# Water Reuse

## WATER TREATMENT
## MODELING SOFTWARE
## WATER REUSE SCENARIOS

French Creek
Software

**frenchcreek.net/water-reuse**

# Find an optimal mix of fresh & concentrated streams.

## Model 18+ Scale Forming Species

| | | |
|---|---|---|
| Calcite | Celestite | Ferric hydroxide |
| Aragonite | Tricalcium phosphate | Siderite |
| Witherite | Hydroxyapatite | Strengite |
| Strontianite | Calcium phosphate | Halite |
| Calcium oxalate | Amorphous silica | Thenardite |
| Anhydrite | Fluorite | Iron sulfide |
| Magnesite | Silica | |
| Gypsum | Brucite | |
| Barite | Mag. silicate | |
| | (stoichiometric) | |

# Shareable, interpretable visual aids & thorough reports.

## Reports

One-Page Summary
Table
2D Graph
3D Contour & Bar Graph

## Visual Aids & Outputs

**Table**
- Saturation vs Temp
- Saturation vs pH
- Saturation Concentration / Recovery

**Graph**
- Graph Saturation vs Concentration / Recovery
- Graph Saturation vs Temp
- Graph Saturation vs Temp

# Scale inhibitor treatment modeling for basic and custom formulations.

## Inhibitor Modeling

French Creek - Basic Edition licenses model scale with several pH control options. French Creek - Premium Editions enable users to model their own custom formulations. Model a treatments limits and suggested dosage.

# Four Editions

## Basic Edition
The Basic Edition will perform a thorough scale evaluation (18 + Saturation Levels & Indices), for a selected range of parameters. The program outputs results using a selection of thorough tables and color coded graphs. It is useful for troubleshooting a system and finding a systems optimum operating range with or without pH controls.

## Field Engineer Edition
The salesman edition calculates all scale potentials and generates all 2D and 3D profile graphs, plus adds the ability to model Product Files (created with a Formulator or Laboratory Edition). As the names suggest, this is a useful tool for staff members in sales or field work. Using Product Files, salesman can select a product, obtain optimum dosage recommendations and check the limits and failure points in a system.

## Formulator Edition
The Product Manager & Formulator Editions add the ability to generate Product Files. Product files take only a moment to create using French Creek's vast Inhibitor Model Library, containing most widely used generic and proprietary materials. To input a product, a user selects the necessary materials end enters the material's active. Once a Product File is created it can model dosages and limits or be distributed to Salesman/Field Engineer users for dosage modeling.

## Laboratory Edition
The Lab edition adds the ability to develop your own models from laboratory data, field data or a combination. Models can be developed for scale inhibitor dosage optimization, corrosion inhibitors, corrosion rate prediction, and suspended solids dispersant dosage optimization.

Pricing available at http://store.frenchcreeksoftware.com/