

MATTHEW W. MUZZY, P.E.

EDUCATION

University of Maine - A.S. in Forestry, 1975
University of Maine - B.S. in Civil Engineering, 1980
Colorado State University - M.S. in Civil Engineering, 1983

PROFESSIONAL REGISTRATION

Professional Engineer – Maine, Colorado, Florida, Georgia, New Hampshire, New Jersey, North Carolina, Pennsylvania, South Carolina

EMPLOYMENT HISTORY

2008 to present – Sevee & Maher Engineers, Inc., Principal/Senior Geotechnical Engineer
2006 to 2008 – Bureau of Reclamation, Denver, Colorado, Senior Dams Engineer
2005 to 2006 – Entech Engineers Inc. Senior Geotechnical Engineer
1988 to 2005 – Sevee & Maher Engineers, Inc., Geotechnical/Environmental Engineer
1983 to 1988 – E.C. Jordan Co., Portland, Maine, Geotechnical/Environmental Engineer
1980 to 1982 – Bureau of Reclamation, Denver, Colorado, Embankment Dams Engineer

PROFESSIONAL EXPERIENCE

Mr. Muzzy has more than 40 years of design and construction experience in geotechnical, groundwater and geo-environmental projects. He has participated in many projects involving landfills, earthen embankments, dams, levees, and wastewater retention structures. Most of these projects have included significant regulatory interaction in which Mr. Muzzy was a key participant.

- Worked as team leader and senior geotechnical engineer for a FEMA certification of an 18,000-foot long flood control levee in Massachusetts.
- Provided field engineering services for construction of zoned earth fill dams in Colorado and California.
- Worked as principal designer for 26,000-foot long cement-bentonite slurry wall to control foundation seepage below an existing earth dam in Utah.
- Worked as team leader, senior geotechnical engineer, and risk evaluator for existing water storage dams in California, Wyoming, and Colorado.
- Conducted engineering for spillway and outlet works investigation for existing dam in northern Maine as senior engineer.
- Conducted engineering for head pond and riverbank stabilization evaluation for dam raising project in central Maine as senior engineer.
- Provided design engineering for 35-foot-high earthen dam to retain runoff and liquid wastes at a sludge landfill site.

- Worked as senior engineer responsible embankment/outlet works repairs for several dams owned by the National Park Service.
- Provided principal engineering services for runoff control project at a Maine industrial site; responsible for hydrologic evaluation, dam/outlet works design, managing wetlands permitting, and upgrade of a 12-acre wetland/impoundment for water quality improvement.
- Principal engineer for rehabilitation feasibility study for turn-of-century timber crib dam in northern Maine.
- Conducted annual inspections of four water supply dams and associated spillway/outlet structures in southern Maine.
- Conducted slope stability evaluation and repair of 70-foot high earth dam for retention of low strength waste in North Carolina.
- Provided geotechnical engineering for closure design and slope stability evaluation of multiple embankments for retention of wastewater storage at a coastal Maine industrial site.
- Conducted geotechnical repair design and operation guidance support for a Maine cranberry grower for slope stability of 15-foot deep, interim use, water supply channels.
- Conducted geotechnical evaluation for operational upgrades two water storage dams for a Maine blueberry grower.
- Prepared geotechnical design for pressure relief underdrains, erosion and energy dissipation control measures, and slope stabilization for a large membrane-lined runoff impoundment in Georgia.
- Worked as senior geotechnical engineer responsible for development and implementation of several soft waste stabilization programs in Maine, Pennsylvania, and Florida.
- Worked as team leader and senior geotechnical engineer for FEMA certification of a 4,200-foot long flood control levee in northern Maine.
- Conducted inspection of two privately owned water storage dams for ownership change in southern Maine as principal engineer.
- Prepared design of a 200-foot-long, 15-foot high replacement embankment dam, including filter design for outlet works conduit in central Pennsylvania as principal engineer.
- Performed analysis of embankment seepage data leading to selection of restricted operating level for a reservoir in Pennsylvania.

In addition to the projects above, Mr. Muzzy has been involved in many other engineering projects ranging from evaluation of slope stability and settlement of large waste deposits, design, and construction of new landfills and liner/leachate collection systems, and implementation of large-scale foundation investigations for industrial structures. Mr. Muzzy has also served as Team Leader and Project Manager for a number of multidiscipline engineering efforts. Many of these projects involved interaction with regulatory agencies and local officials. Mr. Muzzy has authored several technical papers, made numerous technical presentations, and served as an adjunct instructor from 1987 to 2004 at the University of Southern Maine for the Professional Engineers Exam Review Course.