LOW-TECH PROCESS-BASED RESTORATION OF RIVERSCAPES

ARTUAL WORKSHOP Module 1 - Synthesis August 11, 2020





Workshop by:

UtahStateUniversity

RESTORATION CONSORTIUM



United States Agriculture

Department of

Sponsored by:





Hosting & Facilitation by:



Natural Resources Conservation Service

A Reminder... Where We've Been

Module 1: Introduction to Low-Tech Process-Based Restoration

Tuesday, Aug 11: 10:00 AM - 4:00 PM (Mountain Time)

- Logistics, learning objectives, and introductions
- Background and purpose



- Break ~ 11:00 to 11:15
 - Panel Discussion ~ 11:30 to 11:45



Introduction to low-tech tools



- Lunch ~ 12:35 to 13:35
- Guiding principles
 - Panel Discussion ~ 14:15 to 14:30





- Break ~ 14:30 to 14:45
- Partnering with Beaver & Beaver Ecology
 - Panel Discussion ~ 15:35 to 15:50



Wrap Up — Preview of Remaining Workshop Modules

B. Background & Why we're Here

Jeremy Maestas



Background & Purpose

Shared Vision:
Resilience



United States Department of Agriculture

Natural Resources Conservation Service







LTPBR WORKSHOP







Based Restoration



C. Scope of Problem

Joe Wheaton



Fluvial Geomorphologist Associate Professor of Riverscapes





~ 10:35 to 10:45

Next up: Missing Reference Condition













D. Missing Reference Condition – Stage Zero

Colin Thorne

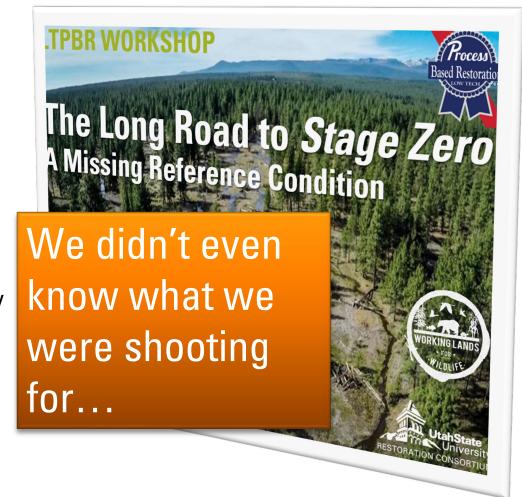


Fluvial Geomorphologist Professor of Physical Geography



UNITED KINGDOM · CHINA · MALAYSIA

~ 10:45 to 11:00 *Next up*: Break!













E. Reimagining what riverscapes could be

Mark Beardsley



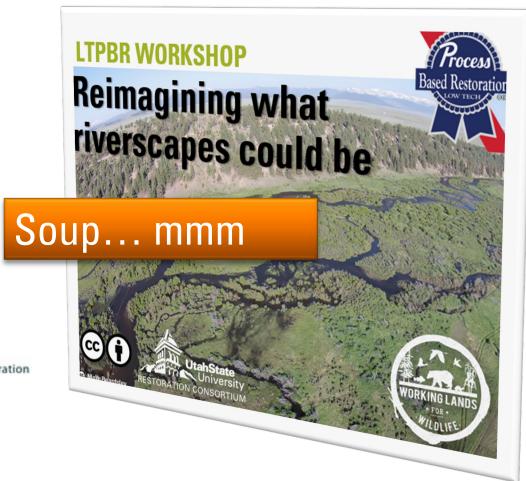
Ecologist



Stream and Riparian Monitoring, Assessment and Restoration

~ 11:15 to 11:30

Next up: Panel Discussion















F. What you came for: Parking Lot BDAs

Joe Wheaton



Fluvial Geomorphologist
Associate Professor of Riverscapes





~ 11:45 to 12:00

Next up: Broad Umbrella of Low-Tech













G. Broad Umbrella of Low-Tech

Jeremy Maestas



Ecologist

United States Department of Agriculture

Natural Resources Conservation Service



~ 12:00 to 12:10

Next up: PALS













H. PALS Steve Bennett



Ecologist Adjunct Professor







~ 12:10 to 12:20

Next up: Broad Umbrella of Low-Tech













I. BDAs

Scott Shahverdian



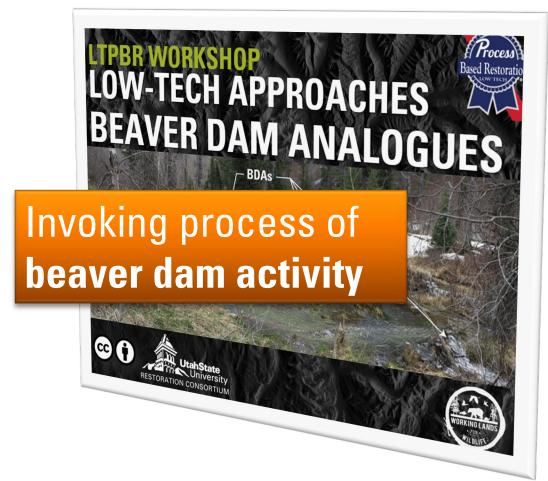
Fluvial Geomorphologist Designer





~ 12:20 to 12:30

Next up: Panel Questions















J. Guiding Principles

Joe Wheaton



Fluvial Geomorphologist Associate Professor of Riverscapes





~ 13:35 to 14:15 Next up: Panel Q&A













K. Beaver History & Biology

Ben Goldfarb

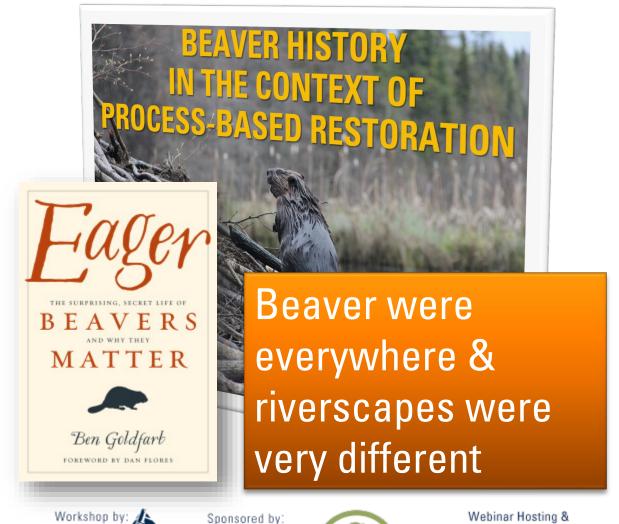


Environmental Journalist Award-Winning Author

WINNER of the 2019 PEN/E.O. Wilson Literary Science Writing Award.

~ 14:45 to 15:10

Next up: Beaver Ecology & Dam Building



WORKING LANDS

Facilitation by:

L. Beaver Ecology, Beaver Dam Activity

Nick Bouwes



LTPBR WORKSHOP BEAVER ECOLOGI

Adjunct Prof



Aquatic Eco To work with a rodent... you need to think like one





~ 15:10 to 15:30

Next up: Why partner with beavers?



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nenever possible to look like one. I've got to get inside this dude's pelt

M. Why Partner with Beavers?

Jeremy Maestas



Ecologist



Natural Resources Conservation Service



~ 15:30 to 15:35 Next up: Panel Discussion



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Course Structure - Pick and Choose



<u>Tuesday</u>, <u>Aug. 11</u> (10 AM – 4 PM MT)

Module 1: Introduction to Low-Tech Process-Based Restoration (3/4 day)

Wednesday, Aug. 12 (9 AM -4:30 PM MT)

- Module 2: Underlying Science & Case Studies for Low-Tech (morning, ½ day)
- Module 3: Planning Low-Tech Process-Based Restoration (afternoon, ½ day)

<u>Thursday</u>, <u>Aug. 13</u> (10 AM – 3:30 PM MT)

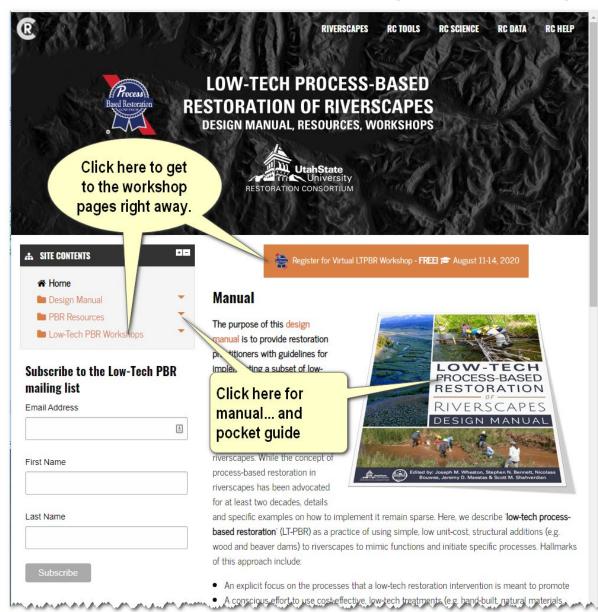
Module 4: Designing Low-Tech Process-Based Restoration (3/4 day)

Friday, Aug. 14 (9 AM - 12:30 PM MT)

Module 5: Implementing Low-Tech Process-Based Restoration (morning, ½ day)

LTPBR Website

http://lowtechpbr.restoration.usu.edu

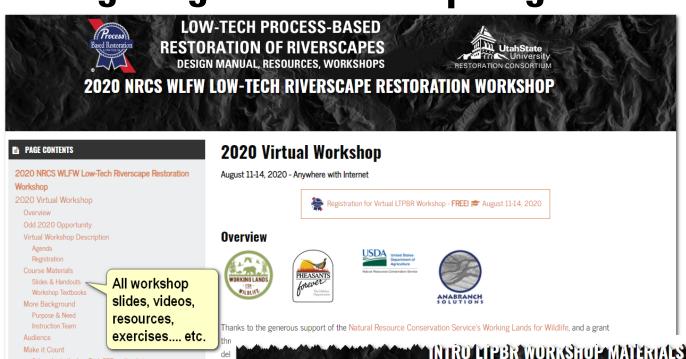


Find:

- Design Manual
- Pocket Guide
- Other Resources
- Workshop Slides
- Links/Videos/ Literature



Navigating the Workshop Pages



Resources:

- During workshop
- & Following workshop
- & to share <

LOW-TECH RIPARIAN RESTORATION

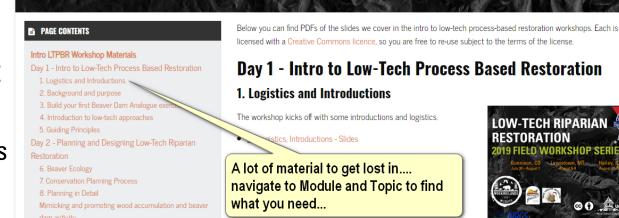
19 FIELD WORKSHOP SERII



We will post on slides and in chat windows:

Subscribe to the Low-Tech PBR mailing list

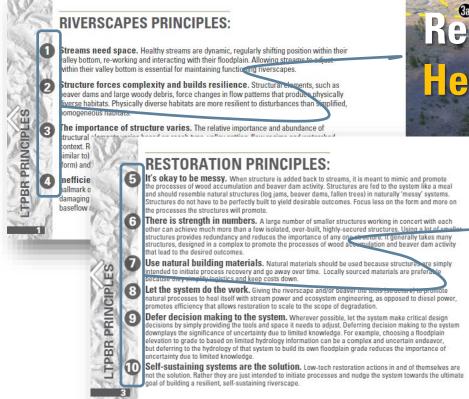
Links to resources we're *currently* using



2. Background and purpose $^{\prime\prime}$ $^{\prime\prime$

Really... Remember the Principles Restoration Based Restoration

Take some time to pause and focus on health, healing & hope



Recognizing what Healthy looks like



A whole day to say what we cover in 4 pages and a top 10 list...

Free Digitally @: http://lowtechpbr.restoration.usu.edu

A Lot of Amazing People re behind LTPBR:

An incomplete acknowledgement...



















BLUE FOREST







United States Department of Agriculture

Natural Resources Conservation Service













ASOTIN COUNTY

CONSERVATION DISTRICT































SWIFTWATER DESIGN

Logical



















A Lot of Amazing People are already behind LTPBR;

An incomplete acknowledgement.













Some of you already are those amazing people....

































