

Slide Analysis Information

Document Name

File Name: pr_1.sli

Project Settings

Project Title: SLIDE - An Interactive Slope Stability Program
Failure Direction: Right to Left
Units of Measurement: SI Units
Pore Fluid Unit Weight: 9.81 kN/m3
Groundwater Method: Water Surfaces
Data Output: Standard
Calculate Excess Pore Pressure: Off
Allow Ru with Water Surfaces or Grids: Off
Random Numbers: Pseudo-random Seed
Random Number Seed: 10116
Random Number Generation Method: Park and Miller v.3

Analysis Methods

Analysis Methods used:
Bishop simplified
Janbu simplified

Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50

Surface Options

Surface Type: Circular
Radius increment: 10
Minimum Elevation: Not Defined
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack

Loading

1 Distributed Load present:
Distributed Load Constant Distribution, Orientation: Normal to boundary,
Magnitude: 15 kN/m

Material Properties

Material: gradbeni odpadki
Strength Type: Mohr-Coulomb
Unit Weight: 18 kN/m3
Cohesion: 0 kPa
Friction Angle: 28 degrees
Water Surface: None

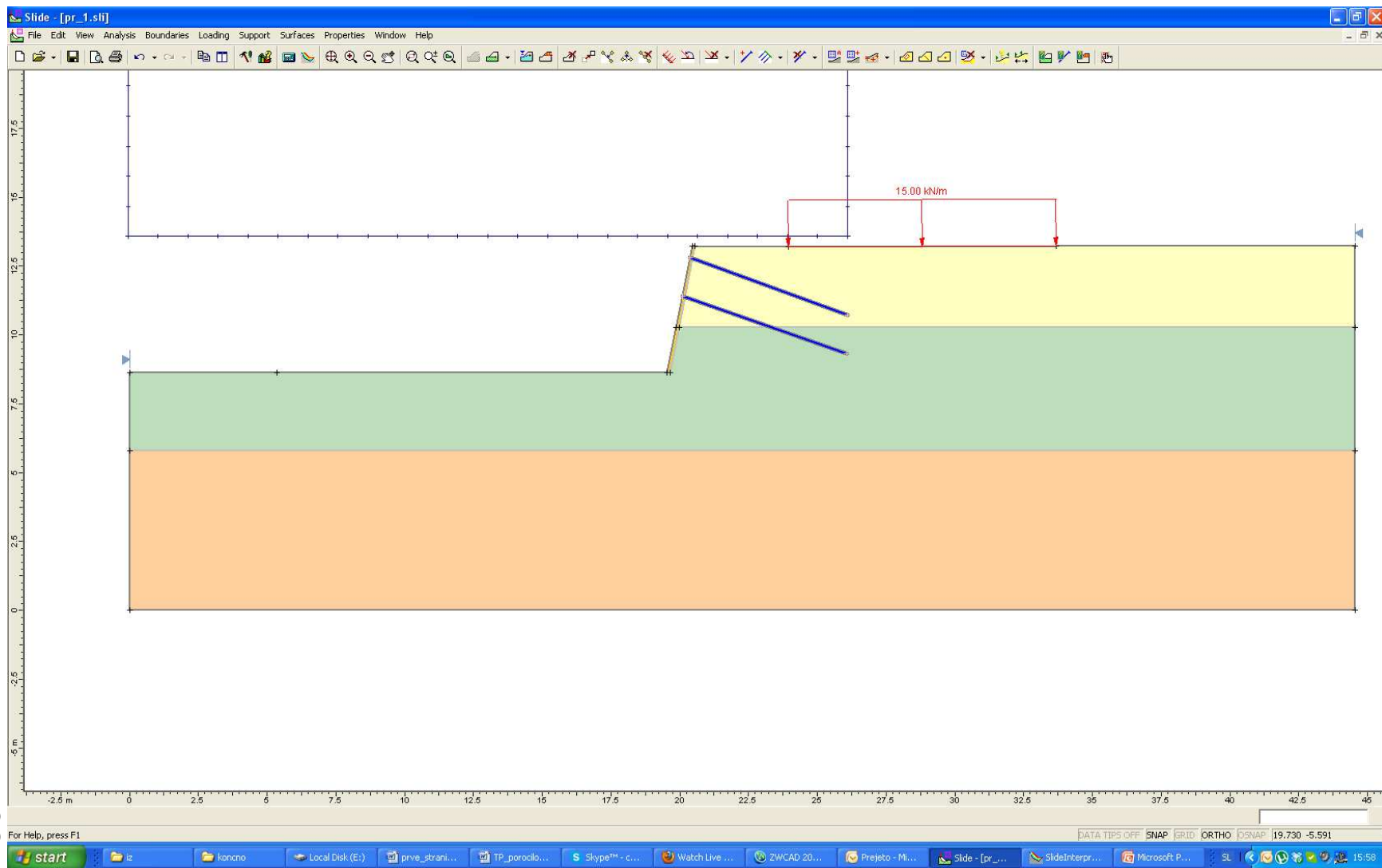
Material: glina
Strength Type: Mohr-Coulomb
Unit Weight: 18 kN/m3
Cohesion: 10 kPa
Friction Angle: 22 degrees
Water Surface: None

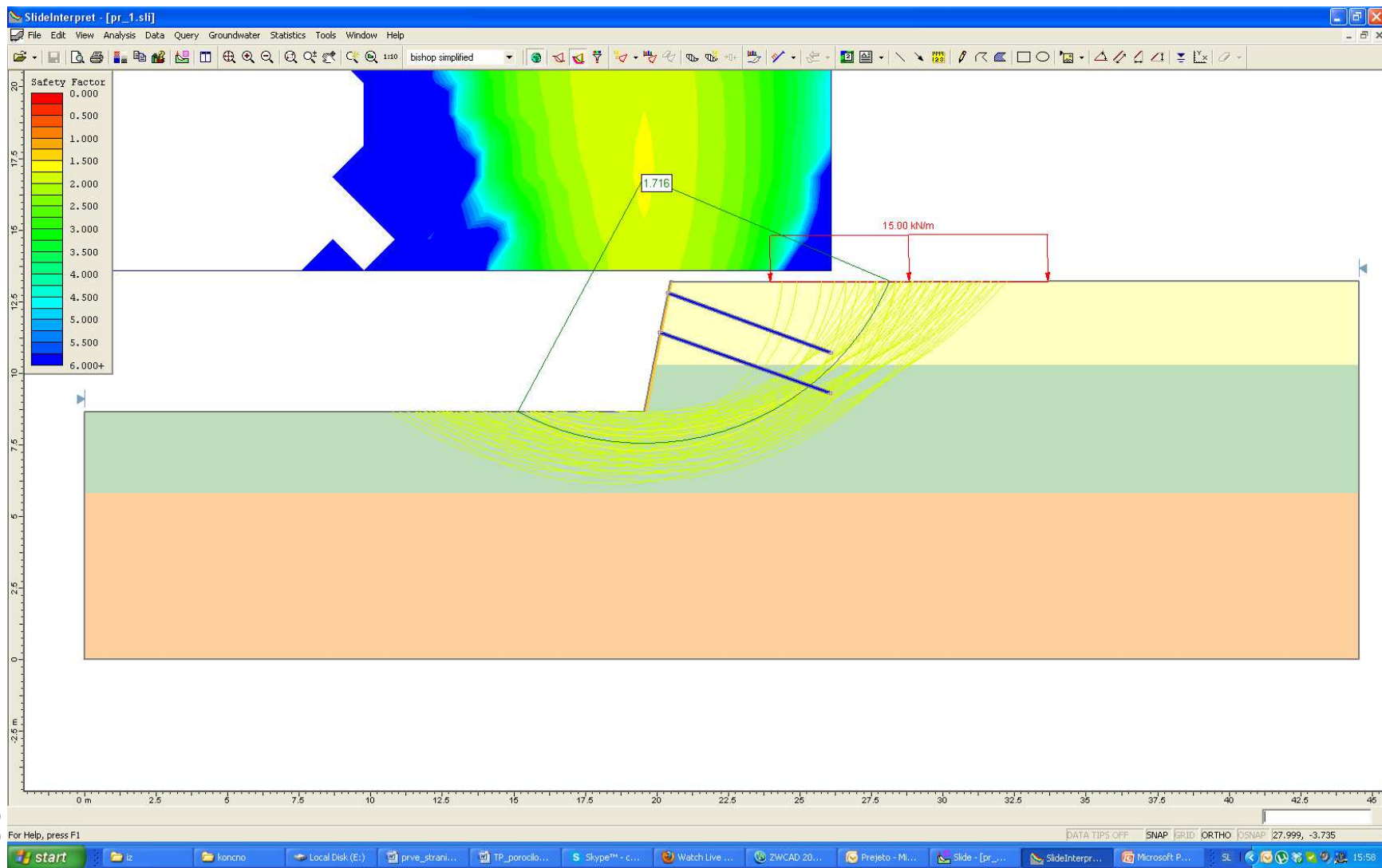
Material: apnenec
Strength Type: Mohr-Coulomb
Unit Weight: 25 kN/m3
Cohesion: 70 kPa
Friction Angle: 50 degrees
Water Surface: None

Material: beton
Strength Type: Mohr-Coulomb
Unit Weight: 24 kN/m3
Cohesion: 1000 kPa
Friction Angle: 40 degrees
Water Surface: None

Support Properties

Support: Support 1
Support 1
Support Type: Grouted Tieback
Force Application: Active
Out-of-Plane Spacing: 2 m
Tensile Capacity: 250 kN
Plate Capacity: 250 kN
Bond length: 100 percent
Bond Strength: 50 kN/m





Slide Analysis Information

Document Name

File Name: pr_2.sli

Project Settings

Project Title: SLIDE - An Interactive Slope Stability Program
Failure Direction: Right to Left
Units of Measurement: SI Units
Pore Fluid Unit Weight: 9.81 kN/m³
Groundwater Method: Water Surfaces
Data Output: Standard
Calculate Excess Pore Pressure: Off
Allow Ru with Water Surfaces or Grids: Off
Random Numbers: Pseudo-random Seed
Random Number Seed: 10116
Random Number Generation Method: Park and Miller v.3

Analysis Methods

Analysis Methods used:

Bishop simplified
Janbu simplified

Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50

Surface Options

Surface Type: Circular
Radius increment: 10
Minimum Elevation: Not Defined
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack

Loading

1 Distributed Load present:
Distributed Load Constant Distribution, Orientation: Normal to boundary,
Magnitude: 15 kN/m

Material Properties

Material: gradbeni odpadki
Strength Type: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 0 kPa
Friction Angle: 28 degrees
Water Surface: None

Material: glina
Strength Type: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 10 kPa
Friction Angle: 22 degrees
Water Surface: None

Material: apnenec
Strength Type: Mohr-Coulomb
Unit Weight: 25 kN/m³
Cohesion: 70 kPa
Friction Angle: 50 degrees
Water Surface: None

Material: beton
Strength Type: Mohr-Coulomb
Unit Weight: 24 kN/m³
Cohesion: 1000 kPa
Friction Angle: 40 degrees
Water Surface: None

