

Water Resources Services

Capabilities

- Hydrodynamic and Water Quality Modeling
- Hydraulic and Floodplain Modeling
- Watershed Assessment/Stormwater Management and Planning
- Total Maximum Daily Load (TMDL) Development and Advocacy
- Stormwater Planning and Management
- Basin Management Action Planning
- Stakeholder Outreach and Participation
- Point and Nonpoint Source Pollutant Load Reductions
- Mixing Zone Studies
- Integrated Water Resources Management Plans
- National Pollutant Loading Discharge Elimination System and Environmental Resource Permitting
- Potable and Irrigation Water Supply
- Data Collection and Field Services

From sensitive headwaters to coastal estuaries, ATM provides focused and tailored data collection, assessment, modeling, management planning, alternatives analysis and regulatory guidance. We recognize that regulatory requirements and technical tools alone cannot always generate the desired outcome. Consequently, ATM regularly partners with state agencies, municipalities, private entities, and the public to jointly develop management programs for water bodies and their associated watersheds.

Accurate data and interpretation are key for making sound environmental decisions, whether a user is applying for a permit or a regulator is imposing lower limits for effluent sources. ATM's team designs and implements water sampling and monitoring plans to provide comprehensive and up-to-date environmental data. ATM professionals regularly employ such data in sophisticated computer models that allow for the most accurate representation of flow dynamics, point- and nonpoint-source impacts, and other parameters and effects influencing water bodies.

ATM's technical staff understands the TMDL development process. They have demonstrated expertise in numeric and narrative standards, hydrology and hydraulics, and pollutant transport and source control, as well as the legal, social, and implementation aspects of the TMDL program. Applying innovative ideas and the latest technologies, ATM provides solutions for attaining and maintaining water quality and designated uses for water bodies.

