

William J. Mullen, P.E.

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Hydraulic Engineer

Registered Professional Engineer with 40 years of experience. Specializing in flood modeling using HEC-RAS. Proficient in HEC-RAS, HEC-HMS, HEC-2, TR-20/55, HEC-SSP, and GIS software.

RECENT EXPERIENCE

- Set up a HEC-RAS 2-D unsteady-flow flood model for the tidally-influenced Little River in Newburyport, MA with flows determined using HEC-HMS rainfall-runoff modeling. The HEC-RAS model may be used to evaluate proposed flood damage reduction measures.
- Evaluated the hydraulic impacts of removal of the Wheelright Dam on the North Nashua River in Leominster, MA in pursuit of a Letter of Map Revision.
- Performed statistical analyses of streamflow records on the North Nashua River over various time periods in an examination of the current appropriateness of the “100-year” peak flow as published in FEMA’s Flood Insurance Study for the City of Fitchburg.

WORK HISTORY

River Hydraulics, Newburyport, MA (previously Lunenburg, MA), August 2011-present

U.S. Army Corps of Engineers, New England District, Concord/Waltham, Massachusetts, 1988-2011

- **Hydraulic Engineer**, Reservoir Control, Engineering Division, April 2010-July 2011
- **Project Manager**, Permitting and Enforcement Branch, Regulatory Division, Jan. 2005-Mar. 2010
- **Hydraulic Engineer**, Water Mgt. Section (H&H), Engineering Division, Nov. 2001-Dec. 2004
- **Project Manager**, Planning Division, January 1988-October 2001

EDUCATION

B.S. Civil Engineering, Worcester Polytechnic Institute, Worcester, Massachusetts, 1972-1976

LICENSES

Professional Engineer, Massachusetts, No. 34125, September 1988