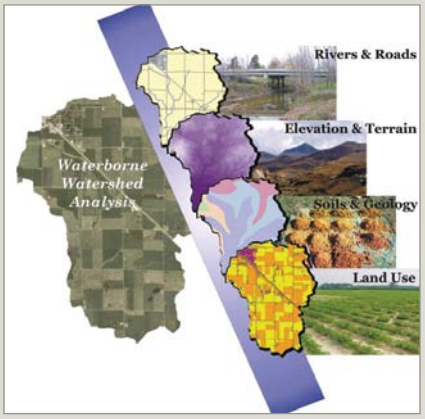
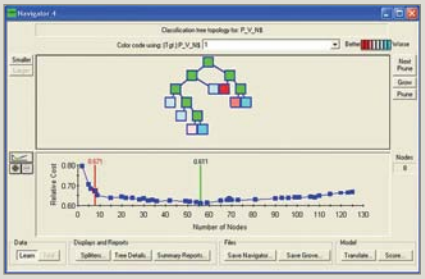
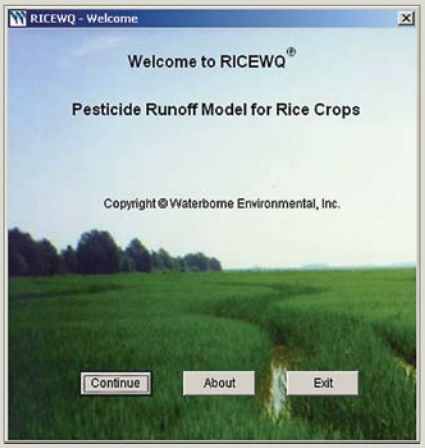
ENVIRONMENTAL MODELING

WATERBORNE
ENVIRONMENTAL, INC.

Whether you need to protect drinking water, endangered species, or other non-target organisms, Waterborne uses state of the art chemical fate and transport models to estimate environmental concentrations. We routinely use standard regulatory models and scenarios (such as those developed by USEPA, PMRA, and the EU) and develop approaches for higher tier refinements. Our dedicated engineers and scientists offer you the following services:







PROBABILISTIC RISK ASSESSMENT

- Risk Mapping
- Ecological System Populations
- Endangered Species
- Non-Target Plants and Crops
- Dose Effects and Recovery
- Antifoulants
- Degradation Kinetics

WATERSHED ASSESSMENT

- Sediment Accumulation
- Aquifer Vulnerability
- Drinking-Water Vulnerability
- Pharmaceutical and Personal Care Products
- Urban Water Quality and Storm Water Management
- Agricultural Best Management Practices

STATISTICAL ANALYSIS

- Probabilistic Exposure Modeling
- Monte Carlo Assessment
- Logistic Regression
- Classification and Regression Tree Analysis
- Classical Confirmatory and Exploratory Data Analysis
- Linear and Nonlinear Modeling

MODEL DEVELOPMENT

- Regulatory Assessment Tools (e.g., PRZM in FOCUS, PLUS, NPAT)
- BMP Models (e.g., PRZM-PRZM Buffer, VFDM)
- Fate and Transport Models (e.g., RICEWQ, RIVWQ)
- Exposure Profile Analysis (e.g., RADAR, EXAMINER)

WATERBORNE
ENVIRONMENTAL, INC.

Innovative Approaches to Environmental Studies and Risk Assessment

Waterborne offers a diverse portfolio of environmental services:

RISK ASSESSMENT

- Ecological and Human Health Analysis
- Risk Mitigation
- Endangered Species Assessment
- Spatial and Temporal Exposure Characterization
- Vulnerability Analysis
- Probabilistic Assessment
- Risk Mapping

GEOSPATIAL INFORMATION MANAGEMENT

- GIS Analysis
- Geostatistical Analysis
- Custom GIS Application Development
- Remote Sensing
- Data Development
- Data Hosting
- Web Application Development
- GIS Portal Toolkit Implementation

FIELD STUDIES

- Watershed and Ecological Monitoring
- Terrestrial and Aquatic Field Dissipation Studies
- National and Regional Drinking-Water Monitoring
- Runoff and Surface-Water Monitoring
- Prospective and Retrospective Ground-Water Monitoring
- Simulated Rainfall Studies
- Bioaccumulation Studies
- Crop Residue Studies

INNOVATIVE | EXPERIENCED | RESPECTED

Contact Waterborne to find out how we can help you.

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