



## HELPING YOU TEST THE WATERS BY MODELING THE WATERS

We create and apply state-of-the-science numerical models and decision-support systems to develop optimal solutions for our clients.

## MODELING & OPTIMIZATION

RESPEC understands the complex and dynamic relationships between water, energy, and food. Our scientists and engineers work with clients to better understand and systematically analyze the interactions between the natural environment and human activities, and to work toward a more coordinated management and use of natural resources across sectors and scales.

RESPEC has performed environmental modeling studies, ranging in size from small to large—a few square miles to the 64,000-square-mile Chesapeake Bay Watershed. Our scientists and engineers are interdisciplinary experts in floodplain mapping and in modeling hydrology, hydraulics, groundwater, water quality, watershed, geological, and inundation.

Globally recognized as an authority on environmental modeling and decision-support systems, RESPEC makes recommendations to clients regarding the appropriate modeling system for their specific use.

### MODELING & OPTIMIZATION CAPABILITIES:

- // Hydrologic Modeling
- // Hydraulic Modeling
- // Water Quality Modeling
- // Floodplain Mapping
- // Groundwater Modeling
- // Watershed Modeling
- // Geological Modeling
- // Best Management Practice Planning
- // Engineering Software Development
- // Engineering Software Migration
- // Development of Engineering Model Application Tools
- // Engineering Model Application Support

### > CONTACT US

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