

UPPER MISSISSIPPI RIVER RESTORATION

HREP Team Meeting Monitoring Breakout Session

Monitoring Report Out Form Cover Sheet

Complete one cover sheet form per table.

Table Topic:	Mussels
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Table Participants	Role
1. Ann Runstrom	Facilitator
2. Karen Osterkamp	Scribe
3. Sara Schmevicker	Note-Taker
4. Steve Zigler	Reporter
5. Joe Jordan	
6.	
7.	
8.	

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HREP Team Meeting
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Monitoring Report Out Form

Complete one Report Out Form for each Discussion Question discussed at your table.

Table Topic: Mussels
Facilitator: Ann Runstrum
Discussion Question: # 9 What should we prioritize?
Findings: <ol style="list-style-type: none">1. Recruitment / Age structure2. Presence / Absence of species3. How long for community re-establishment4. Project / bed footprint persistence or migration5. Establishment of success criteria
Recommendations:

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Table Topic: Mussels
Facilitator: Ann Runstrom
Discussion Question: #12 What are things we should start doing
Findings: <ol style="list-style-type: none">1. Assess mussel relocation success / mortality from relocation efforts.2. Consider relocating moving relocated mussels back to project area after construction is completed3. Consider vitals, recruitment & mortality studies to obtain more rapid data than mussel bed establishment / species composition.4. Studies of stocking densities
Recommendations: <p>Use regularly measured hydraulic parameters to validate models.</p>

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Table Topic: Mussels
Facilitator: Ann Runstrom
Discussion Question: #5 What are some HREP monitoring activities we are not currently performing, but could /should be doing?
Findings: Monitoring activities that should be considered: 1. Substrate changes overtime - silt / sediment deposition, Scouring, etc. 2. Hydraulic & discharge parameter measurements 3. Habitat / substrate stability - direct or modeling
Recommendations: - Monitor at regular intervals & after any catastrophic event - Consider propagation / fish stocking of mussel habitat features -- experimental & costly - Develop robust success criteria w/ baseline (pre-project) & post-construction monitoring