# Odränerad analys, befintliga förhållanden, Nulägesanalys



## File Information

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## Project Settings

Length(L) Units: meters
Time(t) Units: Seconds
Force(F) Units: kN
Pressure(p) Units: kPa
Strength Units: kPa
Unit Weight of Water: 9.807 kN/m³
View: 2D

## Analysis Settings

### Odränerad analys, befintliga förhållanden, Nulägesanalys

Description: SEKTION: V46/900 delomr 4, odränerad analys Uppsprucken torrskorpa Artesiskt portryck
Kind: SLOPE/W
Method: Morgenstern-Price
Settings
- Side Function
  - Interslice force function option: Half-Sine
- PWP Conditions Source: Pressure Head Spatial Function
- Pressure Head Spatial Fn.: Uppmätta maxvärde

Slip Surface
- Direction of movement: Right to Left
- Use Passive Mode: No
- Slip Surface Option: Grid and Radius
- Critical slip surfaces saved: 20
- Optimize Critical Slip Surface Location: Yes
- Tension Crack
  - Tension Crack Option: (none)

FOS Distribution

FOS Calculation Option: Constant

Advanced

Number of Slices: 30
Optimization Tolerance: 0.01
Minimum Slip Surface Depth: 0.1 m
Optimization Maximum Iterations: 2000
Optimization Convergence Tolerance: 1e-007
Starting Optimization Points: 8
Ending Optimization Points: 16
Complete Passes per Insertion: 1
Driving Side Maximum Convex Angle: 5 °
Resisting Side Maximum Convex Angle: 1 °

# Materials

## Crust ud

Model: S=f(depth)
Unit Weight: 18 kN/m³
C-Top of Layer: 30 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa

## Clay 1 ud

Model: S=f(depth)
Unit Weight: 16 kN/m³
C-Top of Layer: 10 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa

## Clay 2 ud

Model: S=f(datum)
Unit Weight: 15.6 kN/m³
C-Datum: 10 kPa
C-Rate of Change: 0.83 kPa/m
Limiting C: 0 kPa
Elevation: -3 m

## Clay 3 ud

Model: S=f(datum)
Unit Weight: 16 kN/m³
C-Datum: 20 kPa
C-Rate of Change: 1 kPa/m
Limiting C: 0 kPa
Elevation: -15 m

## Clay 4 ud

Model: S=f(depth)
Unit Weight: 15.6 kN/m³
C-Top of Layer: 3 kPa
C-Rate of Change: 2.87 kPa/m

Limiting C: 0 kPa

### Clay 5 ud

Model: S=f(depth)
Unit Weight: 15.6 kN/m³
C-Top of Layer: 3 kPa
C-Rate of Change: 2.39 kPa/m
Limiting C: 0 kPa

### Friction

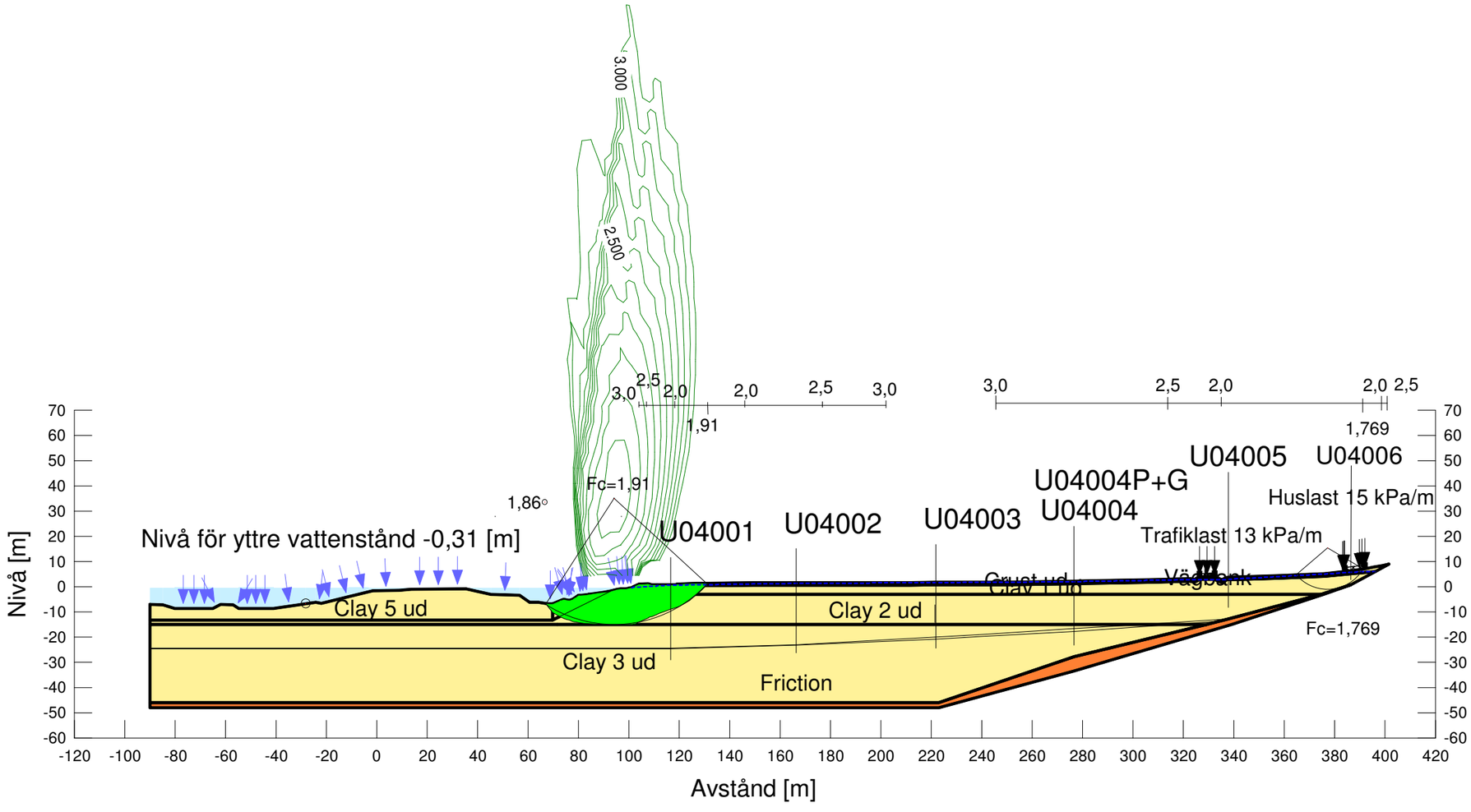
Model: Mohr-Coulomb
Unit Weight: 22 kN/m³
Unit Wt. Above Water Table: 20 kN/m³
Cohesion: 0 kPa
Phi: 40 °
Phi-B: 0 °

### Vägbank

Model: Mohr-Coulomb
Unit Weight: 21 kN/m³
Unit Wt. Above Water Table: 18 kN/m³
Cohesion: 0 kPa
Phi: 40 °
Phi-B: 0 °

Skala 1:2000 (A3)
Leveransdatum 2011-03-31

Göta älv utredningen 2009-2012
SEKTION: V46/900 delomr 4, odränerad analys
Uppsprucken torrskorpa
Artesiskt portryck
Beräkningsmodell: Morgenstern-Price
Metod: Grid and Radius
Portrycksmodell: Pressure Head Spatial Function
Datum: 2011-03-31

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