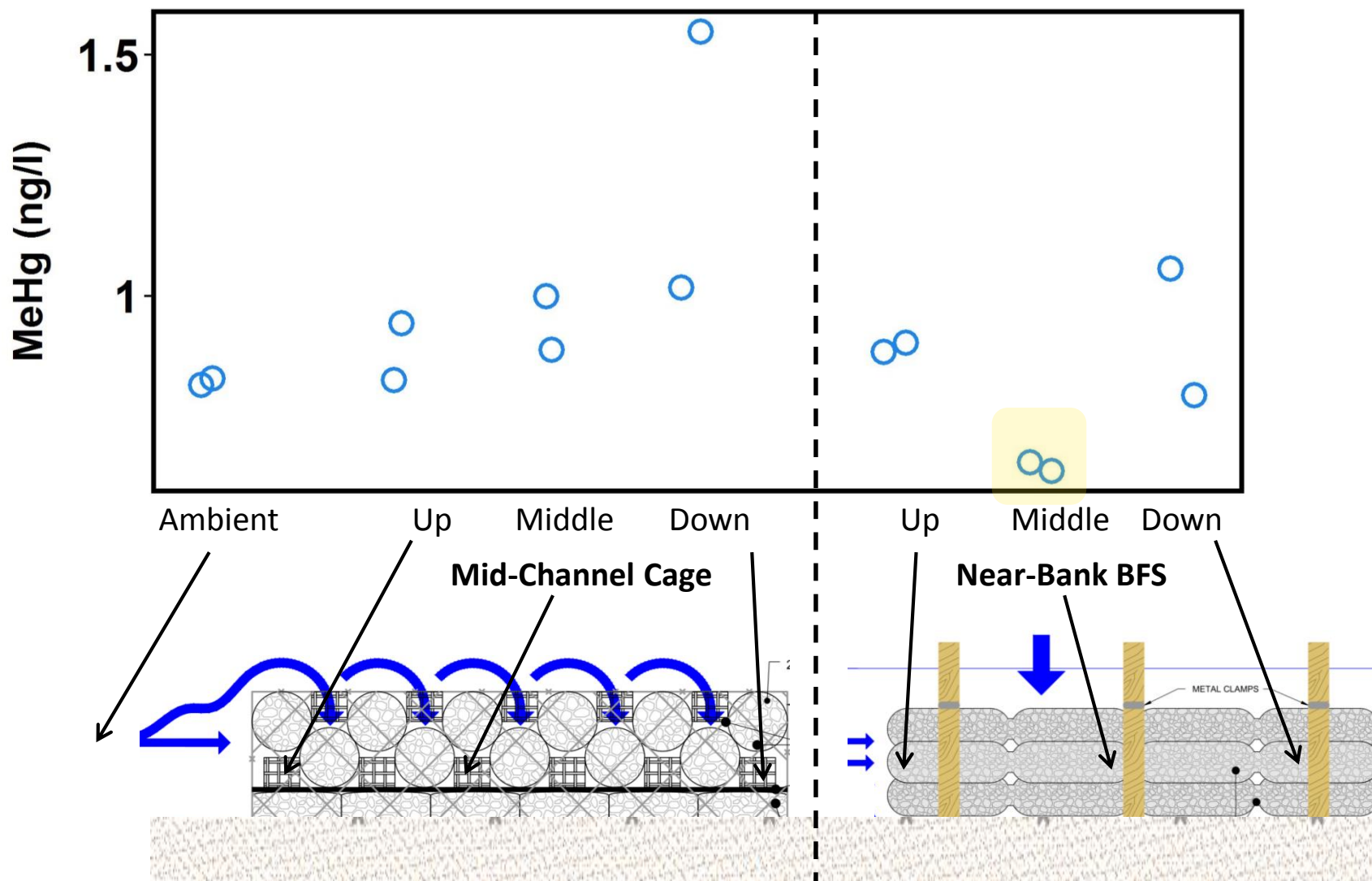
Results- River Conditions



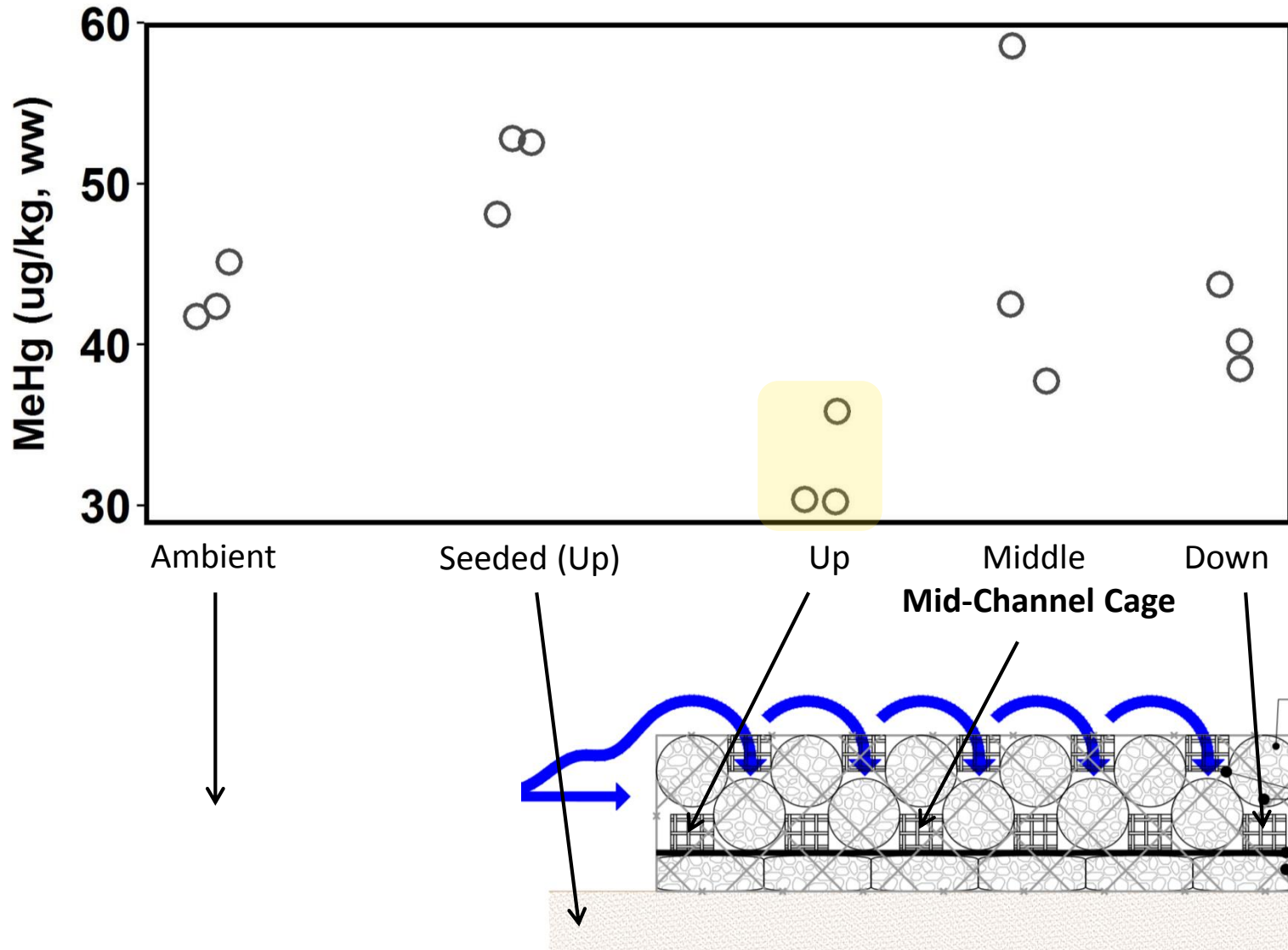
Results- SW- FTHg



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





Thank You

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