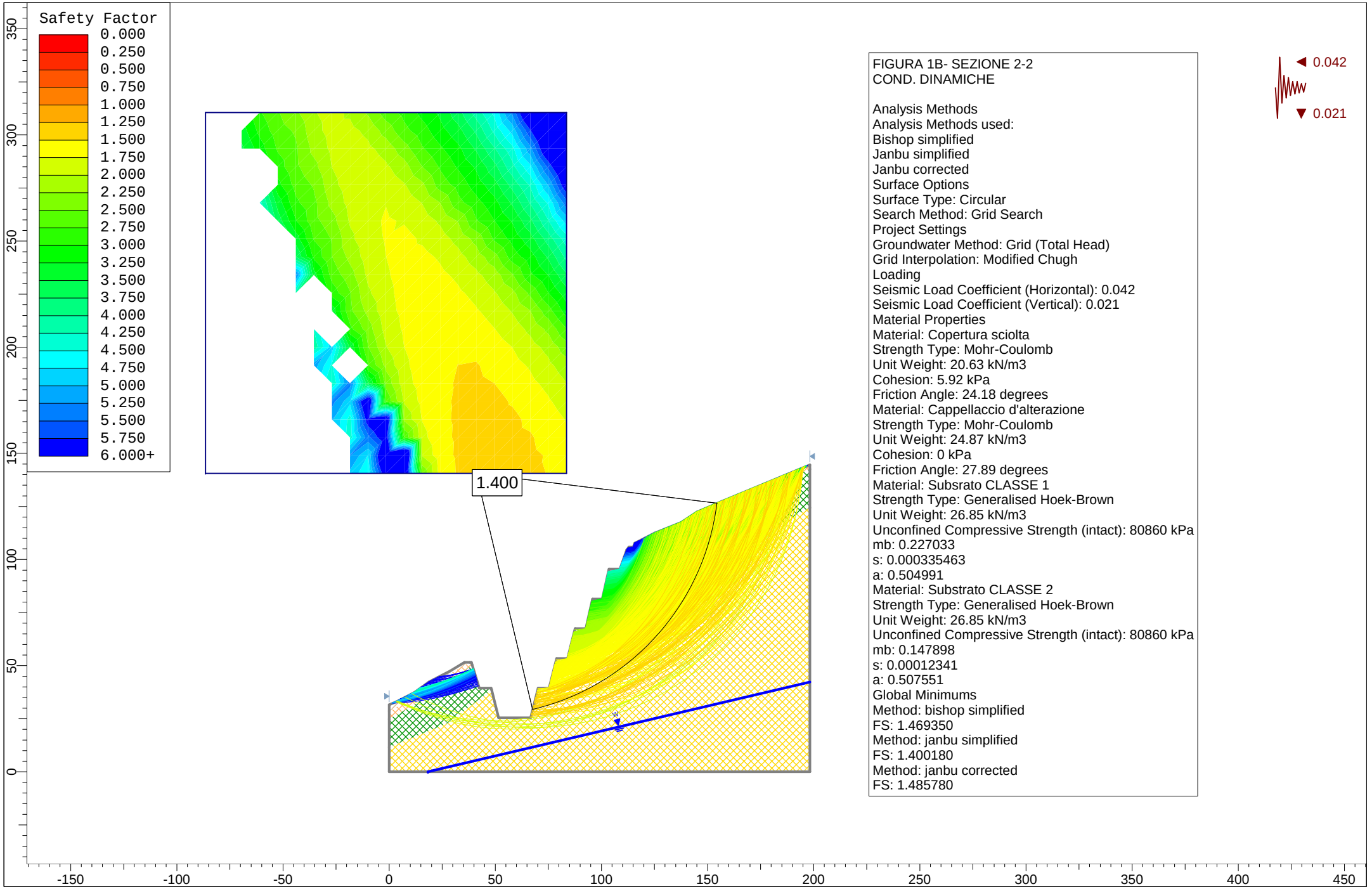

Safety Factor
0.000
0.250
0.500
0.750
1.000
1.250
1.500
1.750
2.000
2.250
2.500
2.750
3.000
3.250
3.500
3.750
4.000
4.250
4.500
4.750
5.000
5.250
5.500
5.750
6.000+
1.400
0.042
0.021
FIGURA 1B- SEZIONE 2-2
COND. DINAMICHE
Analysis Methods
Analysis Methods used:
Bishop simplified
Janbu simplified
Janbu corrected
Surface Options
Surface Type: Circular
Search Method: Grid Search
Project Settings
Groundwater Method: Grid (Total Head)
Grid Interpolation: Modified Chugh
Loading
Seismic Load Coefficient (Horizontal): 0.042
Seismic Load Coefficient (Vertical): 0.021
Material Properties
Material: Copertura sciolta
Strength Type: Mohr-Coulomb
Unit Weight: 20.63 kN/m3
Cohesion: 5.92 kPa
Friction Angle: 24.18 degrees
Material: Cappellaccio d'alterazione
Strength Type: Mohr-Coulomb
Unit Weight: 24.87 kN/m3
Cohesion: 0 kPa
Friction Angle: 27.89 degrees
Material: Subsrato CLASSE 1
Strength Type: Generalised Hoek-Brown
Unit Weight: 26.85 kN/m3
Unconfined Compressive Strength (intact): 80860 kPa
mb: 0.227033
s: 0.000335463
a: 0.504991
Material: Substrato CLASSE 2
Strength Type: Generalised Hoek-Brown
Unit Weight: 26.85 kN/m3
Unconfined Compressive Strength (intact): 80860 kPa
mb: 0.147898
s: 0.00012341
a: 0.507551
Global Minimums
Method: bishop simplified
FS: 1.469350
Method: janbu simplified
FS: 1.400180
Method: janbu corrected
FS: 1.485780
350
300
250
200
150
100
50
0
-150
-100
-50
0
50
100
150
200
250
300
350
400
450