

Dam Removal Short Course

Part 1 – An Overview of Dam Removal

Citations and Additional Resources

From Kyle McKay:

- The following paper might be of interest for anyone working on watershed-scale prioritization of structures. The paper also articulates the different actors and motivations I mentioned.
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/rra.3684>
- The US Society on Dams has a great technical guide reviewing many of the alternatives Susan described. A wonderful desk reference on the topic! <https://www.usdams.org/wp-content/uploads/2016/05/15Decommissioning.pdf>
- A wonderful guidance document on sediment issues:
https://acwi.gov/sos/pubs/dam_removal_analysis_guidelines_for_sos_final_vote_2017_12_22_508.pdf
- A couple of stepwise documents:
 - American Rivers https://www.americanrivers.org/wp-content/uploads/2015/06/NatlDamProjectManagerGuide_06112015.pdf
 - Commonwealth of Massachusetts
<https://www.mass.gov/files/documents/2016/08/xb/eea-dam-removal-guidance.pdf>
- Check it out! <https://www.sciencebase.gov/drip/>
- There are quite a few really interesting analyses of social outcomes. A couple of my favorites:
 - (1) <https://www.sciencedirect.com/science/article/abs/pii/S0016718516300720>
 - (2) Chapter 3 in
<http://www.riversimulator.org/Resources/NGO/DamResearchFullReport.pdf>
- Here are some really great watershed-scale analyses focused on prioritization of structures relative to anthropogenic and natural barriers. My favorite is from the Great Lakes:
<https://www.pnas.org/content/112/19/6236.short>
- Some colleagues and I wrote a review of barrier prioritization approaches, if interested:
<https://onlinelibrary.wiley.com/doi/full/10.1002/rra.3021>
- The CMC paper is here. It's a great myth busting paper.
<https://onlinelibrary.wiley.com/doi/full/10.1111/1752-1688.12450>

From Susan Bailey:

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Reservoirs, 21st Annual USSD Lecture Series, Denver, CO, July 30 – August 3, 2001.

https://www.researchgate.net/publication/237713708_TECHNICAL_ISSUES_IN_SMALL_DAM_REMOVAL_ENGINEERING

- U.S. Society on Dams (USSD), 2015. Guidelines for Dam Decommissioning Projects. USSD Committee on Dam Decommissioning, available at <https://www.ussdams.org/resource-center/publications/white-papers/>
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https://acwi.gov/sos/pubs/dam_removal_analysis_guidelines_for_sos_final_vote_2017_12_22_508.pdf
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From Jeff Duda:

- American Rivers. (2019). American Rivers dam removal database. Database: figshare; Available from: <https://doi.org/10.6084/m9.figshare.5234068.v6>.
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