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American Society of Civil Engineers



ENVIRONMENTAL &
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2017 Karl R. Kennison Lecture Creating Resilient, Healthy Rivers: Dam Removal Projects in Massachusetts

*Beth Lambert, Aquatic Habitat Restoration Program Manager, MA
Division of Ecological Restoration*

Nick Nelson, Regional Director & Fluvial Geomorphologist, Inter-Fluve

Wednesday, May 17, 2017

CDM Smith Conference Room, 75 State Street, Suite 701, Boston, MA 02109

5:45 PM Social/Registration; 6:30 PM Dinner; 7:00 PM Presentation

Massachusetts has more than 300 dams, most of which were built in the 1800s to power mills. These aging dams have outlived their original purpose and are now deteriorating, threatening public safety and river health. Massachusetts, through regulatory efforts and community involvement has become one of the leading states in removing dams and restoring the health of the rivers in the state.

This session will cover a broad range of topics associated with dam removals to provide a better understanding of the history, costs and benefits, and design and construction details for the removal of dams. In the first half, Beth Lambert will discuss the evolution of dam removal in MA, the landscape of regulations and partnerships that make dam removal possible, and the primary technical and social challenges to dam removal. In the second half, Nick Nelson will cover some of the basics of the science, engineering, and construction that is involved in the projects. He will provide a review of fluvial geomorphic principals, summarize the data typically required to design the removal of a dam, and discuss some of the challenges with hydraulic modeling and sediment management and transport.

Registration Deadline: Friday, May 12, 2017

\$55 Members, \$70 Non-Members

\$45 Public Sector Members, \$55 Public Sector Non-Members

\$20 Senior Members (65+), \$20 Student Members

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/Kennison17. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 12, 2017 and no-shows will be billed.