

Slide Analysis Information

Odlagalisce Baredi 2

Project Summary

File Name: B2A3_modificiran z bermami
 Slide Modeler Version: 7.013
 Project Title: Odlagalisce Baredi 2
 Analysis: Analiza stabilnosti profila B2A_3
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Design Standard

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

Groundwater Method: Water Surfaces
 Pore Fluid Unit Weight [kN/m³]: 9.81
 Advanced Groundwater Method: None



Seismic

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	Fliš
Color		
Strength Type	Mohr-Coulomb	Generalized Hoek-Brown
Unit Weight [kN/m ³]	20	23
Cohesion [kPa]	0.5	
Friction Angle [deg]	35	
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	1.037630
Center:	282.011, 245.543
Radius:	153.078
Left Slip Surface Endpoint:	160.115, 152.946
Right Slip Surface Endpoint:	333.290, 101.310
Resisting Moment:	4.59708e+006 kN-m
Driving Moment:	4.43036e+006 kN-m
Total Slice Area:	4048.49 m ²
Surface Horizontal Width:	173.175 m
Surface Average Height:	23.3781 m