

Comprehensive Sediment Management Services



AECOM's integrated approach — risk-based sediment assessment coupled with innovative design and engineering solutions — delivers sustainable and cost-effective results



Sediment management is becoming an increasingly important aspect of the site closure and environmental restoration process. Stakeholder and agency interest in sediment assessment and remediation is expected to substantially increase the number of sites requiring in-water management, remediation, or restoration.

In-water sites are becoming increasingly complex with the expectation that all sources of contamination (i.e., storm water) will be controlled and clean-up goals met by the time remediation is complete.

The AECOM sediment management team provides extensive project experience and technical capabilities for conducting complex programs on contaminated sediment sites. With our truly global footprint, broad technical expertise, and well-established Health and Safety program, AECOM is a single source for integrated sediment management services.

AECOM offers expertise in virtually all aspects of contaminated sediment and dredged material management. We apply our services on a wide variety of development, cleanup, and restoration projects, including some of the nation's most complex sediment management problems.

Our sediment and waterway restoration project teams are known for establishing strong long-term working relationships with a wide range of public and private sector clients. Our customers include industry and PRP groups, as well as state and federal governmental entities and port authorities.

Many of our projects involve helping to set strategies for site management and risk-based closure. We provide expert leadership in establishing sediment clean-up levels, cost forecasting, liability management, public relations, and ultimately helping our clients reach sustainable solutions on complex sediment sites.

Our service highlights include:

- All aspects of sediment sampling and analysis
- Ecological and human health risk assessment
- Extensive sediment remediation and waterways design and implementation experience
- Experienced RI/FS/RD/RA program management
- Exceptional multi-disciplinary technical capabilities
- Creative and effective PRP advocacy
- Keen understanding of regulatory and technical obstacles in sediment risk management
- Cost-effective contaminated sediment solutions

AECOM Services

Site Investigation

- Site characterization
- Conceptual site models
- Data management and visualization
- Sediment stability
- Contaminant fate and transport modeling

Risk Management Strategies

- Practical cleanup and end-point strategies
- Bioavailability and toxicity assessments
- Integrated restoration and reuse strategies
- Human health and ecological risk assessments
- Source control and watershed management
- Risk communication: community and stakeholder involvement

Remedial Design & Engineering

- Monitored natural recovery
- Activated Carbon and other ENR treatments
- *In situ* capping
- *In situ* treatment: biological, chemical, physical
- *Ex situ*: dredging, excavation
- Institutional controls
- Combined approaches

Dredged Material Management

- Chemical, toxicology, biological assessment
- Dredged material disposal monitoring
- Disposal area recovery monitoring
- Transportation and disposal

Ecosystem Services

- Freshwater and coastal wetland restoration
- SAV Restoration
- Fish passage and dam removal
- NRDA consulting

Project Implementation

- Project management
- Construction management
- Cost control
- Health and safety management
- Long-term monitoring
- Water treatment and management

Safety is a core value at AECOM. We have completed hundreds of thousands of hours of sediment field work without incident.



About AECOM

AECOM (NYSE: ACM) is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy, and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of \$13.1 billion in fiscal year 2022.

See how we are delivering sustainable legacies for generations to come at [aecom.com](https://www.aecom.com) and [@AECOM](https://www.aecom.com).