

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:	Fisheries
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Table Participants	Role
1. Scott Gritters	Facilitator
2. Levi Solomon	Scribe
3. Jeff Janurin	Note-Taker
4. Dan Dieterman	Reporter
5. David Heath	
6. Kristen Bouska	
7. Keith Weaver	
8. Mark Jacobson	

- Monitor Species or habitat, or Community

- Have been monitoring physical & biological

How do we best monitoring

those sites

→ How do we do Both better.

Mark Jacobson

Heather Bisuska

Levi Solomon

Scott Griffiths

Jeff Janvin

Keith Weaver

Dan Bieterman

Dave Heath

* - LTRM Designed to detect ^{across} multiple year trends
where as projects are looking at yr to yr changes

- Pre project. = number of years - 3 yrs preproject
- "Aug" conditions

- Biological - CPUE, size structure,
controls - can be useful

3 - Fixed site sampling. working - could be better.

- Need prioritization

- Too many

- User driven - "Popular" might need more frequent

- social aspects

- Angler counts.

- Historic data

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

Table Topic: Fisheries
Facilitator: Levi Solomon, Scott Gritters Dan Dieterman
Discussion Question: #3
Findings: <ul style="list-style-type: none">- We are looking at abundance of Fish- how do we do this- try to standardize the best we can- need pre + post monitoring {we do this for many projects}- many methodologies of monitoring HREPs- should it be "user driven" →- should we prioritize?<ul style="list-style-type: none">↳ HREP sampling
Recommendations: <ul style="list-style-type: none">- get pre - post - abundance data- minimum of 3 years?- Fixed site sampling → working but could be better<ul style="list-style-type: none">- include random? can this be done at HREPs

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Table Topic: Fisheries
Facilitator: Levi Solomon Scott Gritters Dan Dieterman
Discussion Question: #5
Findings: <ul style="list-style-type: none">- creel surveys- angler surveys- social aspects / angler pressure- tagging → telemetry studies - let the fish tell us where they want to live- add metrics (CPUE etc.) to post monitoring plans to better guide biologists <p>anglers know where the fish are ↑</p>
Recommendations: <ul style="list-style-type: none">- see findings - all are things we feel we should be doing

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Table Topic: Fisheries
Facilitator: Levi Solomon, Scott Gritters, Dan Dieterman
Discussion Question: # 6
Findings: <ul style="list-style-type: none">- water levels easy to monitor - habitat easy to monitor- do we need to monitor species- YES → species + community- can we know if there is a reach wide effect- we look at trends- LTRM set up for long term
Recommendations: Do both!

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Table Topic:
Facilitator: Gritters Dieterman Solomon
Discussion Question: #7
Findings: <ul style="list-style-type: none">- many unknowns- how can we capture these<ul style="list-style-type: none">- can we utilize Glad students- can we do targeted, intense, research for a select few HREPs
Recommendations: <ul style="list-style-type: none">- sample surrounding habitats (channels)

Construction Tips for Scientists

- 1) Provide remedial action as a contract requirement (in specs) such as "accidental tree damage shall be replaced by x # of trees"
- 2) Include specifics if known such as "channel side bank elevation is critical, contractor shall not take actions that increase or decrease the bank height/characteristics"
- 3) Refine restrictions such as "no tree clearing from 15 April to 1 October"
change to "no tree felling from 15 April to 1 October, felled trees may be cleared from the site anytime"