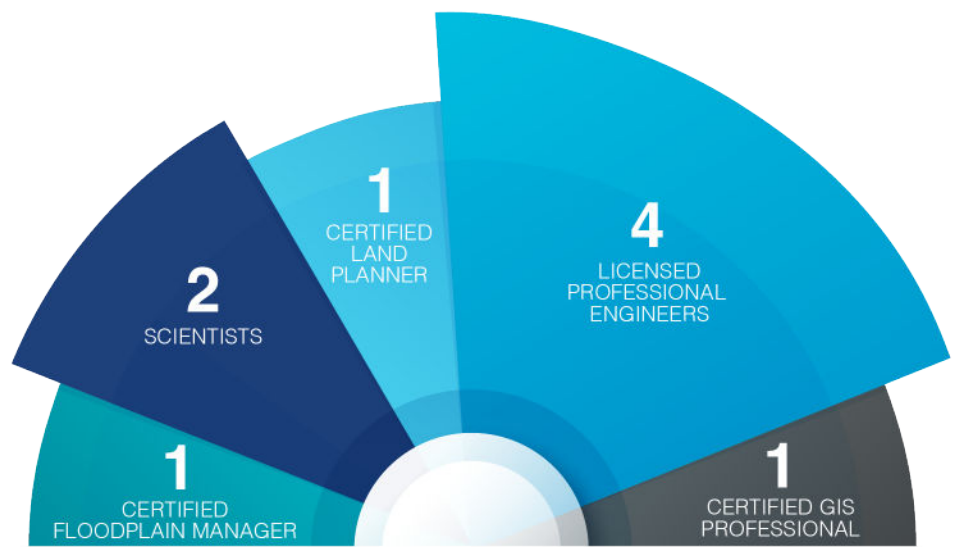


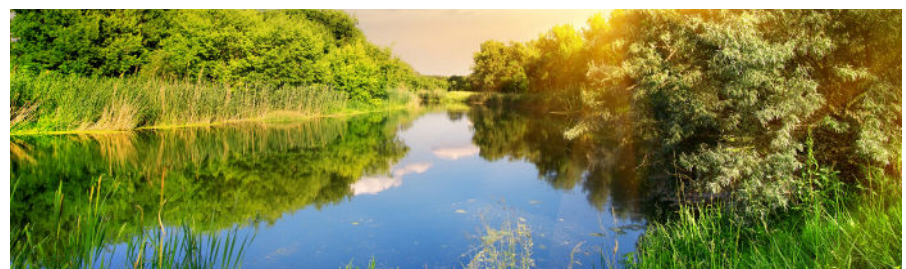
SPECIALIZED WATER RESOURCES SERVICES

Since 1990, ATM water resources professionals have served as the prime consultant on more than 400 projects and have provided services on hundreds of additional projects through our waterfront and coastal practice areas. Project locations include the U.S., Mexico, Caribbean, South America, United Arab Emirates, and Middle East.



12 YEARS
AVERAGE TENURE OF EACH EMPLOYEE WITH ATM

22 YEARS
AVERAGE PROFESSIONAL EXPERIENCE OF EACH EMPLOYEE



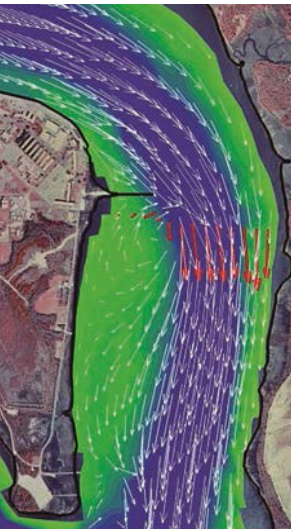
EXPERIENCE



WATER RESOURCES SERVICES

Our technical diversity allows us to provide effective studies and solutions for any water-related environmental or developmental issue, including TMDLs, TMDL implementation plans, and NPDES MS4 permit support. We provide customized data collection, monitoring, assessments, computer modeling, alternatives analyses, pollutant management planning and design, nutrient reduction plans, and regulatory guidance.

- Total Maximum Daily Loads (TMDLs) Implementation and Waterbody Restoration Planning
- National Pollutant Discharge Elimination System (NPDES) MS4 Compliance
- Water Quality Assessments
- Watershed Assessment, Modeling and Monitoring
- Nutrient Reduction Planning
- Stormwater Master Planning
- Best Management Practices
- Vulnerability Assessments
- Hydrologic and Hydrodynamic Modeling
- Flushing Studies
- Minimum Flows and Levels
- Field Data Collection and Monitoring
- GIS
- Peer Review
- Expert Witness Services



Specialists in Hydrologic & Hydrodynamic Modeling

Watershed

- BASINS/HSPF
- SWMM5
- ICPR-3 and -4
- HEC-HMS
- HECRAS-GEORAS
- MIKESHE
- WAM
- WMM
- HSPF

Water Quality/Receiving Water

- EFDC
- WASP
- ECOMSED
- ADCIRC
- WASP7/8
- CORMIX
- Bathtub
- MIKE Suite
- Visual PLUMES

Groundwater

- MODFLOW
- MODRET
- PEST
- Groundwater Vistas

Specialized Modeling Services

- Surface Water (watershed and receiving water)
- Groundwater
- Estuarine
- Sediment Transport
- Pollutant Transport
- Pollutant Loading
- Water Quality
- Reservoir and Lake Simulations
- Thermal Discharges
- Basin Circulation and Flushing



SPECIALIZED SUPPORT – FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)

ATM developed and continues to execute a detailed statewide plan for FDOT to assist with meeting the challenges of complying with increasingly rigorous water quality standards and stormwater discharge requirements.

ATM has provided comprehensive statewide TMDL implementation planning, water quality and NPDES support services to FDOT since 2009.

- Developed a Statewide Stormwater Management Plan that outlines requirements to meet the components of permit requirements.
- Supported the development of Illicit Discharge Detection and Elimination (IDDE) and Spill Prevention and Response training videos FDOT uses to train staff and contractors.
- Developing a GIS-based database for stormwater assets (SAMS) to promote statewide consistency in management of stormwater facilities and provide real-time tablet-based data entry.
- Developing uniform standards of stormwater asset maintenance for use by FDOT staff and contractors.

EXPERIENCE



TMDL IMPLEMENTATION AND WATERBODY RESTORATION PLANNING

ATM has represented stakeholders in approximately 550 adopted or draft TMDLs, 33 water quality plans and 4 restoration plans in Florida. ATM has long-term water resources continuing services contracts in Florida with the Florida Department of Transportation and 14 local governments.

ATM provides representation and advocacy throughout all phases of TMDL development and implementation. Tasks include:

- Review of supporting data for proposed water quality impairments
- Technical review and critique of models and other methodologies used by federal and state agencies to develop TMDLs
- Advocacy and oversight throughout TMDL development and implementation
- Analyses of fiscal impacts of TMDL load reductions

ATM submits detailed comments to agencies on proposed waterbody impairment listings and TMDLs.



WATERSHED MANAGEMENT

On the broadest of scales, we develop comprehensive stormwater master plans and watershed management plans, as well as facilitate stormwater utility development based on specific, unique qualities of each community. For sitespecific applications, we develop comprehensive facility inventories, GISbased applications, hydrodynamic and hydraulic flow modeling, stormwater facilities and systems design, and best management practices.

Successful watershed management balances water quality and quantity needs with use, attainability and sustainability.

We develop effective solutions for the most complex surface water issues by providing the following services:

- Accurate Data Collection and Analysis
- Watershed Characterization and Assessment
- Land Use Evaluation
- Stormwater Management
- Non-Point Source Assessment and Management
- Floodplain Management
- Groundwater/Surface Water Interaction
- Pre-/Post-Development Loading Assessments



DATA COLLECTION AND MONITORING

ATM develops monitoring programs and completes data gathering efforts to supply model calibration and validation data. This includes storm event and ambient water quality sampling, flow and current measurement, and water level and tidal cycle measurement.

Effective data collection and appropriate response to the data through monitoring and analysis, are essential for project success.

ATM has extensive experience with the deployment of water quality sondes, acoustic Doppler current profiler (ADCP) and acoustic Doppler velocity meter (ADVM) devices, stage recorders, and conductivity, temperature, and pressure (depth) (CTD) sensors. These installations can include “real time” monitoring to track the data at the office daily to ensure the integrity of the data and to react and repair problems quickly, thereby minimizing data loss.

About Us

Founded in 1984, ATM is a design, engineering and consulting firm providing coastal, waterfront and water resources engineering services to clients worldwide.

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