

Slide Analysis Information

Odlagališce Padna

Project Summary

File Name: Padna_vzd
 Slide Modeler Version: 7.013
 Project Title: Odlagališce Padna
 Analysis: Analiza stabilnosti čelne brežine
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 Company: GECKO d.o.o.

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

Material Properties

Property	Nasutje	GM	Fliš	Preperina
Color				
Strength Type	Mohr-Coulomb	Mohr-Coulomb	Generalized Hoek-Brown	Mohr-Coulomb
Unit Weight [kN/m ³]	20	19	23	19
Cohesion [kPa]	0.5	0		56
Friction Angle [deg]	35	35		0
Unconfined Compressive Strength (intact) [kPa]			3000	
nmb			0.431795	
ns			0.000172232	
na			0.538237	
Water Surface	None	None	None	None
Ru Value	0	0	0	0

Global Minimums

Method: bishop simplified

FS	1.277160
Center:	88.911, 56.871
Radius:	33.176
Left Slip Surface Endpoint:	98.546, 25.125
Right Slip Surface Endpoint:	108.306, 29.955
Resisting Moment:	1325.69 kN-m
Driving Moment:	1037.99 kN-m
Total Slice Area:	3.52891 m ²
Surface Horizontal Width:	9.76029 m
Surface Average Height:	0.361558 m