

Services and Capabilities

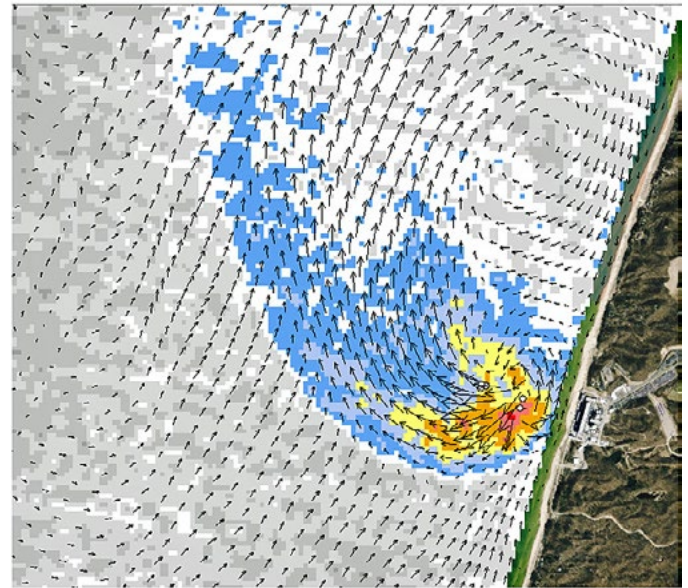
We offer our clients the latest water science and engineering in numerous specific disciplines within the broader areas of watershed and waterway management, contaminated site and sediment evaluation and restoration, water stewardship and sustainability, permitting and regulatory assistance, ecosystem studies, programmatic support, and applied research.

Water Resource Management

- Watershed Planning and Management
- Water Quality Modeling
- Hydrology and Hydraulic Engineering
- Fisheries Investigations
- Ecological Engineering
- Hydraulic Transient Analysis
- Computational Fluid Dynamics
- TMDL Development and Review
- Stormwater Management
- Ecological Assessment and Restoration
- Green Infrastructure
- Observing Systems and Data Management
- Urban Waterfront Redevelopment
- Drinking Water Supply and Protection



Our clients trust our ingenuity, expertise, objectivity, and passion for sustainable clean water.



We help our clients solve unique water resource problems by applying the appropriate mix of technical skills and tools to develop custom solutions that meet their needs.

Contaminated Site and Sediment Remediation

- Contaminated Upland Site Evaluation and Remediation
- Contaminated Sediment Site Evaluation and Remediation
- Contaminant Fate and Transport Modeling
- Surface Water and Groundwater Contamination Studies
- Contaminant TMDL Development
- Risk Assessment
- Contaminant Fingerprinting and Forensics
- Cost Allocation Support

Water Sustainability Planning

- Water Stewardship
- Green Infrastructure and Low-Impact Development Planning and Design
- Sustainable Agriculture
- Climate Change Adaptation
- Water Use Planning and Allocation
- Industrial Water Footprinting
- Water Availability and Resource Risk Management for Energy Providers



Permitting and Regulatory Assistance

- Clean Water Act Compliance
- Permitting - Application, Renewal, Negotiation, and Compliance
- Water Quality Standards Review and Revision
- TMDL Development and Review
- Stormwater Management
- Collection System Monitoring and Modeling
- Wet Weather, CSO, SSO Management
- Mixing Zone and Outfall Siting Studies
- Cooling Water Intake Compliance [(316(b))]
- Thermal Discharge Compliance [316(a)]

Ecosystem Assessment and Restoration

- Ecosystem Modeling
- Hydrogeological Site Characterization
- Aquatic Ecosystems: Assessment, Management, and Restoration
- Assessment of Natural Resources Damages
- Environmental Impact Assessments

Science in the Field

- Sampling/Monitoring Work Plans
- Sampling Station Design and Installation
- Field Monitoring, Sampling, Data Collection
- Contractor Training, Coordination
- Analytical Laboratory Assessment, Selection, Coordination
- Marine Observing System Design and Implementation
- Data Management and Communication
- Fish Impingement and Entrainment Sampling [(316(b))]
- Thermal Plume Verification Studies [316(a)]



Applied Research

- Mathematical Model Research and Development
- Aquatic Ecosystem Research
- Aquatic Invasive Species Research
- Ecosystem Services Research
- Eutrophication, Hypoxia and Nutrient Management
- Remote Sensing
- Water Sustainability Technologies
- Sediment and Contaminant Fate and Transport
- Contaminant Fingerprinting and Forensics

Other Support Services

- Data & Information Management
- Computer Graphics Applications & Simulations
- Monitoring Program Design and Implementation
- Field Investigations