

## Program Details

## ARTICLE NUMBER

ggu-02-002

## OPERATING SYSTEM

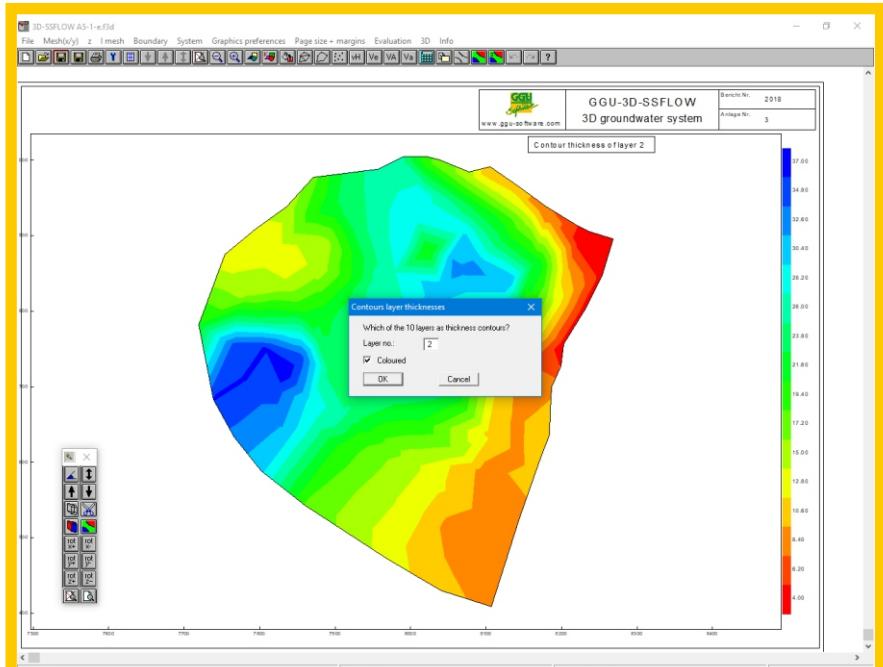
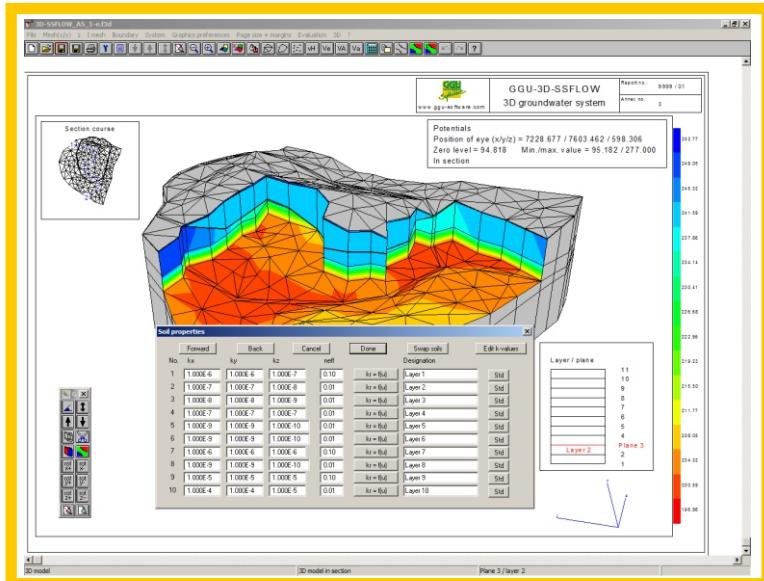
Windows 7/8/10

## Description

**GGU-3D-SSFLOW** – Modelling of steady-state groundwater flow in three-dimensional groundwater systems using finite-element-methods.

### Capabilities:

- Powerful mesh generator with mesh refinement and mesh optimisation
- Import of ASCII data
- FEM mesh coordinates can be imported from a table via the Windows clipboard
- Consideration of phreatic lines and unsaturated zones
- Definition of layer boundaries using fixed values or an interpolation mesh (ASCII data import from the GGU-GEO-GRAF program)
- Graphically oriented data input and editor for fixed boundary conditions such as potentials and point, linear or area sources
- Adopts standard values for  $kr = f(u)$
- Easy-to-use evaluation routines
- Dynamic damping
- Colour supported presentation of results such as coloured contour lines or 3-dimensional models, flow lines, discharges
- Presentation of vertical sections for individual planes/layers
- Fence diagram with velocities and gradients
- Calculates a differential contour diagram from two existing groundwater models
- Results output table with velocities and gradients
- Automatic transfer of steady-state data to the GGU-3D-TRANSIENT program for transient analysis
- Autosave function
- User-defined design of output sheet
- Print or copy screen sections, e.g. for transfer to a word processor
- Integrated Mini-CAD system for additional annotation of graphics



# PROGRAM GGU-3D-SSFLOW

## GEOHYDRAULIC ANALYSIS

