

# Leg Penetration Analysis

Calypso LPA - version 1.43 (2022) Lilian

Project : Example - Clay location

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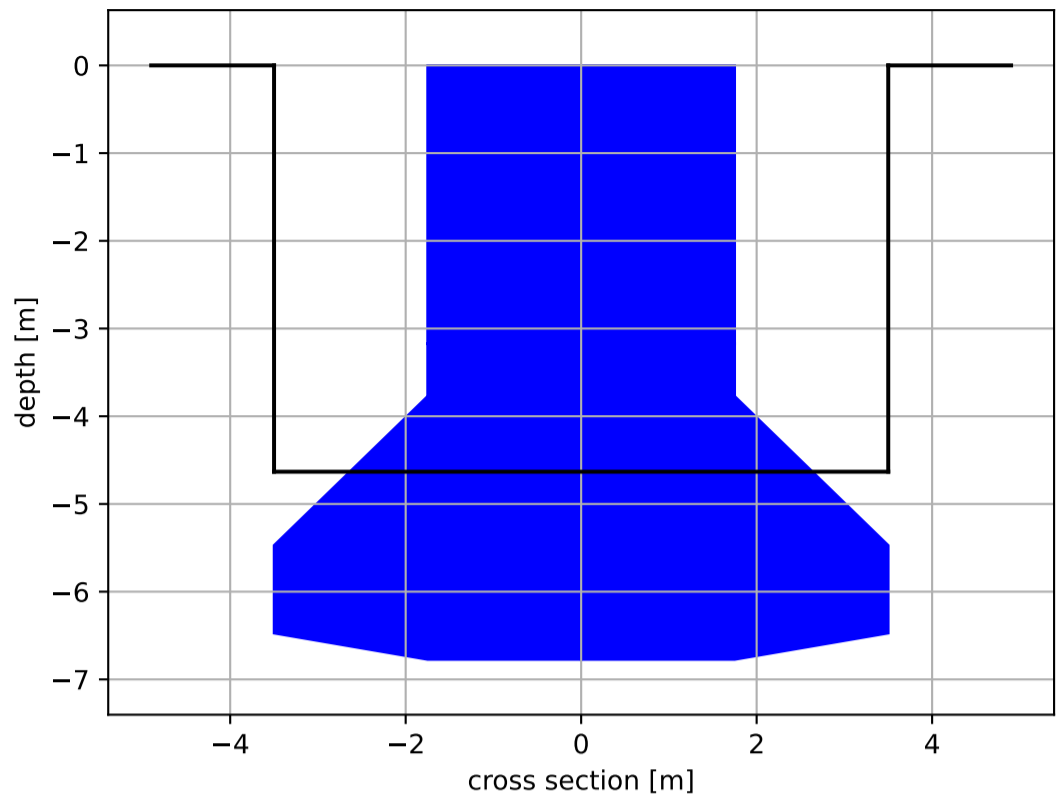
Time : 2022-06-28 11:41:05

Platform name : Example

Location name : Clay location

## Spudcan geometry

Level [m]	Diameter [m]
0.00	3.50
0.30	7.00
1.30	7.00
3.00	3.50
3.60	3.50
3.60	3.50
6.77	3.50



## Soil layers

Top level [m]	Layer thickness [m]	Soil Type	Submerged weight [kN/m3]	Friction Angle [deg]	Shear strength top [kN/m2]	Shear strength bottom [kN/m2]
0.00	5.00	clay	9.50	[-]	20	80
5.00	2.00	clay	10.00	[-]	80	150
7.00	5.00	clay	9.50	[-]	150	100
12.00	5.00	clay	10.00	[-]	100	300

## Penetration

Applied preload [kN]	44000
Expected spudcan tip penetration [m]	6.77
Weight of backfill [kN]	70.54

## Resistance graph

