

# Settle3D Analysis Information

## Deponija Sv.Peter

### Project Settings

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Document Name: SvPeter\_posedki.s3z  
 Project Title: Deponija Sv.Peter  
 Analysis: Analiza posedkov pod nasipom na lokaciji preiskave DPM-3  
 Author: B.Praznik, u.d.i.geol.  
 Company: GECKO d.o.o.  
 Comments:  
     Uporabljeni so bili podatki iz elaborata in globine pridobljene iz sonde DPM-3  
 Stress Computation Method: Boussinesq  
 Time-dependent Consolidation Analysis  
 Time Units: years  
 Permeability Units: meters/second  
 Use average properties to calculate layered stresses  
 Groundwater method: Water Table  
 Water Unit Weight: 9.81 kN/m<sup>3</sup>  
 Depth to water table: 1.8 [m]

### Stage Settings

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Stage #	Name	Time [years]
1	Prvotno stanje	0
2	nasutje	0.05
3	0.1	0.1
4	0.2	0.2
5	0.5	0.5
6	1	1
7	2	2
8	3	3
9	4	4
10	5	5
11	10	10

### Results

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Time taken to compute: 5.8973 seconds

#### Stage: Prvotno stanje = 0 y

Data Type	Minimum	Maximum
Total Settlement [m]	0	0

Total Stress [kPa]	0	164
Total Strain	-0	-0
Degree of Consolidation [%]	0	0

**Stage: nasutje = 0.05 y**

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.0179991
Total Stress [kPa]	0	272.293
Total Strain	-0	0.01001
Degree of Consolidation [%]	0	42.6157

**Stage: 0.1 = 0.1 y**

Data Type	Minimum	Maximum
Total Settlement [m]	0	0.0427818
Total Stress [kPa]	0	272.293
Total Strain	-0	0.01001
Degree of Consolidation [%]	0	97.307

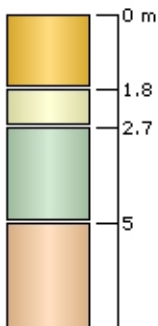
**Stage: 0.5 = 0.5 y**

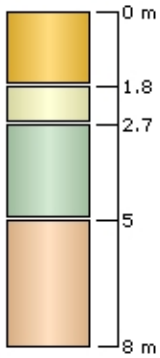
Data Type	Minimum	Maximum
Total Settlement [m]	0	0.0441038
Total Stress [kPa]	0	272.293
Total Strain	-0	0.01001
Degree of Consolidation [%]	0	100

**Soil Layers**





Layer #	Type	Thickness [m]	Depth [m]	Drained at Bottom
1	Star nasip	1.8	0	No
2	GM	0.9	1.8	No
3	preperina	2.3	2.7	No
4	Flis	3	5	No

Ground Surface Drained: Yes





## Soil Properties

Property	GM	preperina	Flis	Star nasip
Color				
Unit Weight [kN/m <sup>3</sup> ]	18	19	23	19.5
Saturated Unit Weight [kN/m <sup>3</sup> ]	18	19	23	19.5
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Linear	Linear	Linear	Linear
mv [m <sup>2</sup> /kN]	4.7e-005	5.9e-005	2e-005	9.1e-005
mvur [m <sup>2</sup> /kN]	1.6e-005	1.9e-005	2e-005	3e-005
K [m/s]	1e-007	1e-008	1e-009	1e-006
B-bar	1	1	1	1