

## *Slide Analysis Information*

### *Odlagališce Sared - nasadi*

#### *Project Summary*

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File Name: S-11\_brez nasipa  
 Slide Modeler Version: 7.013  
 Project Title: Odlagališce Sared - nasadi  
 Analysis: Analiza stabilnosti čelne brežine  
 Author: B.Praznik, u.d.i.geol.  
 Company: GECKO d.o.o.

#### **Comments**

Analiza stabilnosti v profilu Š-11 pred nasutjem

#### *Design Standard*

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Selected Type: Eurocode 7 - Design Approach 2

Type	Partial Factor
Permanent Actions: Unfavourable	1.35
Permanent Actions: Favourable	1
Variable Actions: Unfavourable	1.5
Variable Actions: Favourable	0
Effective cohesion	1
Coefficient of shearing resistance	1
Undrained strength	1
Weight density	1
Shear strength (other models)	1
Earth resistance	1.1
Tensile and plate strength	1.1
Shear strength	1.1
Compressive strength	1.1
Bond strength	1.1
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	GM	Fliš
Color		
Strength Type	Mohr-Coulomb	Generalized Hoek-Brown
Unit Weight [kN/m <sup>3</sup> ]	19	23
Cohesion [kPa]	0	
Friction Angle [deg]	34	
Unconfined Compressive Strength (intact) [kPa]		3000
nmb		0.431795
ns		0.000172232
na		0.538237
Water Surface	Water Table	Water Table
Hu Value	1	0.8

## Global Minimums

### Method: bishop simplified

FS	1.612900
Center:	101.138, 94.947
Radius:	114.048
Left Slip Surface Endpoint:	2.769, 37.236
Right Slip Surface Endpoint:	174.197, 7.372
Resisting Moment:	5.21869e+006 kN-m
Driving Moment:	3.2356e+006 kN-m
Total Slice Area:	4581.09 m <sup>2</sup>
Surface Horizontal Width:	171.428 m
Surface Average Height:	26.7232 m