# THE POWER OF SAM, UNPARALLELLED

## MINUTES INSTEAD OF MONTHS

SAM delivers superfast solutions to protect and plan water resources.

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**R RESPEC**

**BECAUSE LOCAL RESOURCE MANAGERS** and government agencies face critical water quality issues, they use RESPEC's Scenario Application Manager (SAM) as a support tool for planning and implementing targeted actions to restore or protect water quality. SAM is the single, go-to, decision-support tool for planning watershed projects and creating winning proposals for implementation. Thoroughly tested in the agricultural and forested landscapes of Minnesota for the last 4 years, SAM can benefit every state and district. SAM is ideal for use in high-level, accurate watershed assessment and planning of watershed grant and implementation programs as well as water quality trading programs. As an added benefit, SAM is supported by RESPEC's step-by-step training.

As a robust, superfast, and accurate graphical interface to the Hydrologic Simulation Program-FORTRAN (HSPF) model applications, SAM generates highly accurate data in minutes instead of months. User-friendly SAM supports clients in making the best choices, demonstrating local benefits, and realizing financial return for their watershed area.

Applying their own local knowledge and expertise of watershed planning and implementation, SAM users simplify complex hydrologic and water quality model applications into transparent estimates of pollutant sources. SAM benefits projects with rapid mapping, analysis, and modeling quantum advances.

The framework of SAM includes a Geographic Information System for best management practice (BMP) prioritization; a BMP database with pollutant-removal efficiencies and associated costs; and scenario analysis, optimization, and reporting capabilities.

Simply put, SAM represents a single, powerful decision-making tool and quantum leap in mapping and modeling of water resources—there is no competitor. Why wait for months of processing time when you can have your best solution in 30 minutes? Download SAM for free today!

## FLEXIBLE, REPORTABLE, SUPERFAST, ACCURATE

SAM encompasses a variety of features to enhance decision-making in the watershed scenario workflow. By prioritizing water resources and the issues impacting them, SAM prepares the way.

## SAM DOES IT ALL:

// Measures water quality improvement

// Determines best solutions for watershed scenarios for forested and agricultural landscapes

// Tracks expected nutrient and sediment load reductions delivered to priority water resources

// Designs and builds scenarios for prioritized and targeted implementation solutions

// Calculates cost-effectiveness and optimizes water quality improvements

// Provides flexible reporting that delivers accurate data to justify grant budgets for project implementation

// Delivers best results; targeted site-specific fields for conservation practices and BMPs are placed after thorough planning with SAM

// Best-suited for developing watershed plans and creating defensible, measurable outcomes

> **READY TO DOWNLOAD SAM?** https://www.respec.com/sam-file-sharing/

# SAM IS THE FUTURE OF WATER QUALITY PLANNING

Looking to provide the single, most powerful planning and decision-making support tool available today, RESPEC's goal in developing SAM was to provide an easy-to-learn, superfast, and accurate planning tool that clearly demonstrates the benefits of watershed and conservation options and related financial return. Local water managers can now have the data they need for superior solutions and to support proposal funding. With processing time in minutes instead of months, SAM is a quantum leap for today's water resource and project planning—there is simply no competition. SAM is ready, free, robust, superfast, accurate, and used and supported by government and natural resource managers. Running on HSPF, SAM provides everything you need for project definition and preparation. After clients win funding awards, many options are available for determining and tracking progress for site-specific targets.

Using agreed-upon practitioner's language, SAM expands the public's investment in HSPF to a broader audience to support Total Maximum Daily Load (TMDL) and Watershed Restoration and Protection Strategy (WRAPS) reports as well as comprehensive watershed management plans and water quality trading programs. The SAM decision-support tool provides a user-friendly, comprehensive approach to analyze HSPF results graphically and spatially, design and simulate alternative scenarios with HSPF, and develop cost-optimized scenarios based on user-defined water quality targets.

## WHAT CAN SAM DO FOR YOU?

**//** Solutions in minutes instead of months

**//** Superior planning tool to ensure water quality goals

**//** Accurate information to understand watershed conditions

**//** One-click export of graphs, tables, and maps to simplify reporting

**//** Simultaneous processing improves upon linear logic processing products

**//** Intuitive, user-friendly interface and super-clear visual display that runs on HSPF

**//** Robust support for developing watershed-based approaches for the long term

**//** Reasonable assurance for water quality trading programs

## POWERFUL DECISION-MAKING AT YOUR FINGERTIPS

### SUCCESSFULLY USED AND PROVEN IN MINNESOTA, SAM IS AVAILABLE IN EVERY STATE.

> ## CONTACT US

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