Odränerad analys, befintliga förhållanden

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File Information

Created By: Saad Jamil
Revision Number: 263
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Date: 2010-12-21
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File Name: 32760WUS.gsz
Directory: V:_UPPDRAG\224784\Teknik\Delområde 1-10\Delområde 4-14084\Geoteknik\Beräkningar\Sektion 22\
Last Solved Date: 2010-12-21
Last Solved Time: 17:29:24

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: V32/760 odränerad analys
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.: Nulägesanalys

Slip Surface
- Direction of movement: Right to Left
- Use Passive Mode: No
- Slip Surface Option: Entry and Exit
- 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: 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

Strandskoning

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

Clay 1 ud

Model: S=f(datum)
Unit Weight: 16.4 kN/m³
C-Datum: 22 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa
Elevation: 11 m

Clay 2 ud

Model: S=f(datum)
Unit Weight: 16.2 kN/m³
C-Datum: 22 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa
Elevation: 2 m

Clay 3 ud

Model: S=f(datum)
Unit Weight: 16.2 kN/m³

C-Datum: 22 kPa
C-Rate of Change: 1.4 kPa/m
Limiting C: 0 kPa
Elevation: 0 m

Clay 4 ud

Model: S=f(datum)
Unit Weight: 16.8 kN/m³
C-Datum: 22 kPa
C-Rate of Change: 1.4 kPa/m
Limiting C: 0 kPa
Elevation: 0 m

Clay 5 ud

Model: S=f(datum)
Unit Weight: 15 kN/m³
C-Datum: 14 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa
Elevation: 15 m

Clay 6 ud

Model: S=f(datum)
Unit Weight: 15 kN/m³
C-Datum: 14 kPa
C-Rate of Change: 1.6 kPa/m
Limiting C: 0 kPa
Elevation: 5 m

Clay 7 ud

Model: S=f(datum)
Unit Weight: 15 kN/m³
C-Datum: 14 kPa
C-Rate of Change: 0 kPa/m
Limiting C: 0 kPa
Elevation: 20 m

Clay 8 ud

Model: S=f(datum)
Unit Weight: 15.8 kN/m³
C-Datum: 14 kPa
C-Rate of Change: 1.5 kPa/m
Limiting C: 0 kPa
Elevation: 12 m

Friction

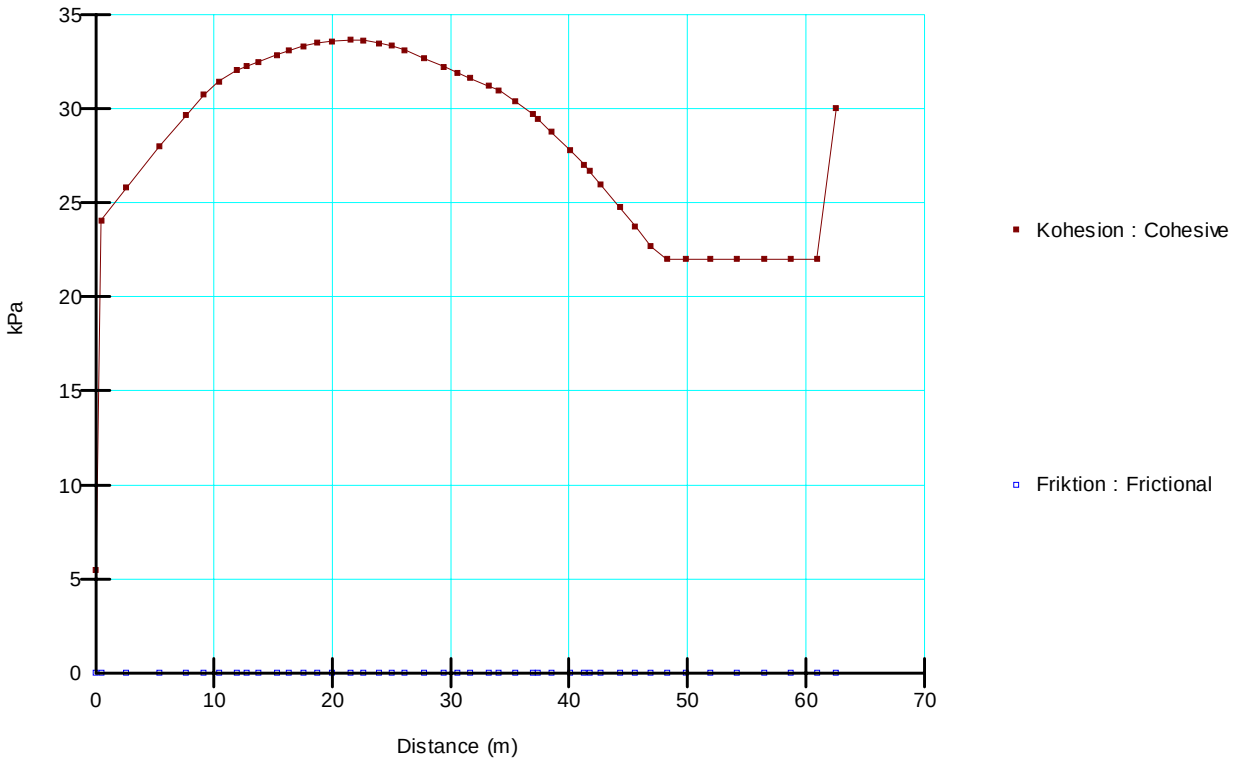
Model: Mohr-Coulomb
Unit Weight: 22 kN/m³
Unit Wt. Above Water Table: 20 kN/m³
Cohesion: 0 kPa
Phi: 38 °
Phi-B: 0 °

Bedrock

Model: Bedrock (Impenetrable)

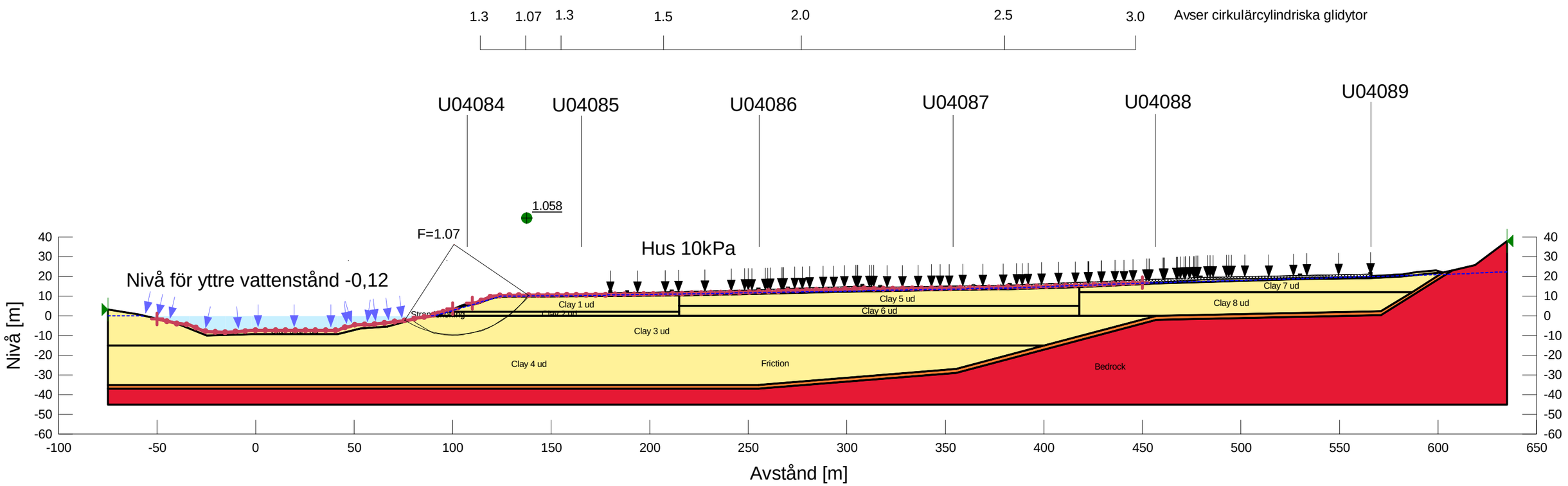
Clay 9 älv ud

Model: S=f(depth)
Unit Weight: 16 kN/m³
C-Top of Layer: 5 kPa
C-Rate of Change: 15 kPa/m
Limiting C: 0 kPa



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

Göta älv utredningen 2009-2012
SEKTION: V32/760 odränerad analys
Beräkningsmodell: Morgenstern-Price
Metod: Entry and Exit
Portrycksmodell: Pressure Head Spatial Function
Datum: 2011-01-14



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