

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:	Floodplain Forest
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Table Participants	Role
1. Ben Vandermyde	Facilitator
2. Charlene Carmack	Scribe
3. Kat Herzog	Note-Taker
4. Nate DeJager	Reporter
5. Nate Richards	
6. Kirk Hansen	
7.	
8.	

DISCUSSION QUESTIONS

1. What are some aspects of HREP monitoring that we are currently doing that lend themselves well to a study design, execution, and assessment?

Plot
— site underwater? How long was the soil like? — was the herbivory?

2. What are some HREP monitoring activities we are currently performing that help determine if a project is meeting the project objectives?

Plot based approach

3. What are some HREP monitoring activities we are currently performing that do not help determine if a project is meeting the project objectives?

?? Forestry is a POT

4. What are some HREP monitoring activities we are not currently performing, but could/should be doing?

transsect based, small plot surveys

5. Should we monitor the species or the habitat we create to attract the species?

6. What is the most important monitoring we should be doing, but are not?

Survival, gth, est. in Relation to ancillary variables

7. What monitoring should we stop doing?

Plot based design

8. What monitoring should we prioritize?

transsects - cite all measurement

9. What are things we do well?

Use done (Nate's Project)

10. What are things we don't do well?

all plots

11. What are things we should start doing?

****** house data in geo database?*

Question = Survival & gth in Relation to site conditions.

Foresters on POT

Note: Baseline Mortality Rates

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

Table Topic: Flood plain Forest
Facilitator: Ben Vandermyde
Discussion Question: #2 Whats not working well
Findings: Floodplain forest up until very recently has not been a primary feature of any HREP. Low priority monitoring plus low priority feature resulted in less consideration of monitoring and less consistency in execution. Early forestry monitoring efforts suffered from inconsistency and lack of attention. Emphasis on structure over function may also limit our ability to determine success in meeting project objectives. IL River projects do not have the same baseline inventory/management by foresters.
Recommendations: #7 Consider fire → escape from floods & herbivory — Saw that pt forward, succession should take place. (5-10 years) But need to monitor yr 1, 2, 3, etc.

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Table Topic: Floodplain Forest
Facilitator: Ben Vandermyde
Discussion Question: #1 What is working well
Findings: Foresters are now (post-2007) an essential part of the PDT Good baseline monitoring develops ^{from} an existing system of forest inventory that is pretty consistent between all three Districts (on the Miss.) Regularly updated (10 years). Same system used on all pro forest management areas, not just HREPs, so provides a good basis for systemic impact evaluation, comparison with other (non-HREP) restoration/management efforts
Recommendations:

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Table Topic: Floodplain Forest
Facilitator: Ben Vandermyde
Discussion Question: #12
Findings: HREP design handbook : vegetation monitoring handbook
Recommendations: revise forest metrics sample signs

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Table Topic: Floodplain Forest
Facilitator: Ben Vandernyde
Discussion Question: #9 What monitoring should we prioritize
Findings: <ul style="list-style-type: none">- Ways to measure growth and survival (systematically) in response to site-level variables- Ways to determine origin year- Ways to answer project-specific questions
Recommendations:

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Table Topic:
Facilitator:
Discussion Question:
Findings: Provide data to the next generation of foresters & River Managers on how bottomland forests develop & change over time. <hr/> #12 Not collaborating across EMP O&M etc...
Recommendations: #9 - Measure gth & survival in relation to site level variables - soil, invertebrates herbivory - early veg mgmt → come back later to understory - Need transects! & different protocol

The currently exists in veg mgmt kits