



# SOILVISION SYSTEMS

## PRODUCT INTEGRATION CHART



**SVOFFICE 2006**  
Next Generation Geotechnical Software



**SOILVISION**®

### SWCC Estimation

SoilVision Database allows users to estimate the hydraulic properties of unsaturated soils from a grainsize distribution. This information is easily imported to SVFlux for a groundwater analysis. Eleven theoretical estimation methods and a database of over 6000 soils allow accurate estimation of unsaturated soil properties. Hundreds of unfrozen water content curves are also available for import into SVHeat.



### Heat Flow

SVHeat utilizes SVFlux water contents when analyzing heat flow. Models can show how freezing fronts develop over time.



**CHEMFLUX**™

### Groundwater Flux Rates

Groundwater gradients provide a significant contribution to the movement of contaminants in the soil. These gradients can be transmitted to ChemFlux to analyze the contribution of advection to contaminant movement.



### SVFlux Pore Water Pressure SVDynamic Slope Analysis

Pore-water pressure from an SVFlux analysis can be used to help determine the influence of pore-pressures on the stability of a slope over time.



**SVDYNAMIC**™

### Air Contents in SVAirFlow

Water content can be taken from SVFlux to calculate the air content used in SVAirFlow. Air movement underground can then be analyzed.



**SVAIRFLOW**™

### Pore-Water Pressure in SVFlux

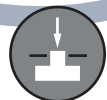
Increases in pore-water pressures due to loading in a SVSolid model can be analyzed in SVFlux. Loading rates can be specified accordingly.

### SVSolid Pore Water Pressure in SVDynamic

Pore-water pressure increases due to loading can affect the stability of a slope. SVDynamic allows SVSolid pore-water pressures to be imported for use in a slope stability analysis.

### SVSolid Stresses for SVDynamic Slope Analysis

The stresses computed from SVSolid are used to determine the factor of safety in an SVDynamic slope stability analysis.



**SVSOLID**™

[WWW.SOILVISION.COM](http://WWW.SOILVISION.COM)