



ESS Group, Inc. staff members have extensive experience with water supply development services for municipal clients, private developers, and recreational facilities. Services provided include initial feasibility and permitting evaluations, field investigation scoping and implementation, aquifer test design and performance, groundwater modeling, permit acquisition, wetland and ecological services, irrigation supply planning, safe yield analysis, and monitoring program development and implementation. ESS has a strong track record for providing innovative and cost-effective solutions on water supply development projects for municipalities, developers, and existing and proposed facilities throughout New England.

## Field Investigation

- Site Assessment and Selection
- Well Installation, Testing, and Monitoring
- Short-Term and Prolonged Aquifer Tests
- Discrete Borehole Testing
- Water Quality Analysis
- Nutrient Loading Analysis
- Monitoring Program Development and Implementation

## Data Analysis

- Conceptual Model Development
- Estimation of Potential Yield (Potable and Non-Potable Feedwater)
- Pump Test Evaluation
- Predictive Analysis of Proposed Water Withdrawals
- Zone II Delineation for Public Water Supplies
- Streamflow and Drought Analysis

## Typical Projects

- Municipal Water Supply Evaluations
- Irrigation Supply Development
- Industrial Feedwater Sources
- Non-Potable (e.g., Reverse Osmosis)

## Permitting

- NEPA – Environmental Impact Statements
- MEPA – Environmental Impact Review
- NHESP – Endangered Species Review
- MassDEP – Water, Land, and Coastal Permits
- MassDEP – Water Management Act Permits
- MassDEP – New Source Approvals
- CTDEP – Water Diversion Permits
- CCC, MVC – Development of Regional Impact Review

