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Integrated Modeling for Stormwater Management and Source Water Protection

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Integrated Modeling for Stormwater Management and Source Water Protection

**DRIVERS**
- SDWA
  - Source Water Protection
- Stormwater Management
- CWA
  - Wetlands Protection
- TMDLs
- NFIP
  - Floodplain Management

**USE - CONSERVATION - PROTECTION**

**MODEL APPLICATIONS**
- Regulatory Policy & Decision Making
- Stormwater Controls Implementation (Quantity and Quality)
- Flood Risk Assessment
- Sewer Capacity Analysis/Climate Change Impacts

**MODEL INTEGRATION FRAMEWORK**
- LEVERAGING COMMON RESOURCES
  - Common Watershed Goals
  - Data
  - Measures/Practices/Tools
  - Targeted Outreach
  - Funding Alternatives

**SCALE**
- **GOALS/USES**
  - Point/Site
    - Mixing Zone/Point Source Analysis
    - Development/Redevelopment
    - Compliance to Stormwater Regulations
  - Sewer Shed
    - Stormwater Management
    - Flood Risk Management
  - Watershed
    - Stormwater Master Plans
    - TMDL Development and Implementation
    - Watershed Management
  - Receiving Water
    - TMDL Development and Implementation
    - Floodplain Management

**SCALE**
- **LINKED MODELS CONFIGURATIONS**
  - P
  - S
  - W
  - R

**MODEL INTEGRATION FRAMEWORK**
- **FRAMEWORK**

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