

## *Slide Analysis Information*

### *Odlagalisce Korte*

#### *Project Summary*

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File Name: K37\_po nasutju  
 Slide Modeler Version: 7.013  
 Project Title: Odlagalisce Korte  
 Analysis: Analiza stabilnosti leve brežine v profilu K-37  
 Author: B.Praznik,u.d.i.geol.  
 Company: GECKO d.o.o.

#### **Comments**

Analiza stabilnosti v profilu K-37 po nasutju

#### *Design Standard*

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Selected Type: Eurocode 7 - Design Approach 3

Type	Partial Factor
Permanent Actions: Unfavourable	1
Permanent Actions: Favourable	1
Variable Actions: Unfavourable	1.3
Variable Actions: Favourable	0
Effective cohesion	1.25
Coefficient of shearing resistance	1.25
Undrained strength	1.4
Weight density	1
Shear strength (other models)	1.25
Earth resistance	1
Tensile and plate strength	1
Shear strength	1
Compressive strength	1
Bond strength	1
Seismic Coefficient	1

#### *Groundwater Analysis*

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Groundwater Method: Water Surfaces  
 Pore Fluid Unit Weight [kN/m<sup>3</sup>]: 9.81  
 Advanced Groundwater Method: None

#### *Seismic*

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Advanced seismic analysis: No  
 Staged pseudostatic analysis: No

## Loading

Seismic Load Coefficient (Horizontal): 0.05

Seismic Load Coefficient (Vertical): 0.025

## Material Properties

Property	Nasutje	GM	Fliš
Color			
Strength Type	Mohr-Coulomb	Mohr-Coulomb	Generalized Hoek-Brown
Unit Weight [kN/m <sup>3</sup> ]	20	19	23
Cohesion [kPa]	0.5	0	
Friction Angle [deg]	35	35	
Unconfined Compressive Strength (intact) [kPa]			3000
nmb			0.431795
ns			0.000172232
na			0.538237
Water Surface	Water Table	Water Table	Water Table
Hu Value	1	1	0.8

## Global Minimums

### Method: bishop simplified

FS	1.098300
Center:	45.106, 53.646
Radius:	40.874
Left Slip Surface Endpoint:	10.648, 31.662
Right Slip Surface Endpoint:	50.676, 13.154
Resisting Moment:	107420 kN-m
Driving Moment:	97806 kN-m
Total Slice Area:	226.707 m <sup>2</sup>
Surface Horizontal Width:	40.0285 m
Surface Average Height:	5.66364 m