

Slide Analysis Information

Deponija Elerji - kamnolom Škofije

Project Summary

File Name: Profil 6-6.slim
 Slide Modeler Version: 6.005
 Project Title: Deponija Elerji - kamnolom Škofije
 Analysis: Analiza stabilnosti kočnega stanja deponije
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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: 9.81 kN/m³
 Advanced Groundwater Method: None

Loading

Seismic Load Coefficient (Horizontal): 0.05
 Seismic Load Coefficient (Vertical): 0.025

Material Properties

Property	Nasutje	Fliš
Color		
Strength Type	Mohr-Coulomb	Generalised Hoek-Brown
Unit Weight [kN/m3]	20	23
Cohesion [kPa]	0.5	
Friction Angle [deg]	35	
Unconfined Compressive Strength (intact) [kPa]		3000
nmb		0.498104
ns		0.000268617
na		0.529237
Water Surface	None	None
Ru Value	0	0

Global Minimums

Method: bishop simplified

FS: 1.016590
 Center: 388.504, 120.197
 Radius: 113.149
 Left Slip Surface Endpoint: 320.703, 29.611
 Right Slip Surface Endpoint: 355.155, 12.074
 Resisting Moment=54261.1 kN-m
 Driving Moment=53375.8 kN-m