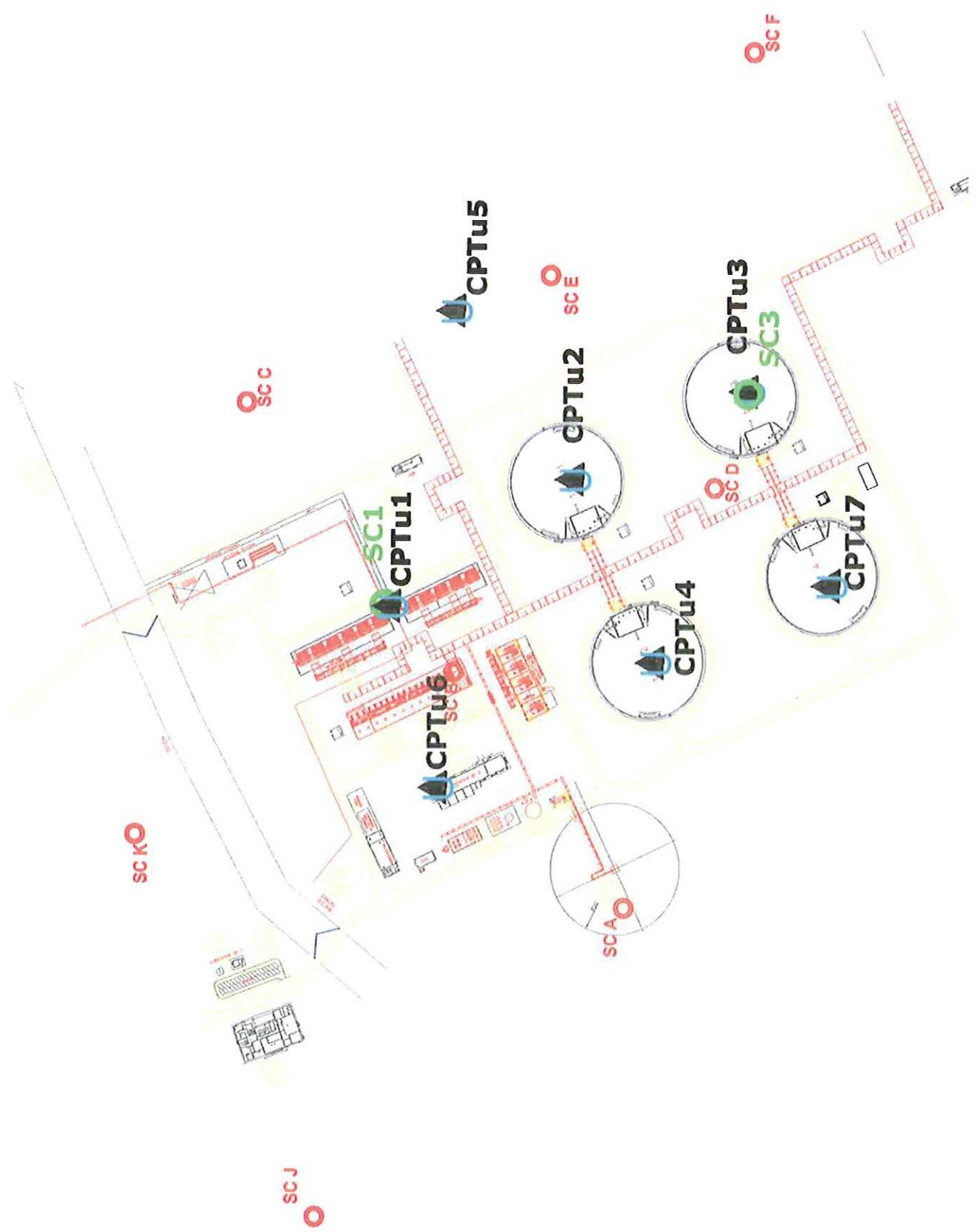


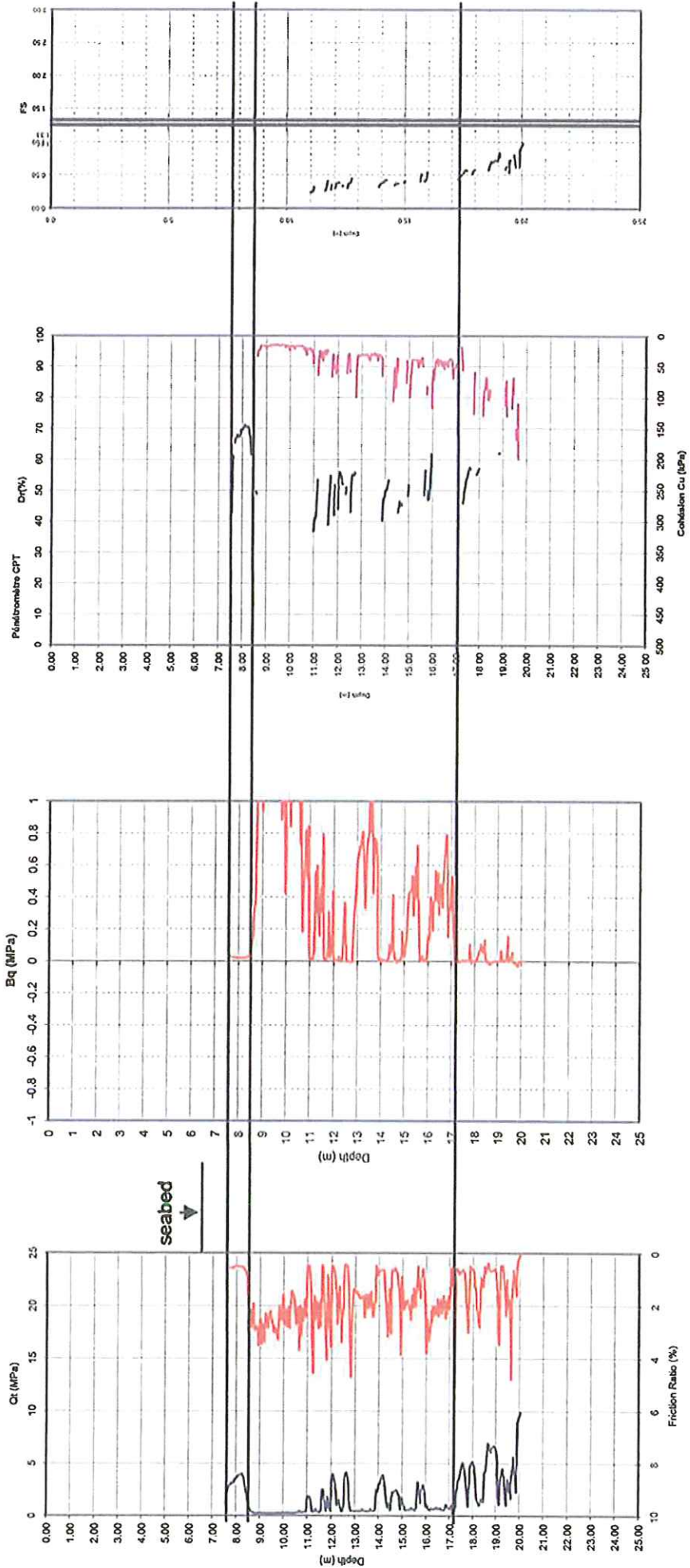
## Annexe 4 : Interprétation des sondages au pénétromètre statique



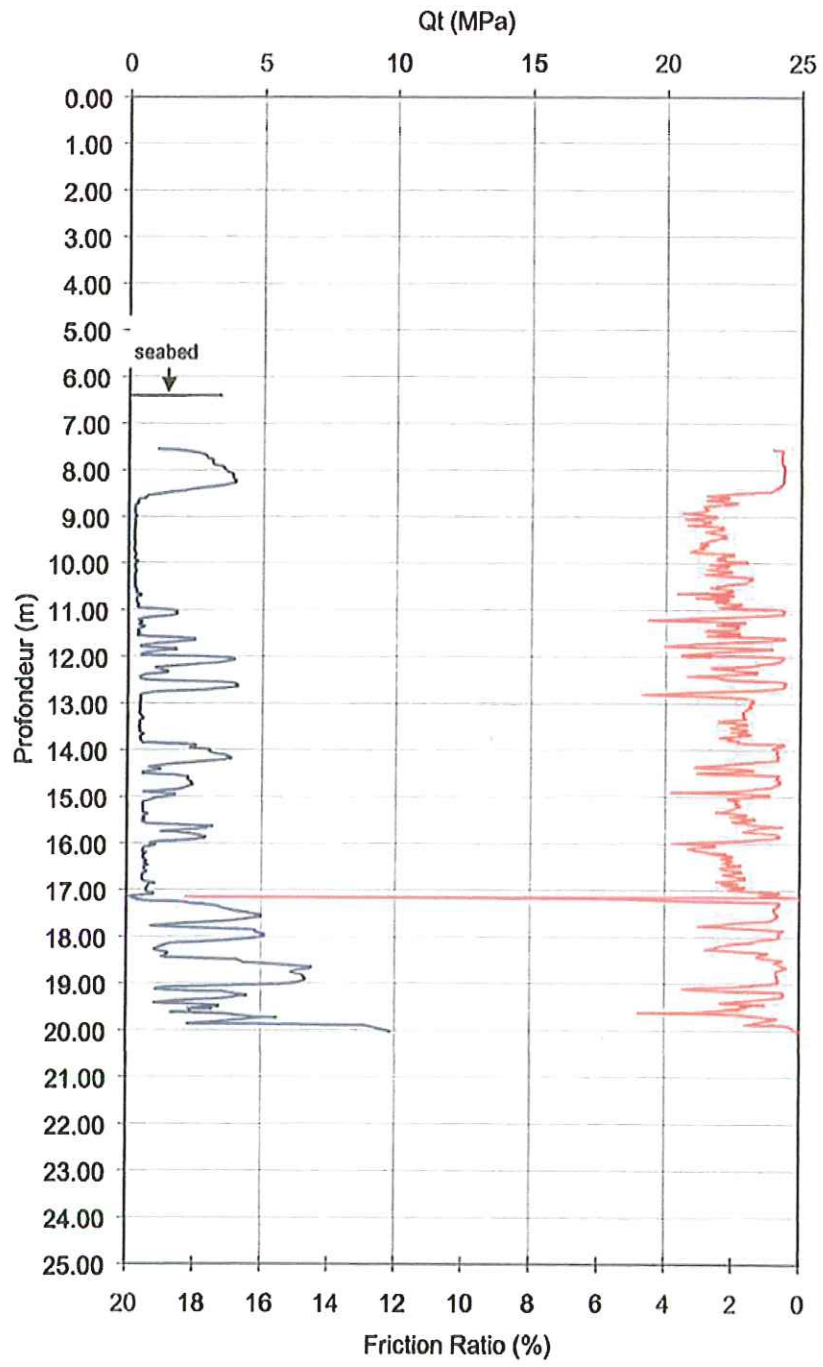
Pénétromètre CPT

Penetrometer CPTU 1

Coefficient de sécurité à la liquéfaction  
a m = 0.21g

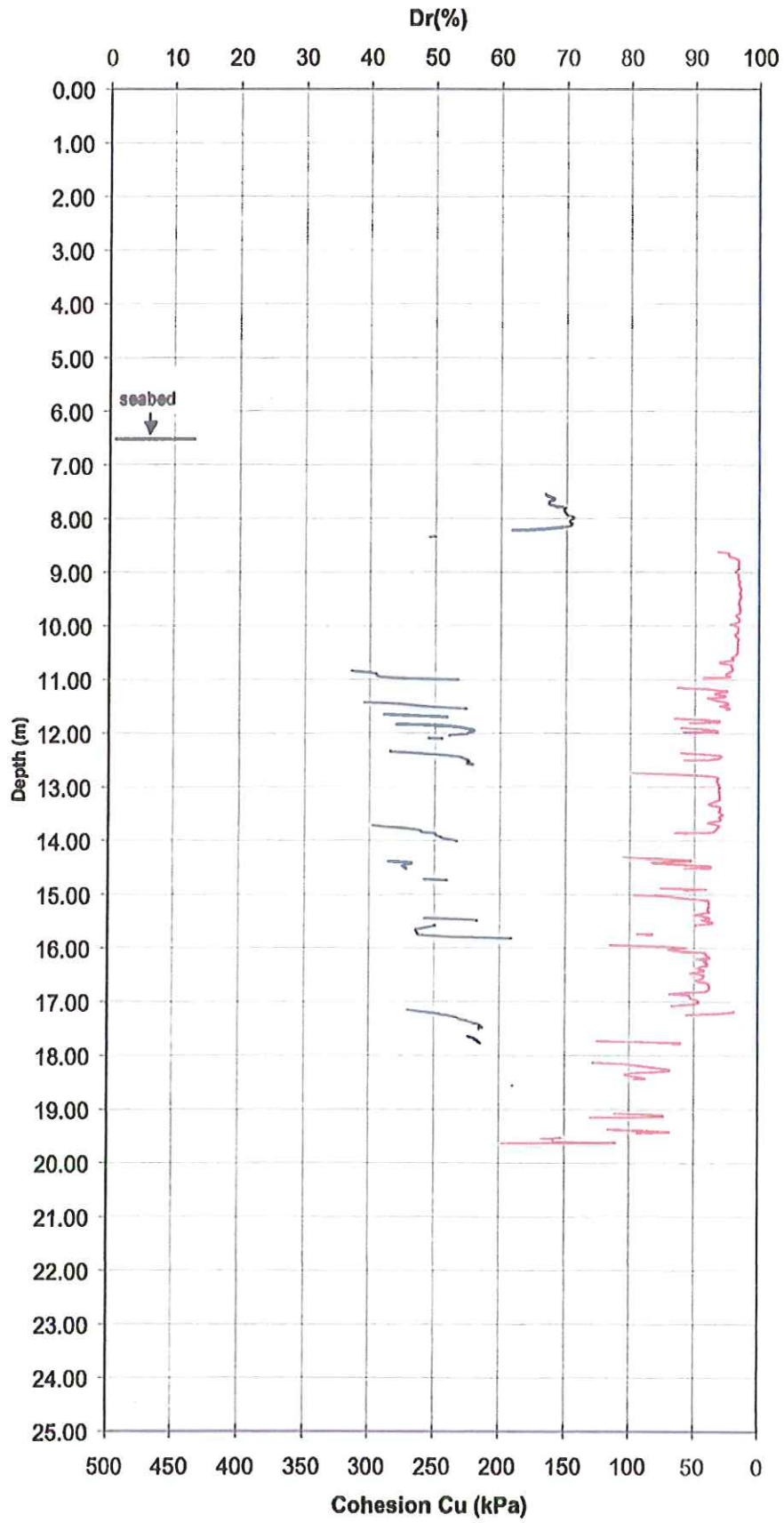


# Penetrometer CPTU 1

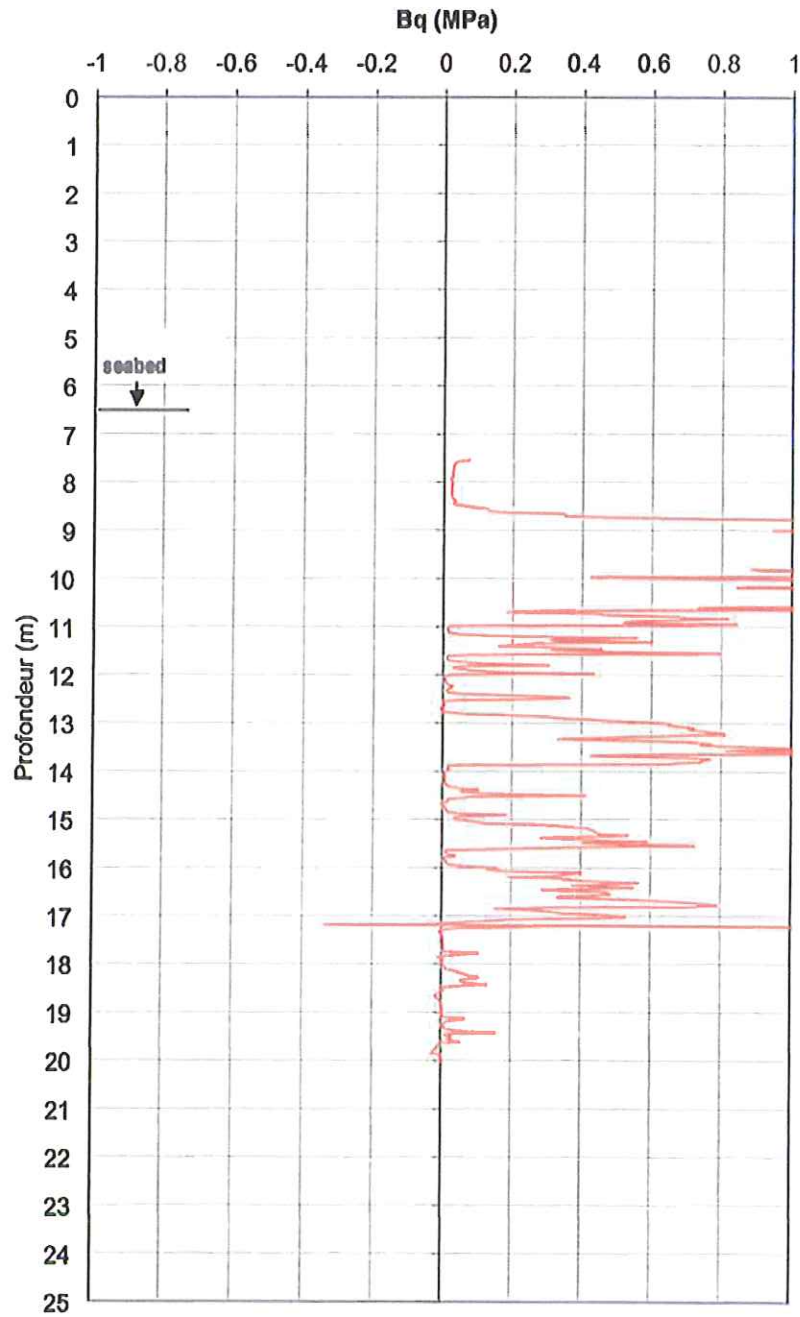




# Penetrometer CPTu 1

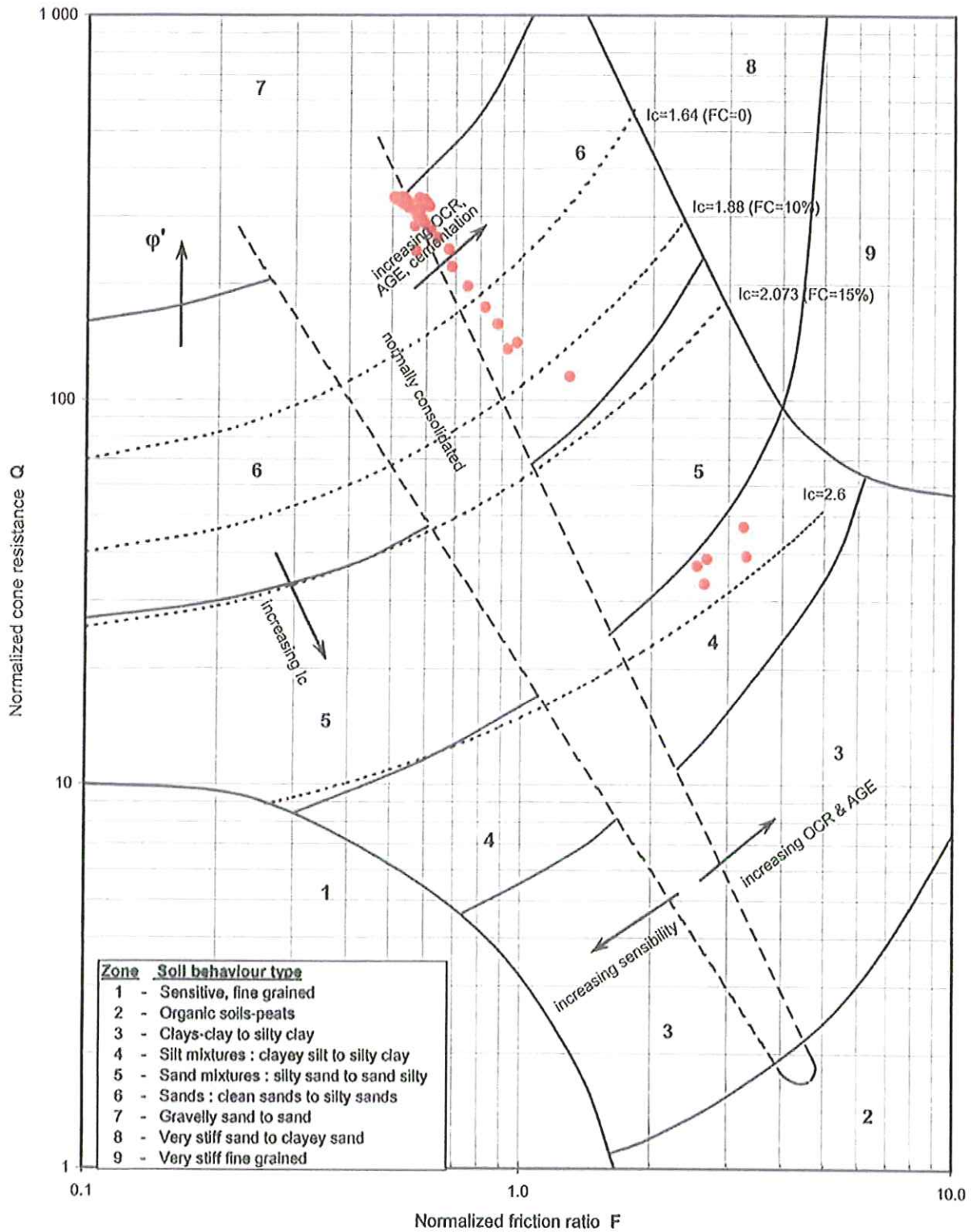


# Penetrometer CPTU 1



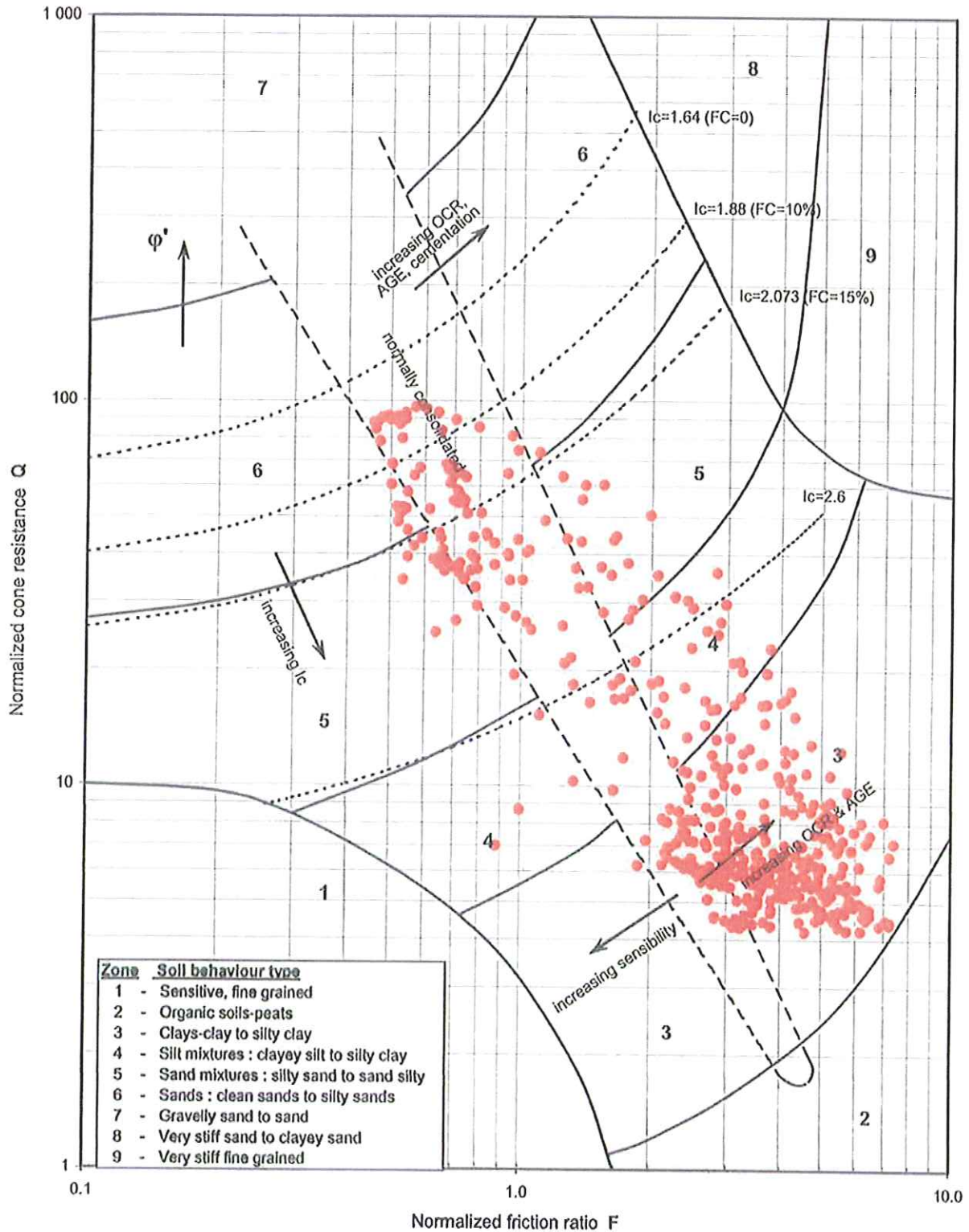


## Penetrometer CPTU 1 between 7.4 et 8.6 m depth / sea level

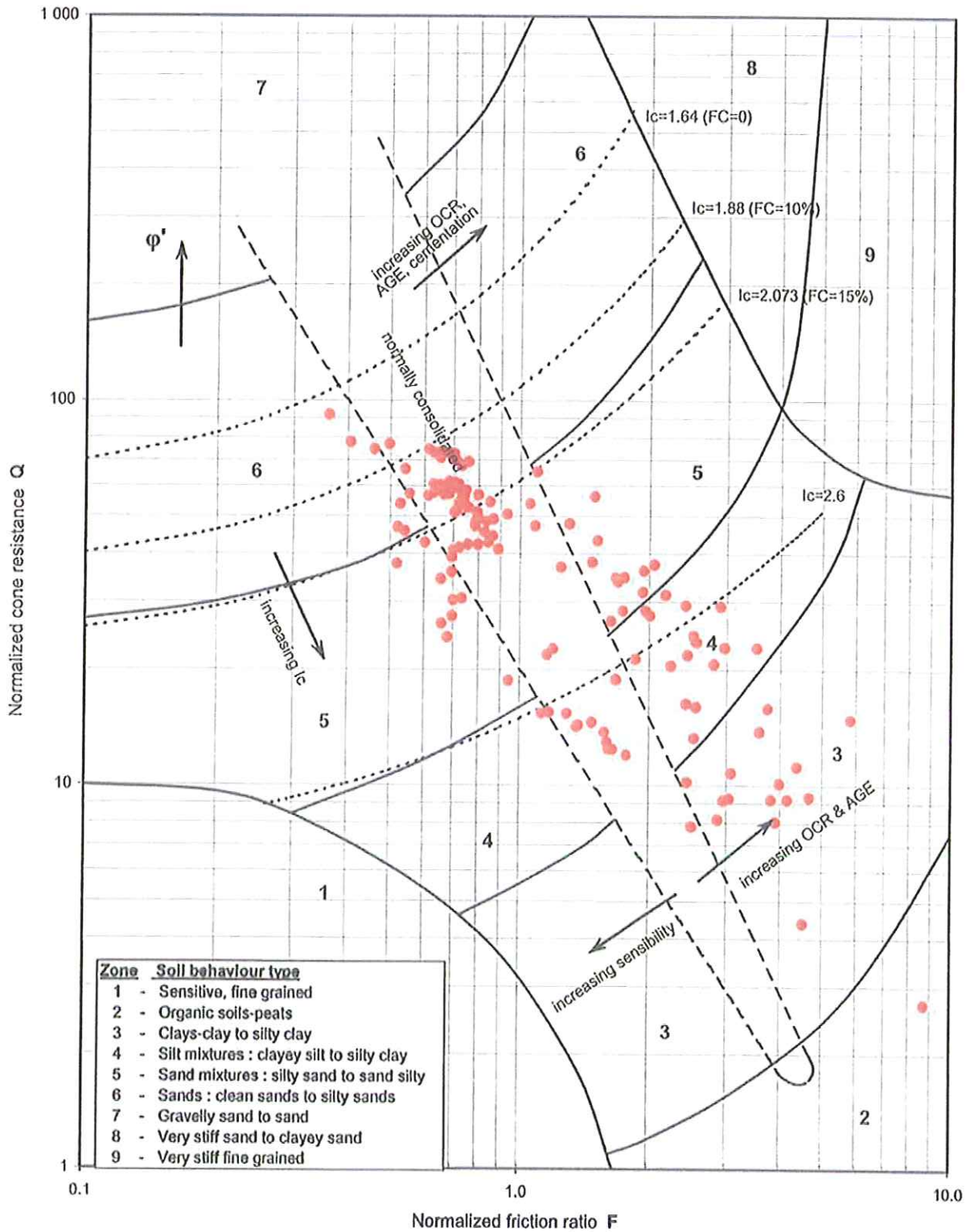




## Penetrometer CPTU 1 between 8.6 et 17.2 m depth / sea level



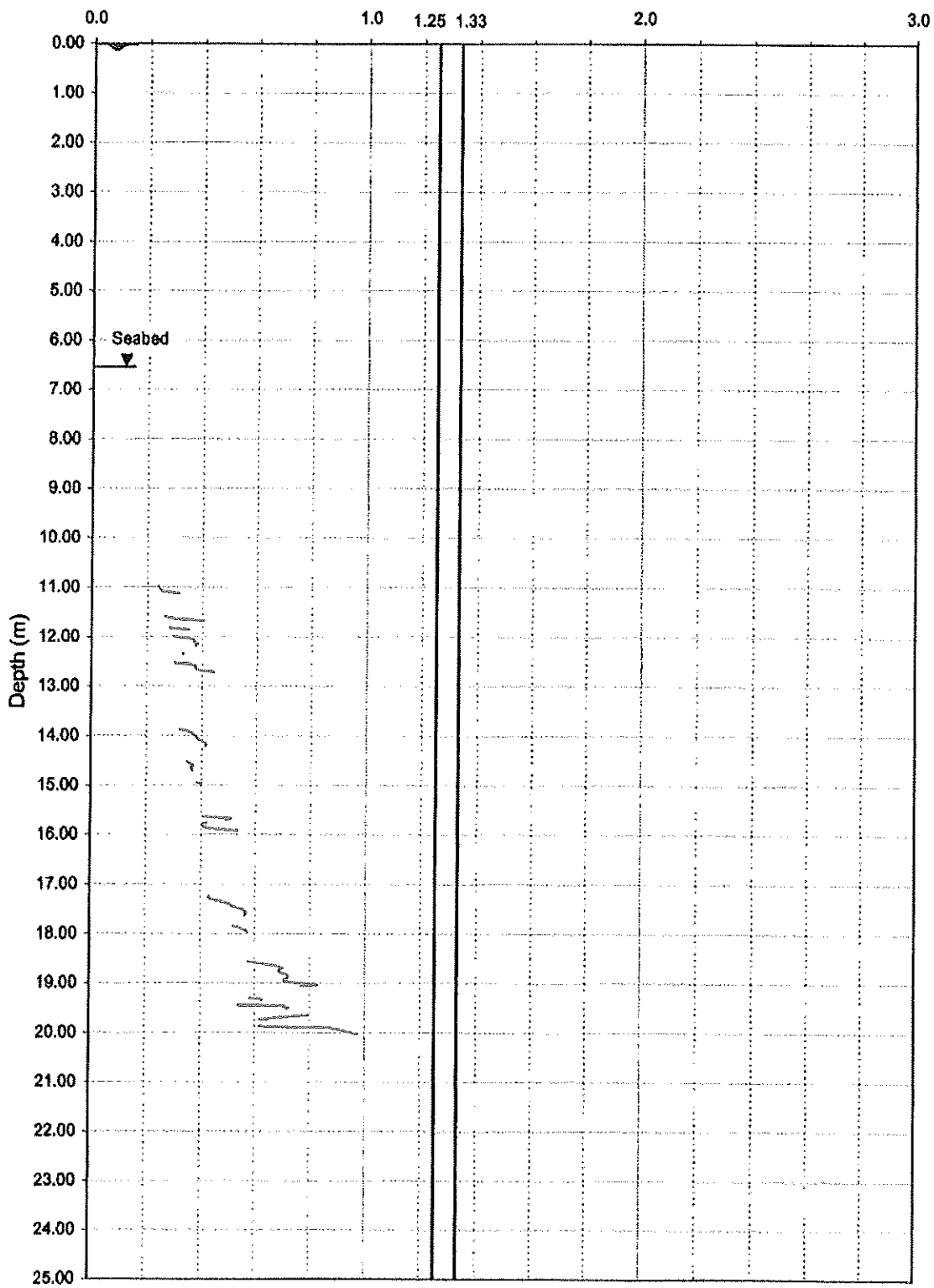
## Penetrometer CPTU 1 between 17.2 et 20.1 m depth / sea level





safety factor against liquefaction  
Penetrometer CPTu 1  
am = 0.21 g

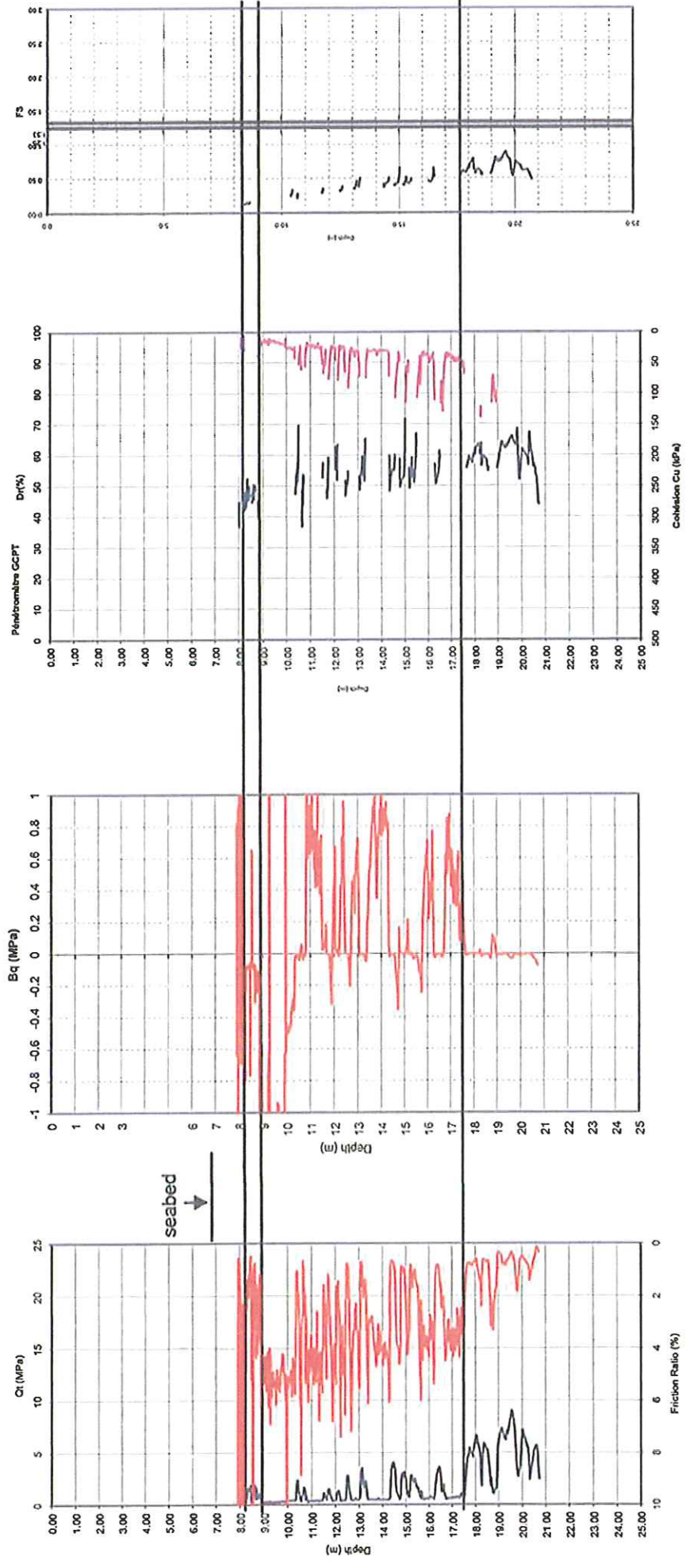
FS



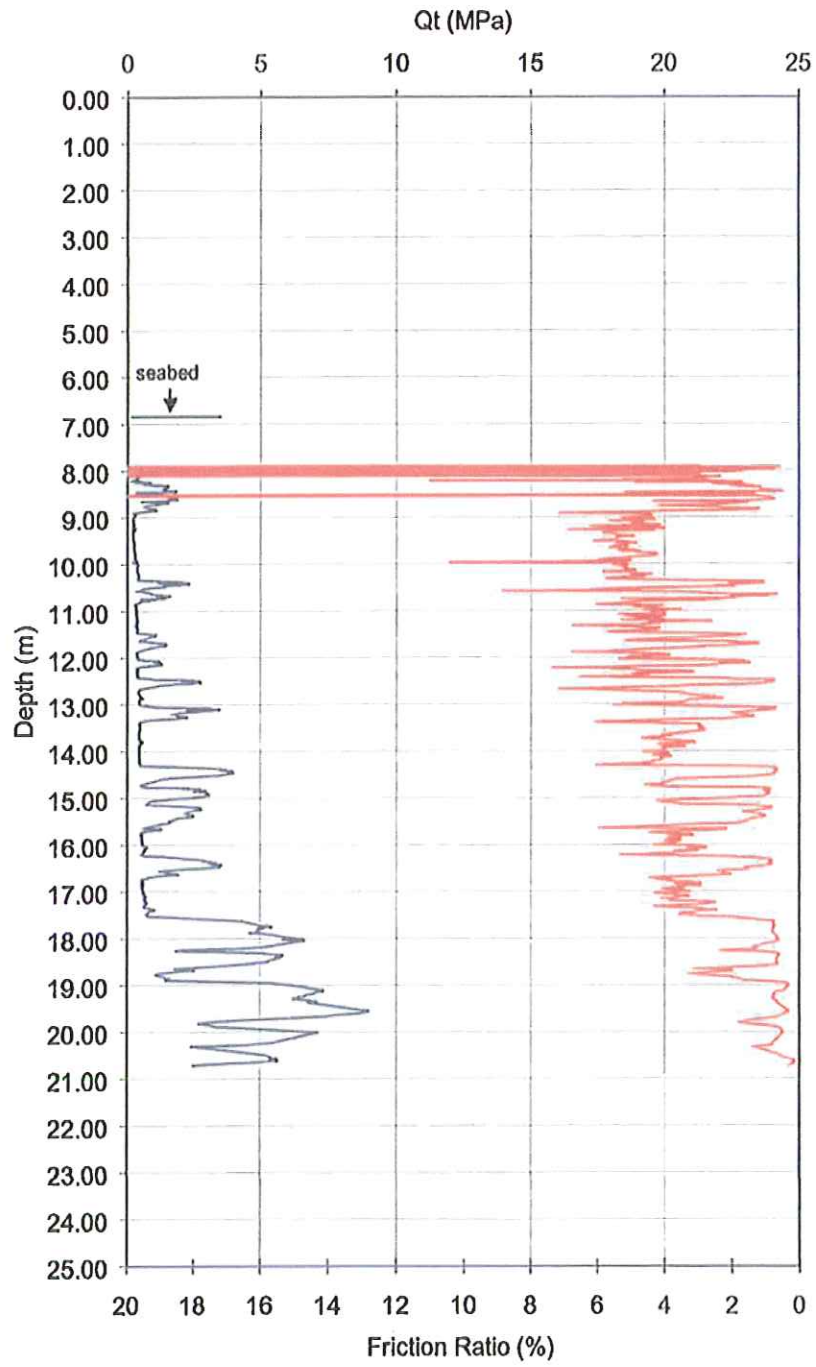
# Penetrometer CPTu 2

# Pénétromètre CPT

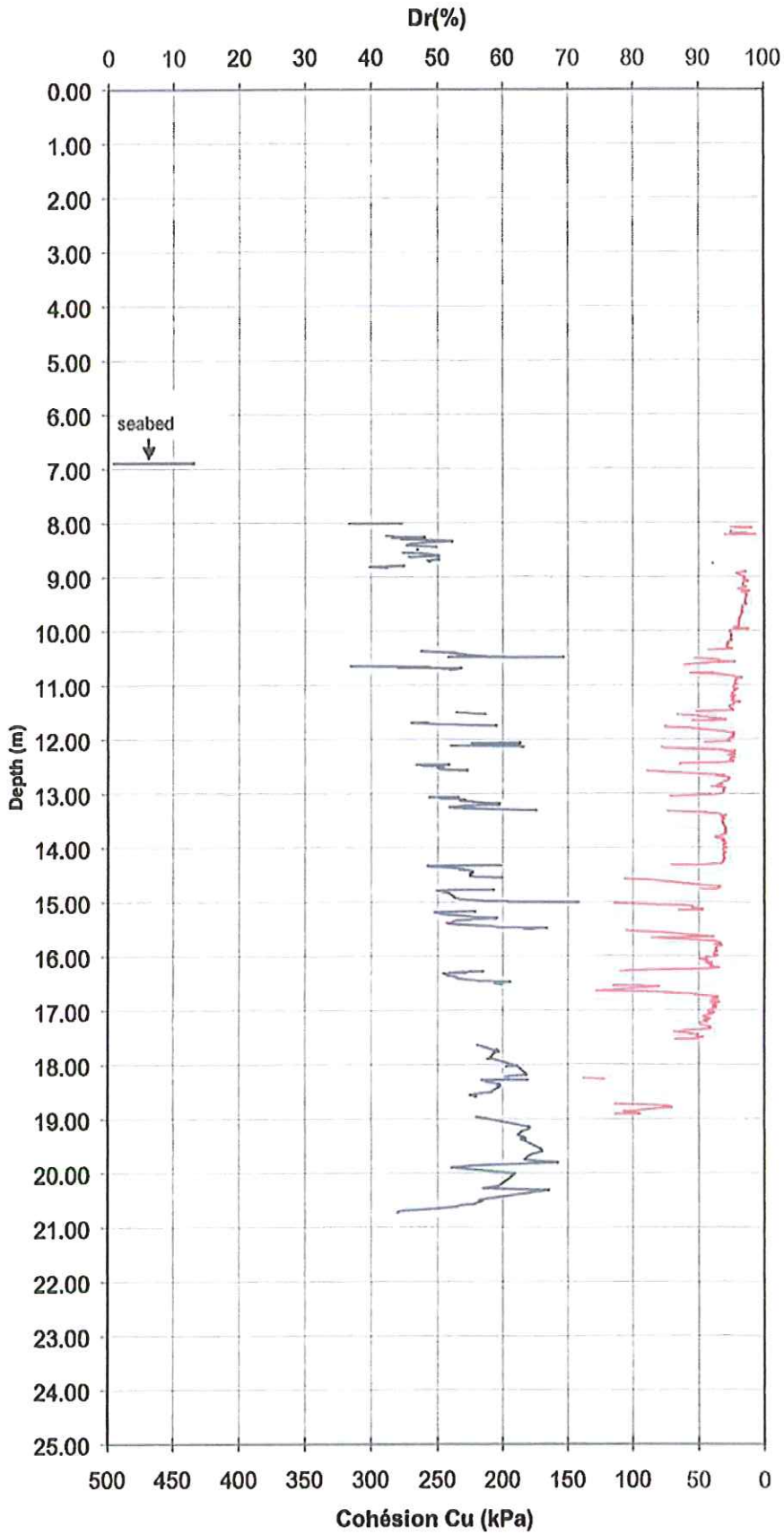
Coefficient de sécurité à la liquéfaction  
a m e 0.21g



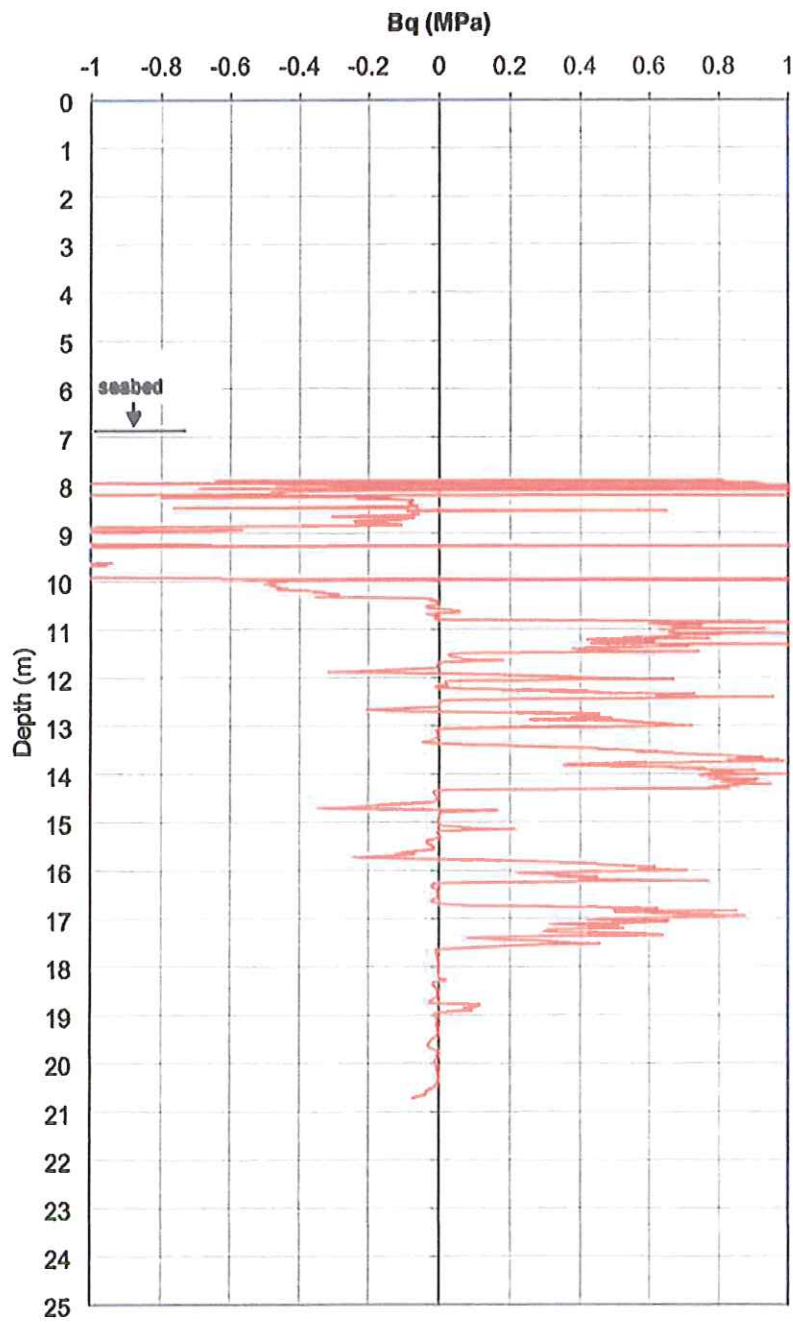
# Penetrometer CPTu 2



### Penetrometer CPTu 2

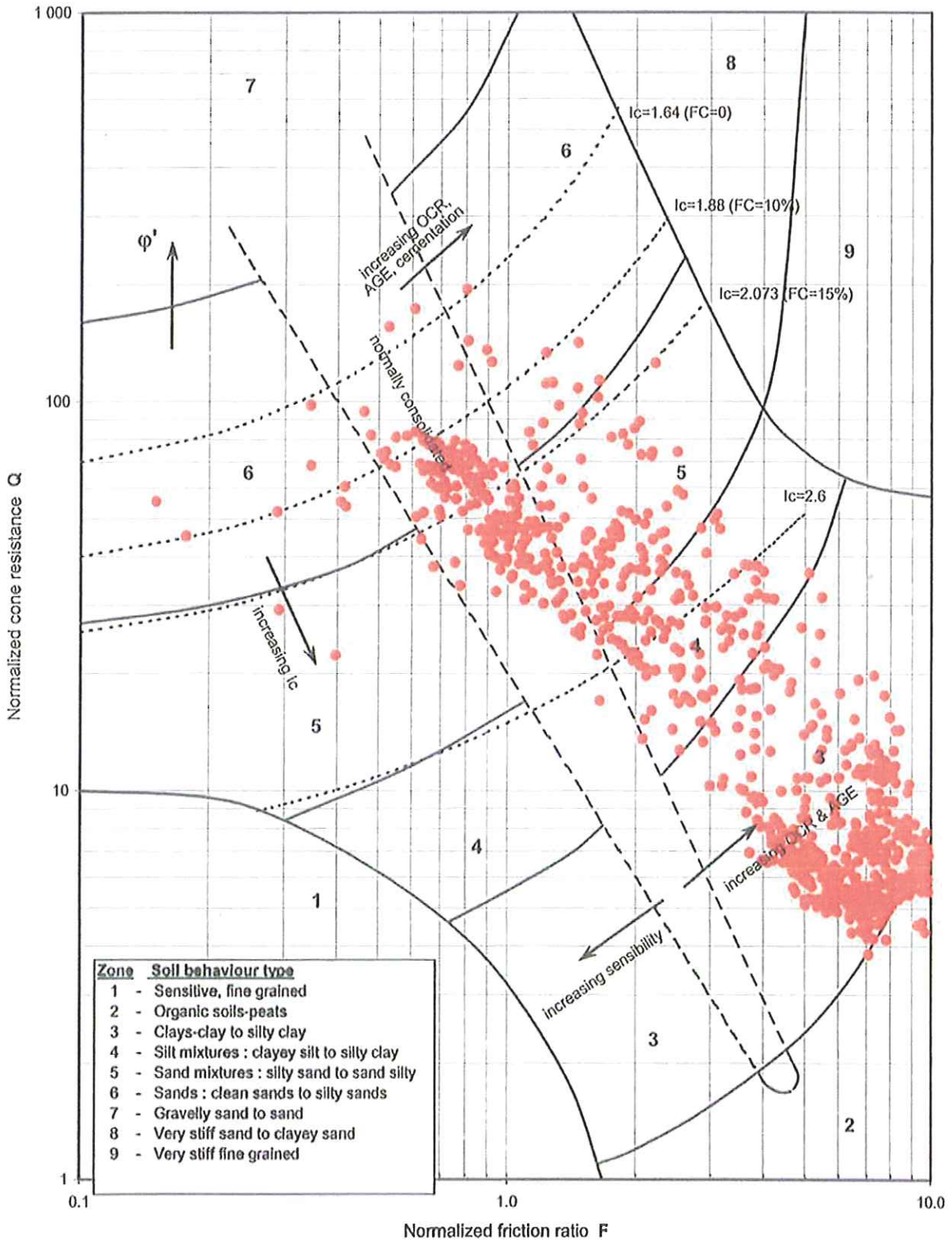


# Penetrometer CPTu 2



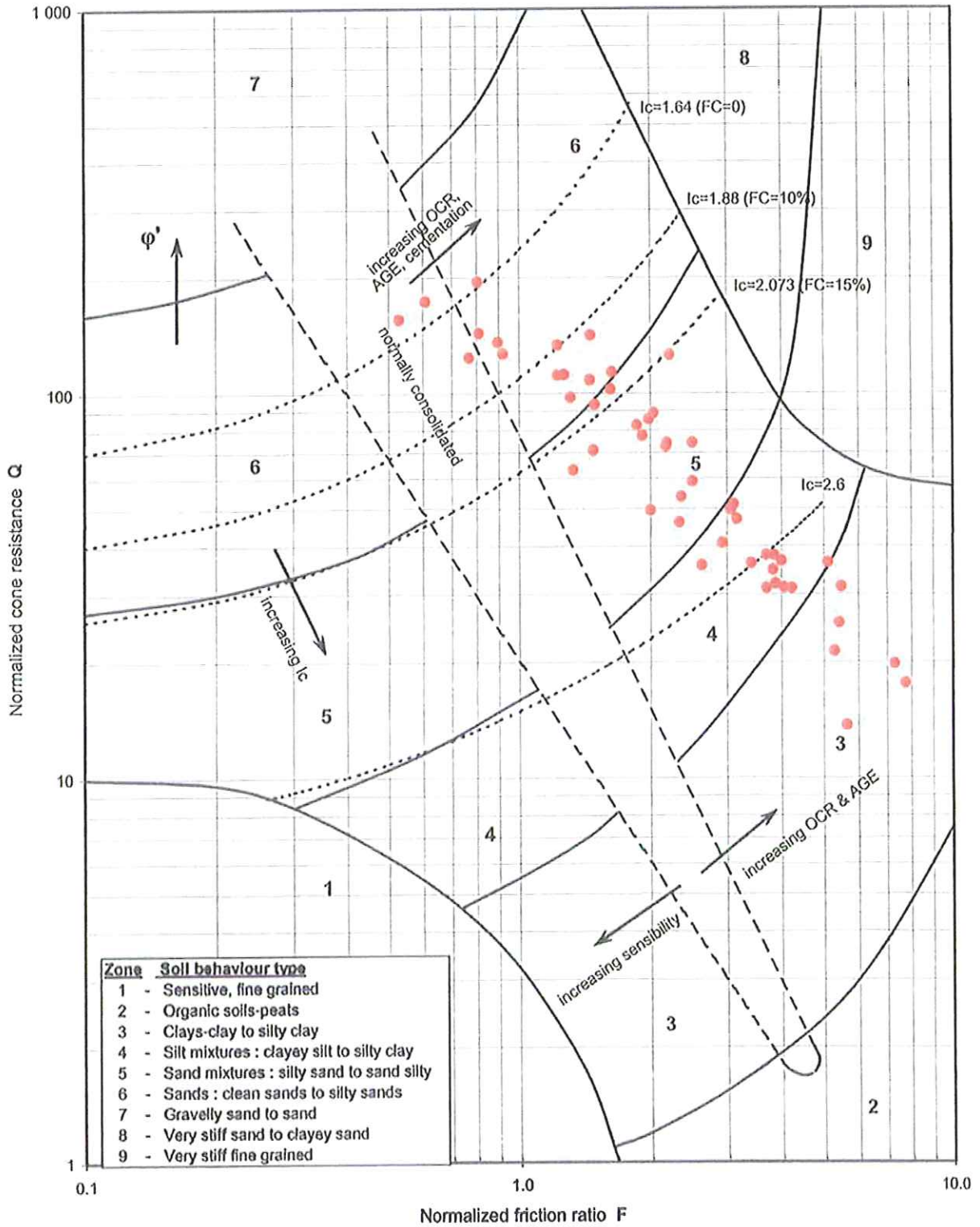


## Penetrometer CPTu 2

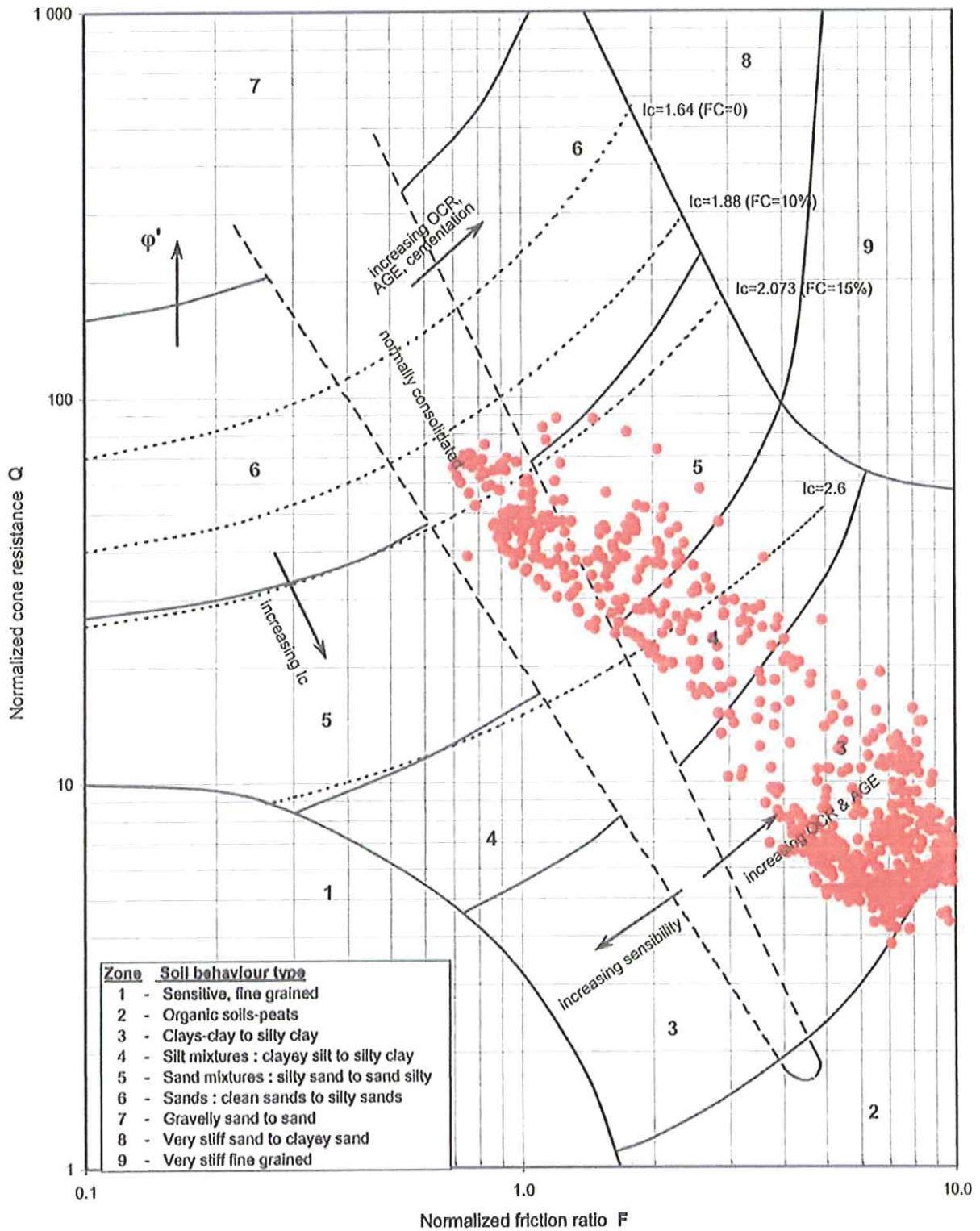




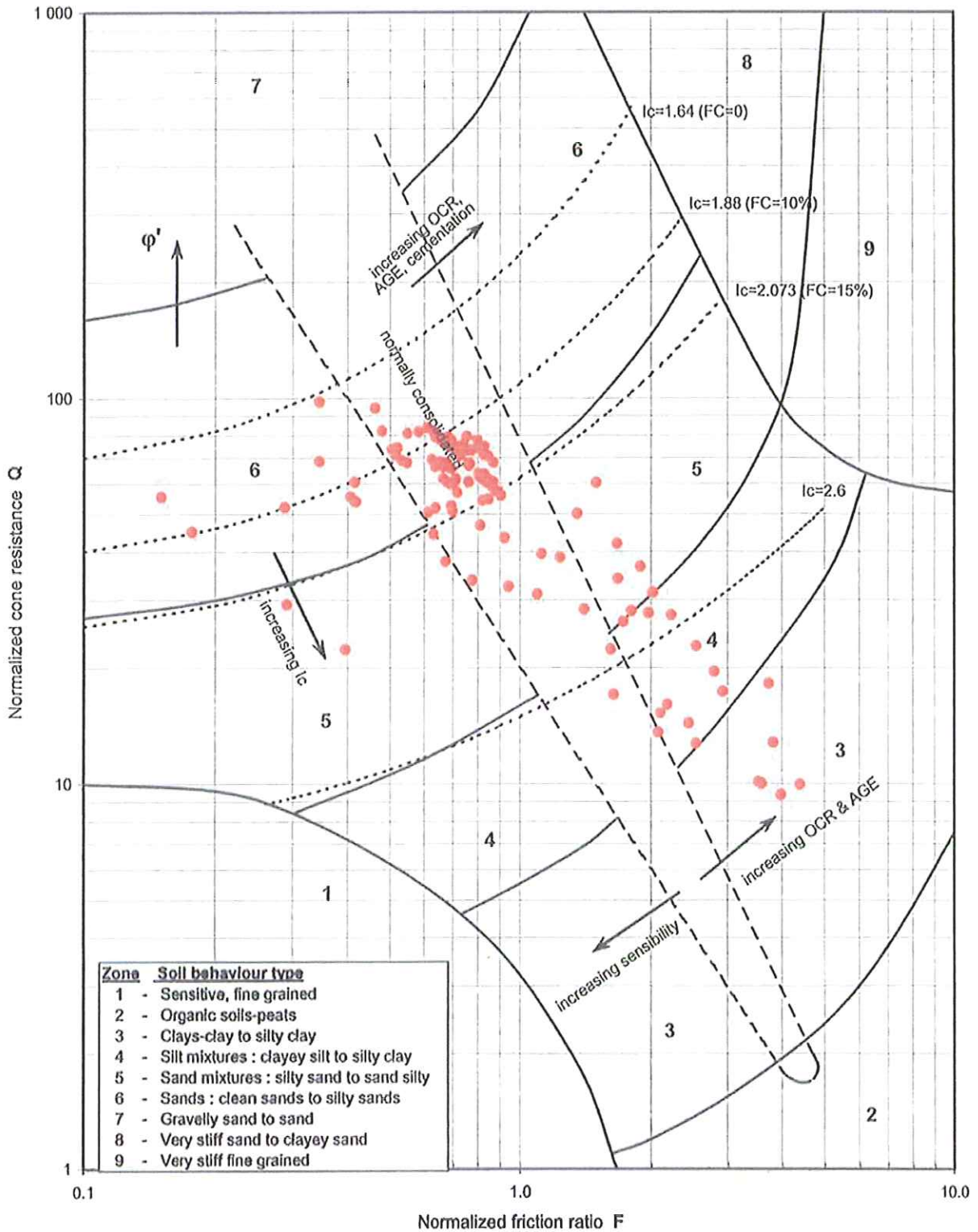
## Penetrometer CPTu 2 between 7.95 et 8.75m depth / sea level



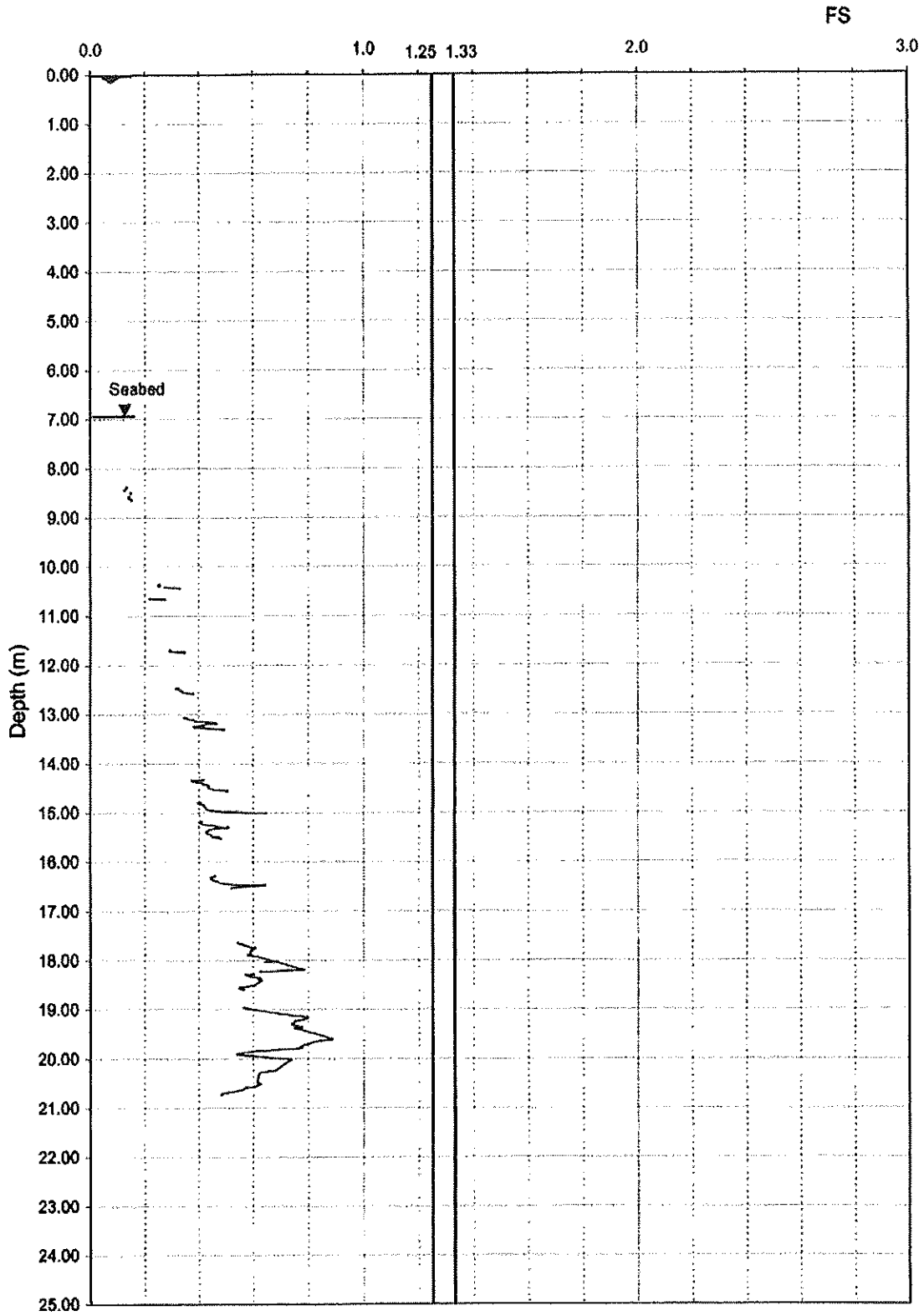
## Penetrometer CPTu 2 between entre 8.75 et 17.55 m depth / sea level



## Penetrometer CPTu 2 between entre 17.55 et 19.55 m depth / sea level



safety factor against liquefaction  
Penetrometer CPTu 2  
am = 0.21 g

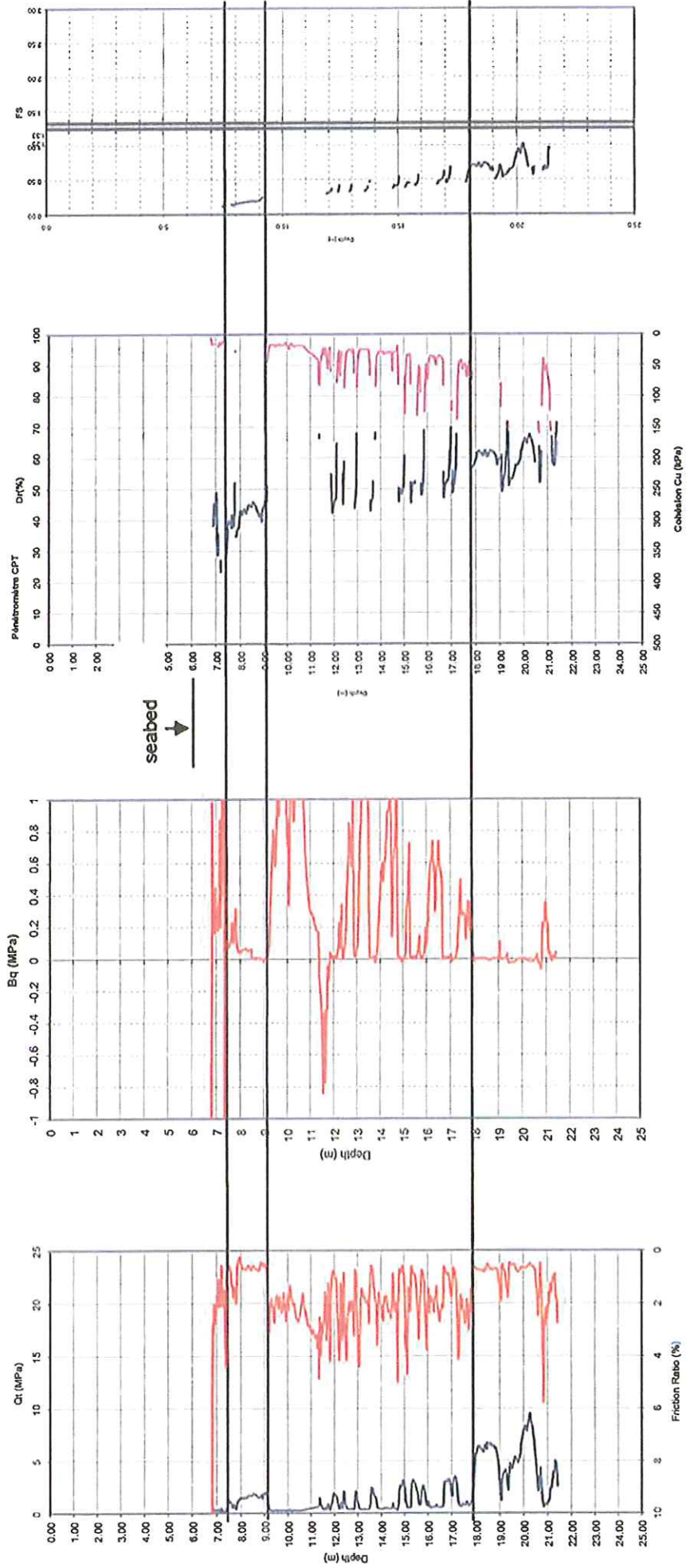




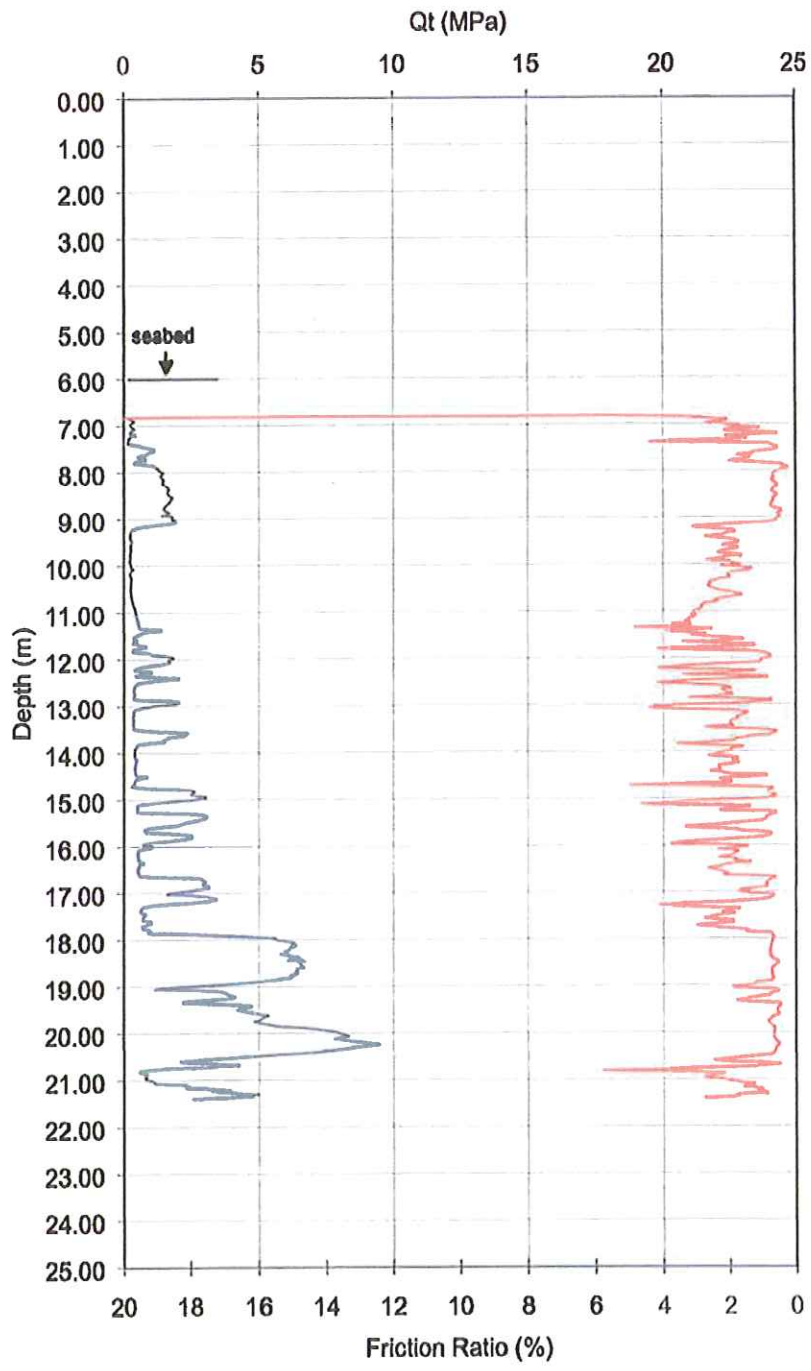
### Penetrometer CPTu 3b

### Pénétrômetre CPT

Coefficient de sécurité à la liquéfaction  
 $\alpha_m = 0.21g$

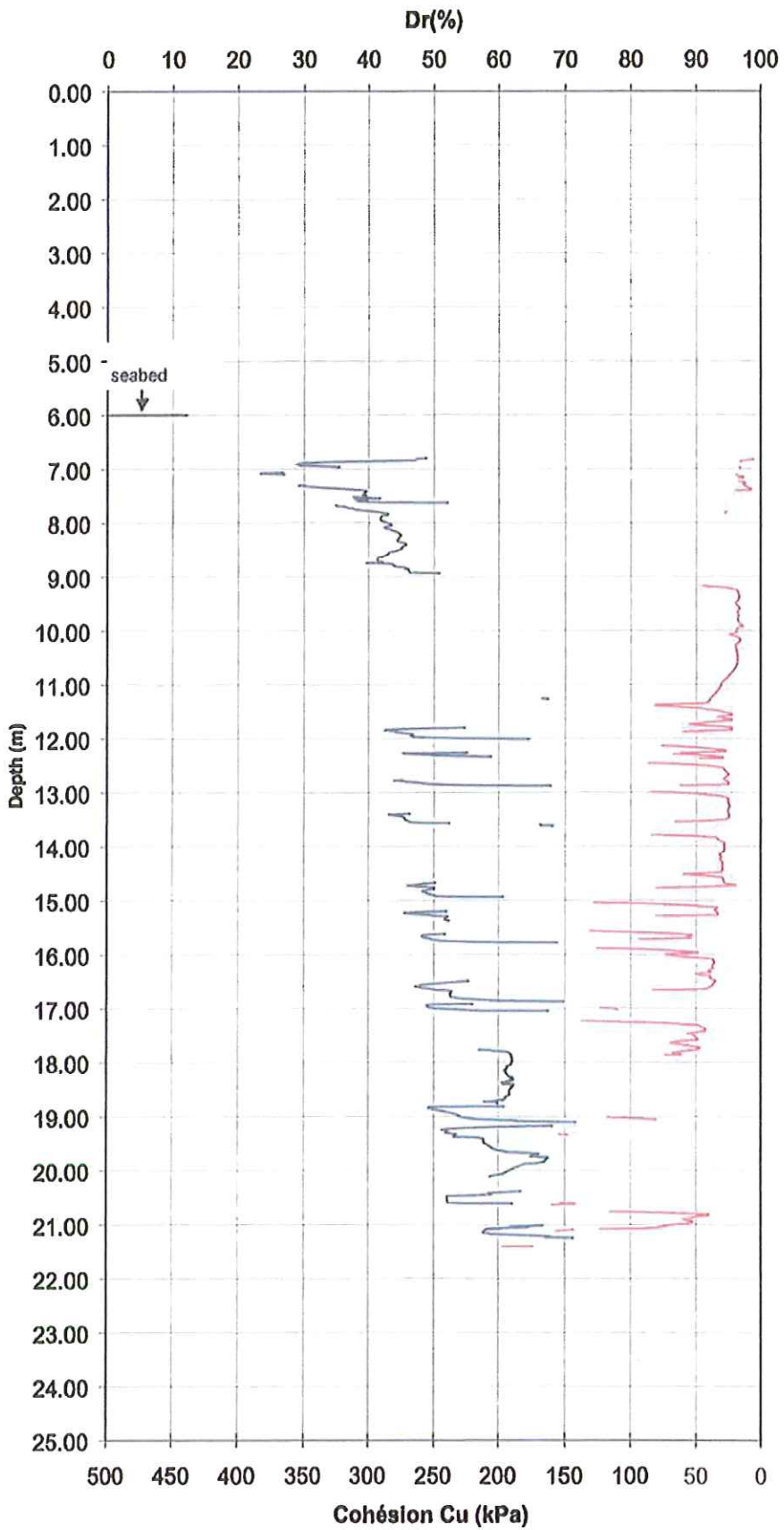


# Penetrometer CPTu 3b

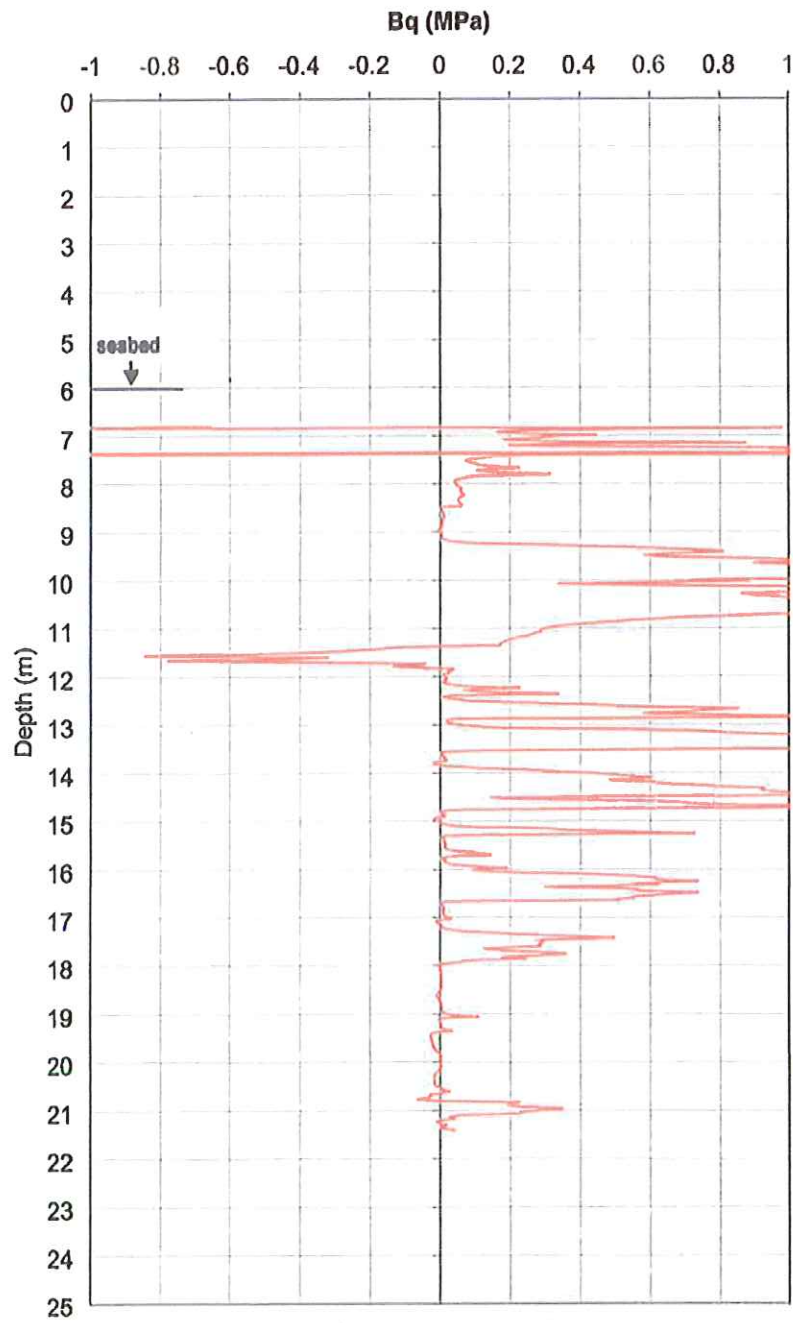




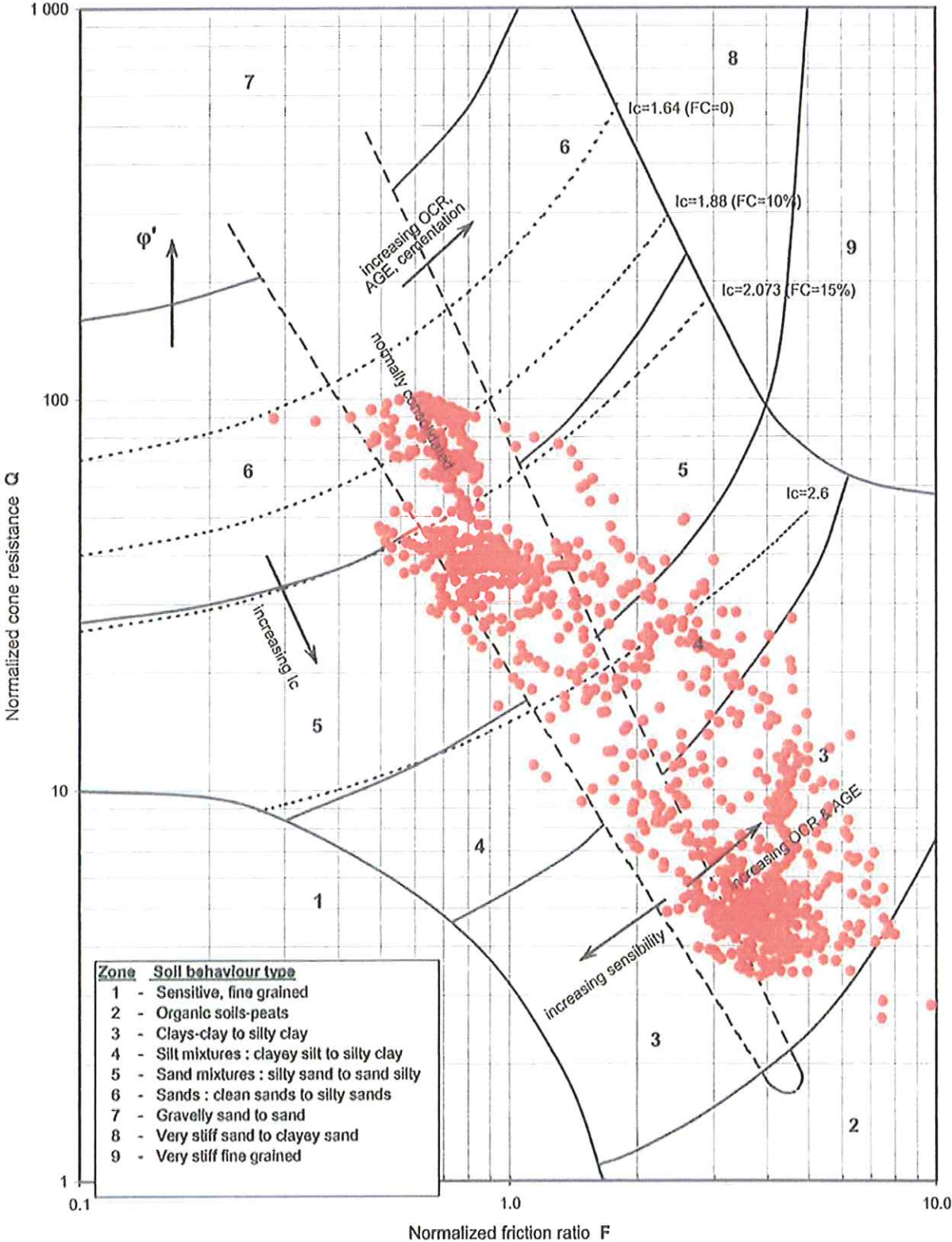
# Penetrometer CPTu 3b



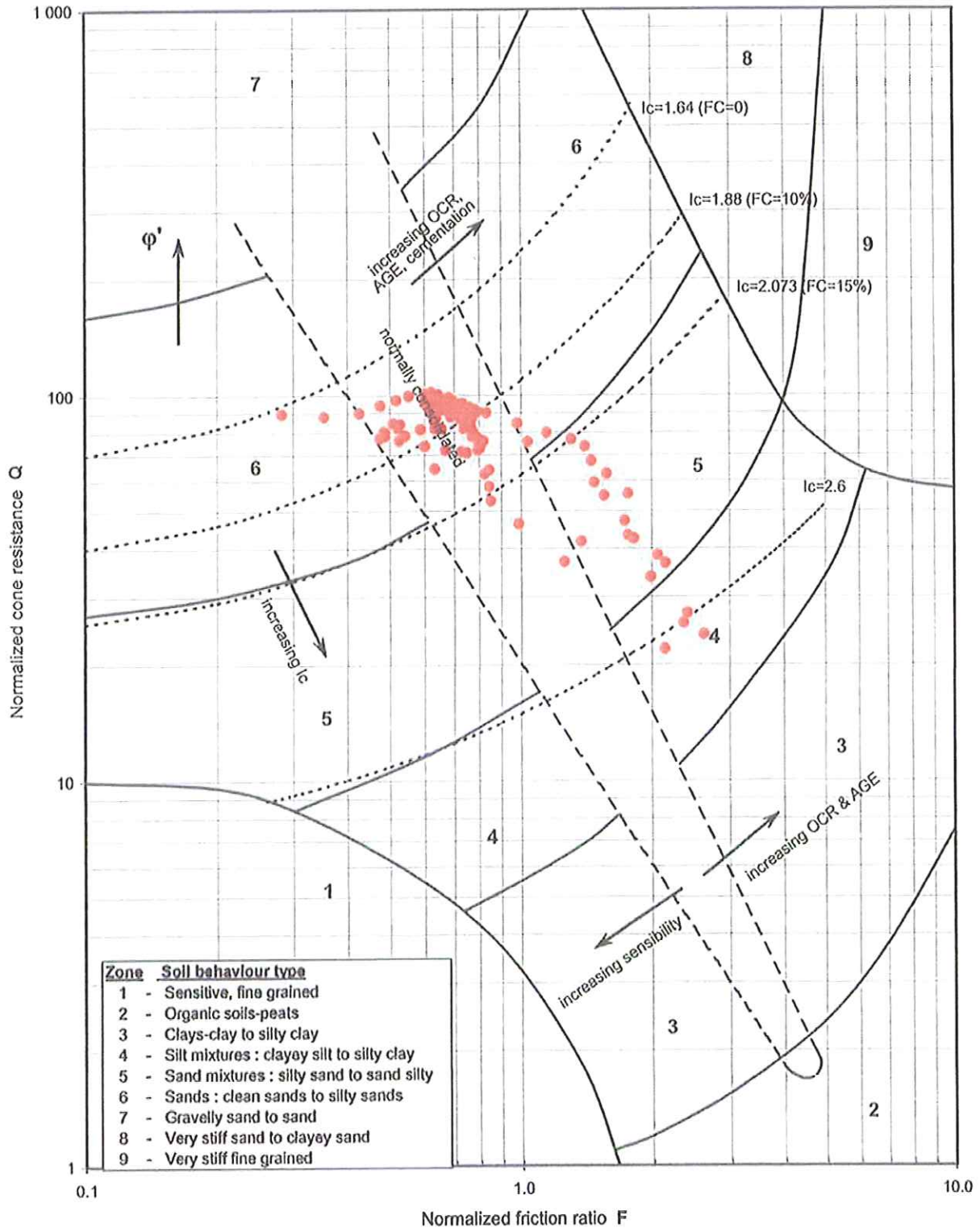
# Penetrometer CPTu 3b



# Penetrometer CPTu 3b

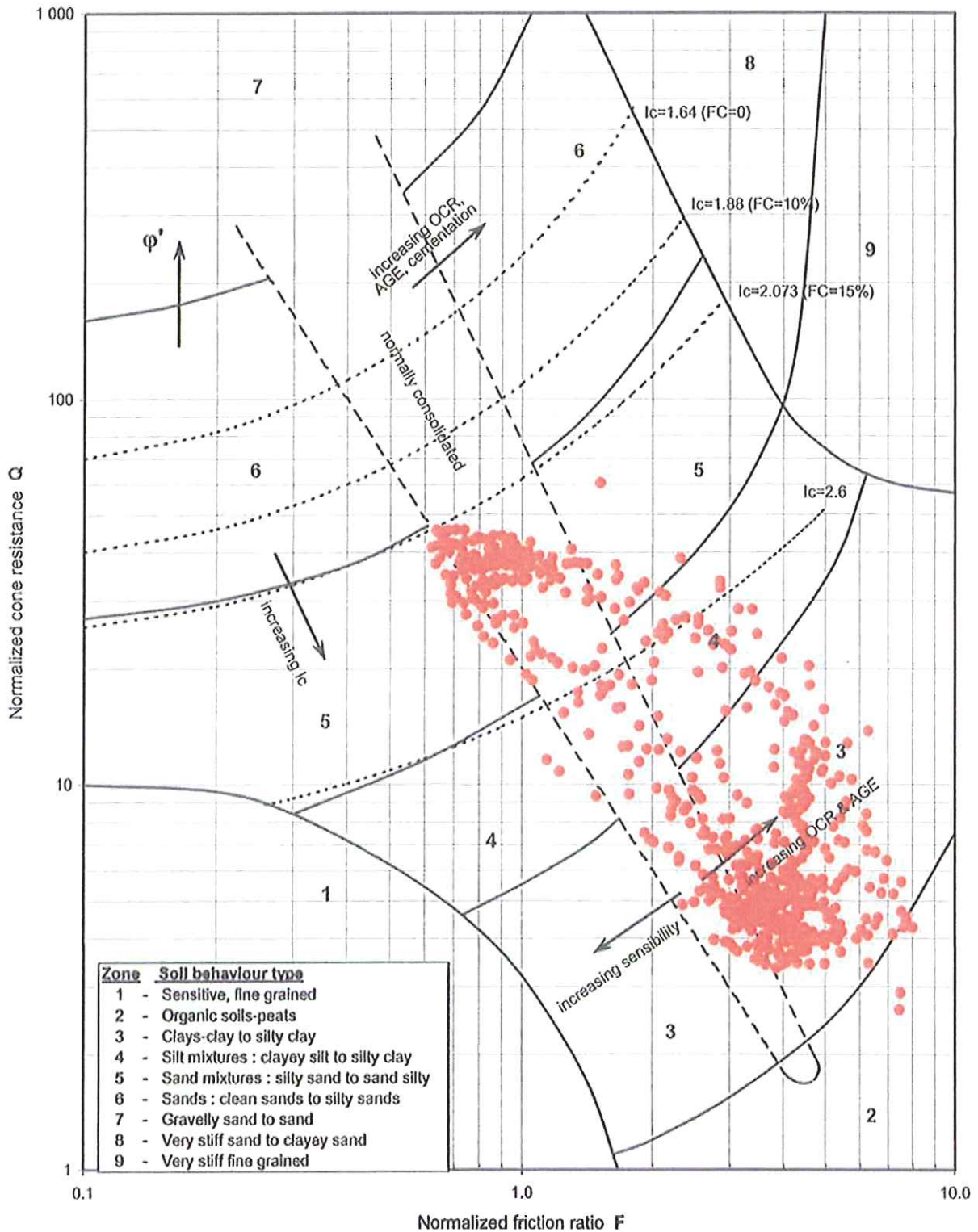


## Penetrometer CPTu 3b between 7.4 et 9.1m depth / sea level

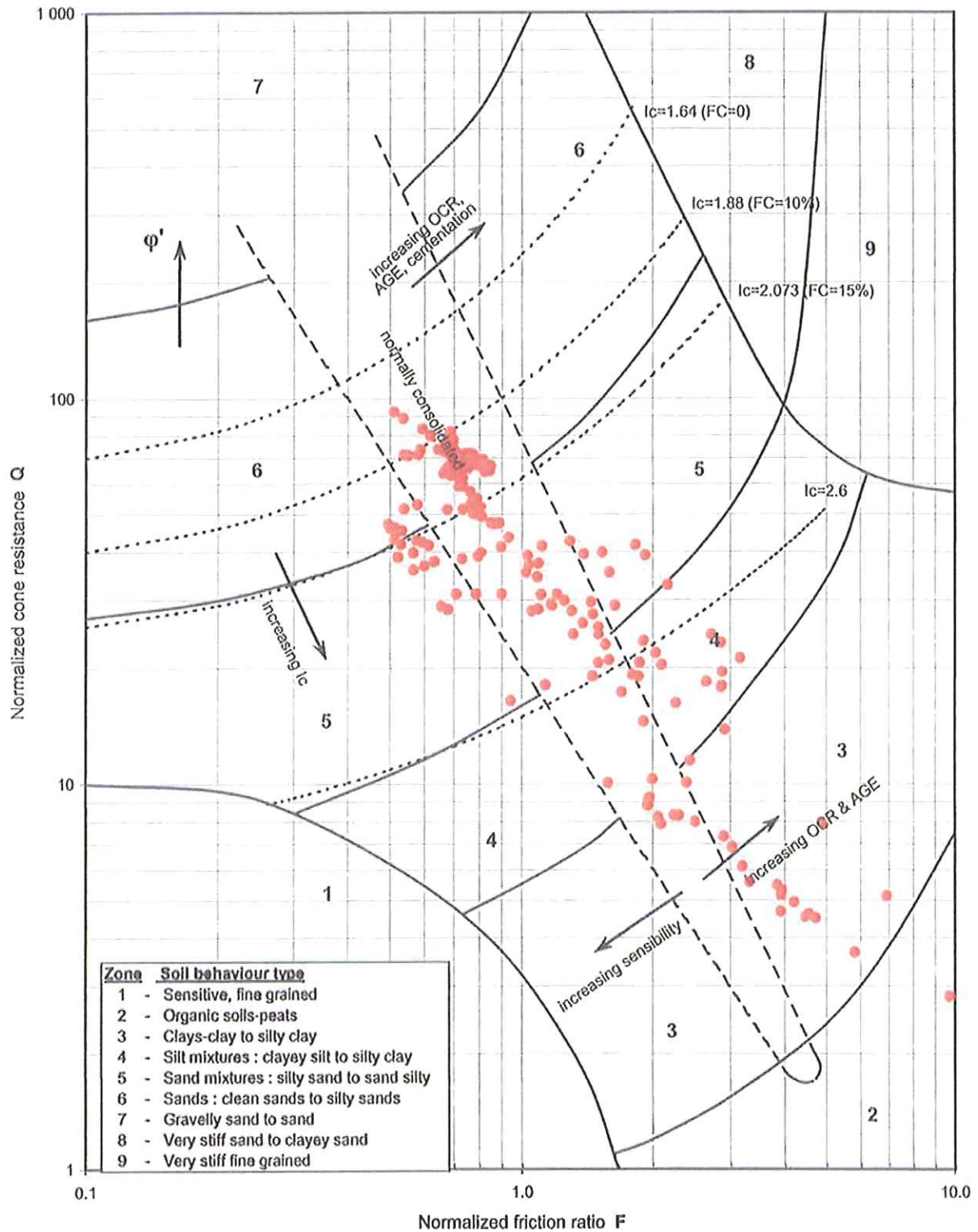




## Penetrometer CPTu 3b between 9.1 et 17.8m depth / sea level



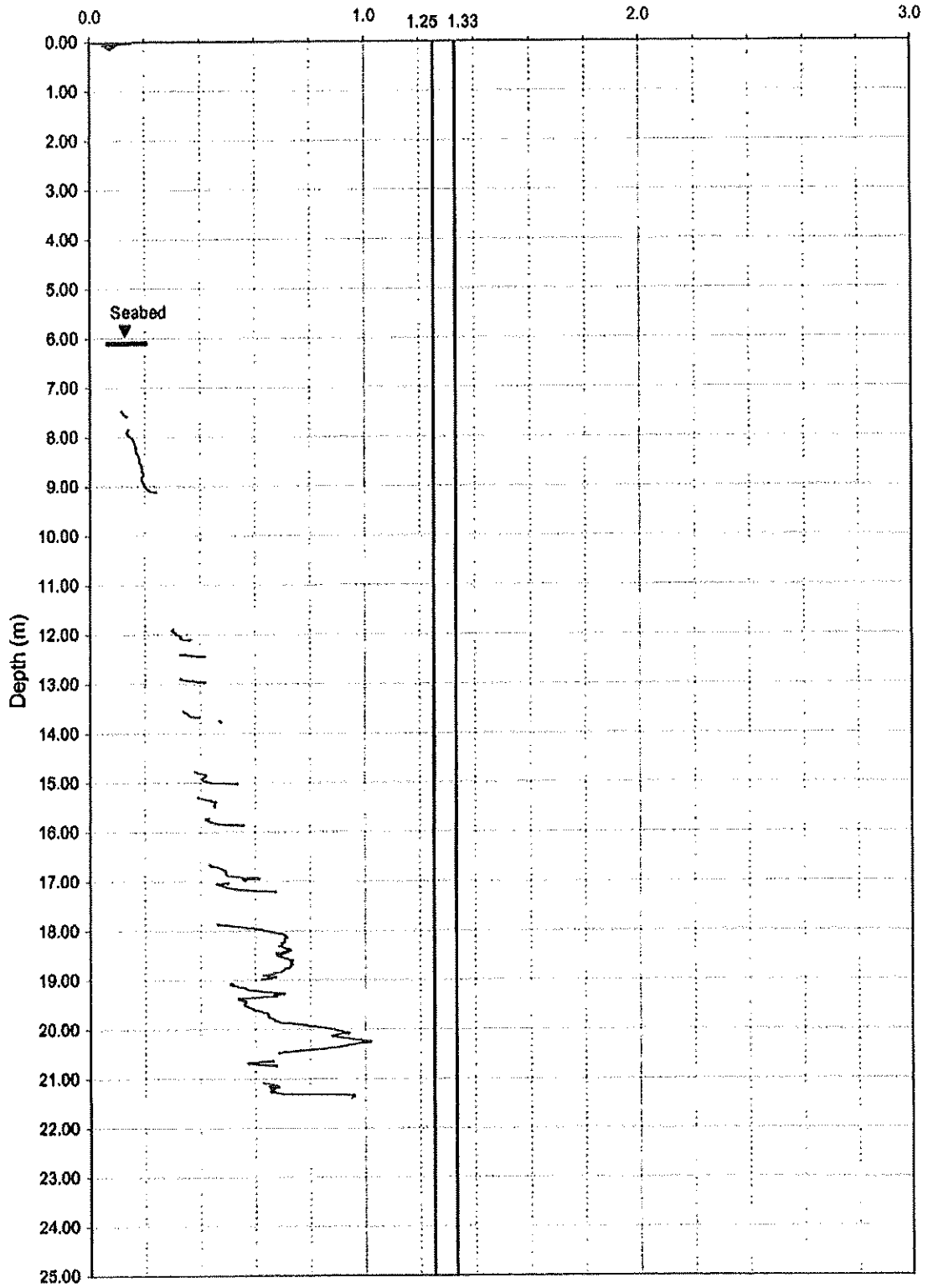
## Penetrometer CPTu 3b between 17.8 et 21.2m depth / sea level





safety factor against liquefaction  
Penetrometer CPTu 3b  
am = 0.21 g

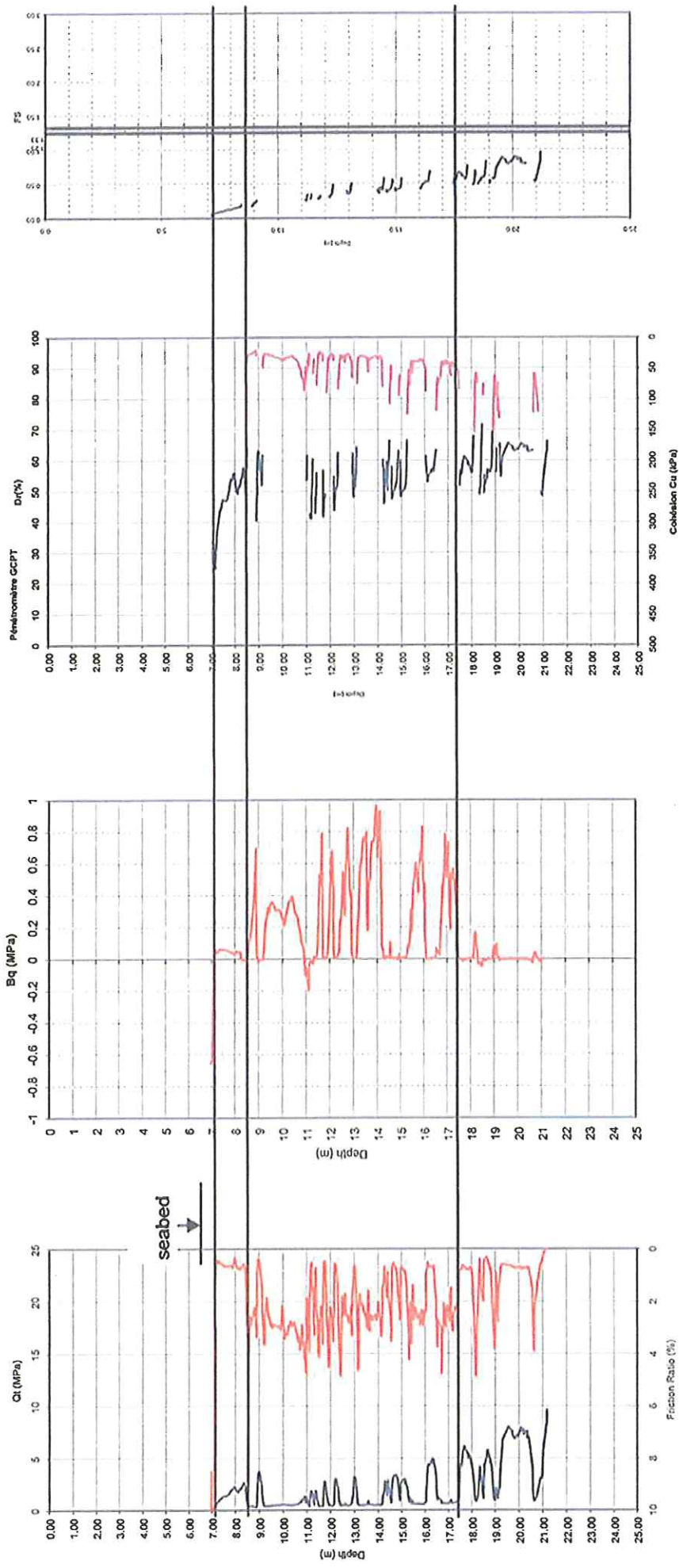
FS



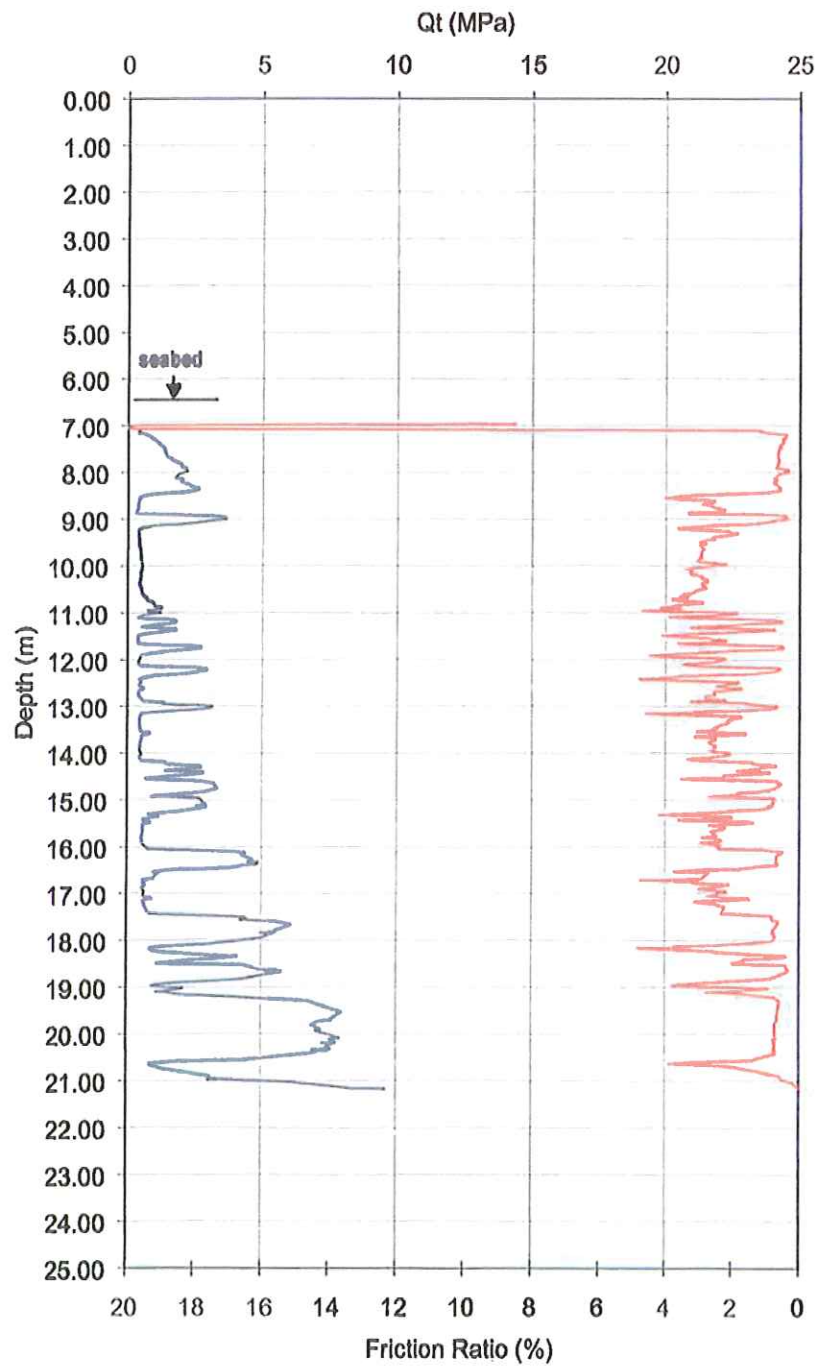
Pénétromètre CPT

Penetrometer CPTu 4

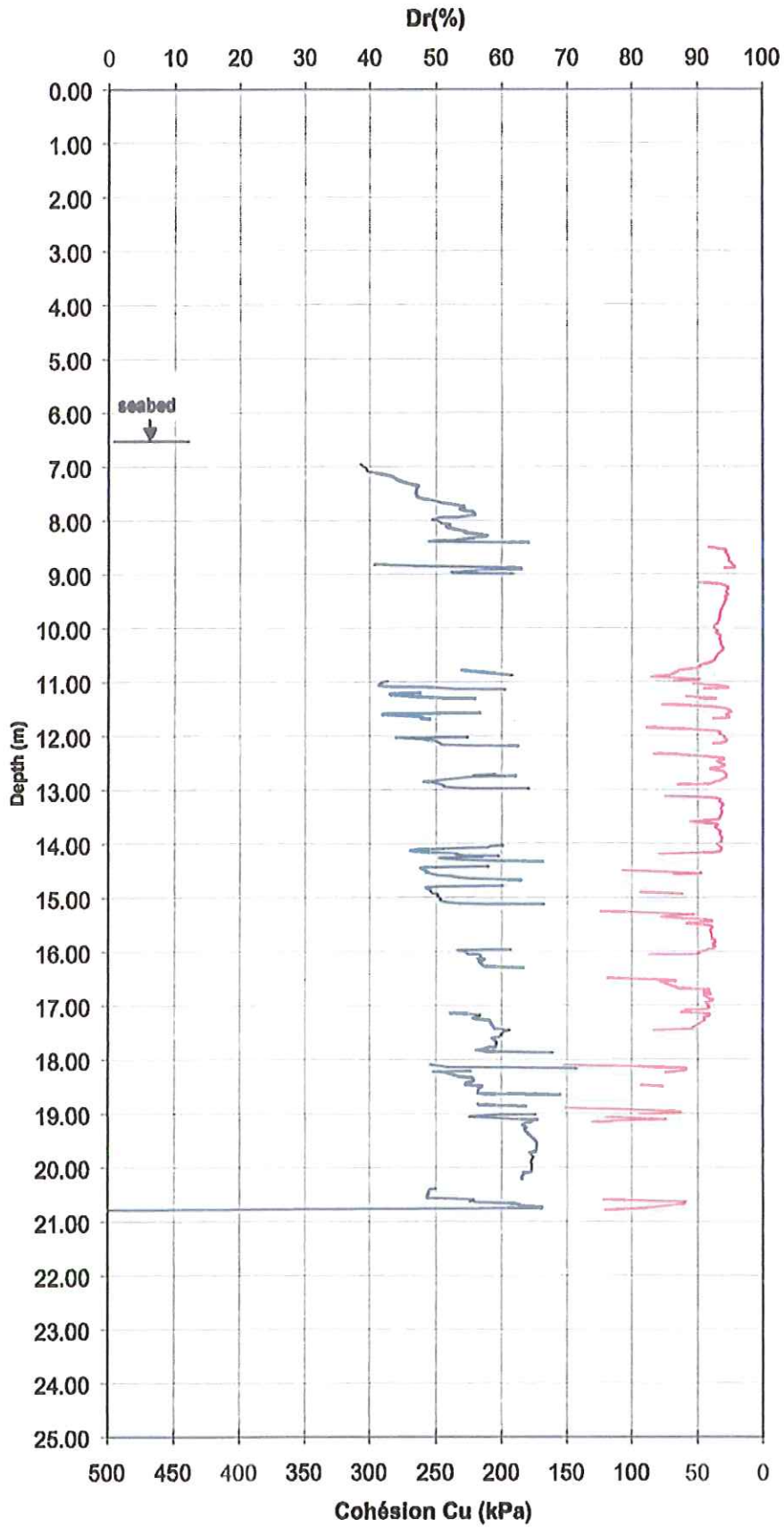
Coefficient de sécurité à la liquéfaction  
 $\alpha = 0.21\sigma$



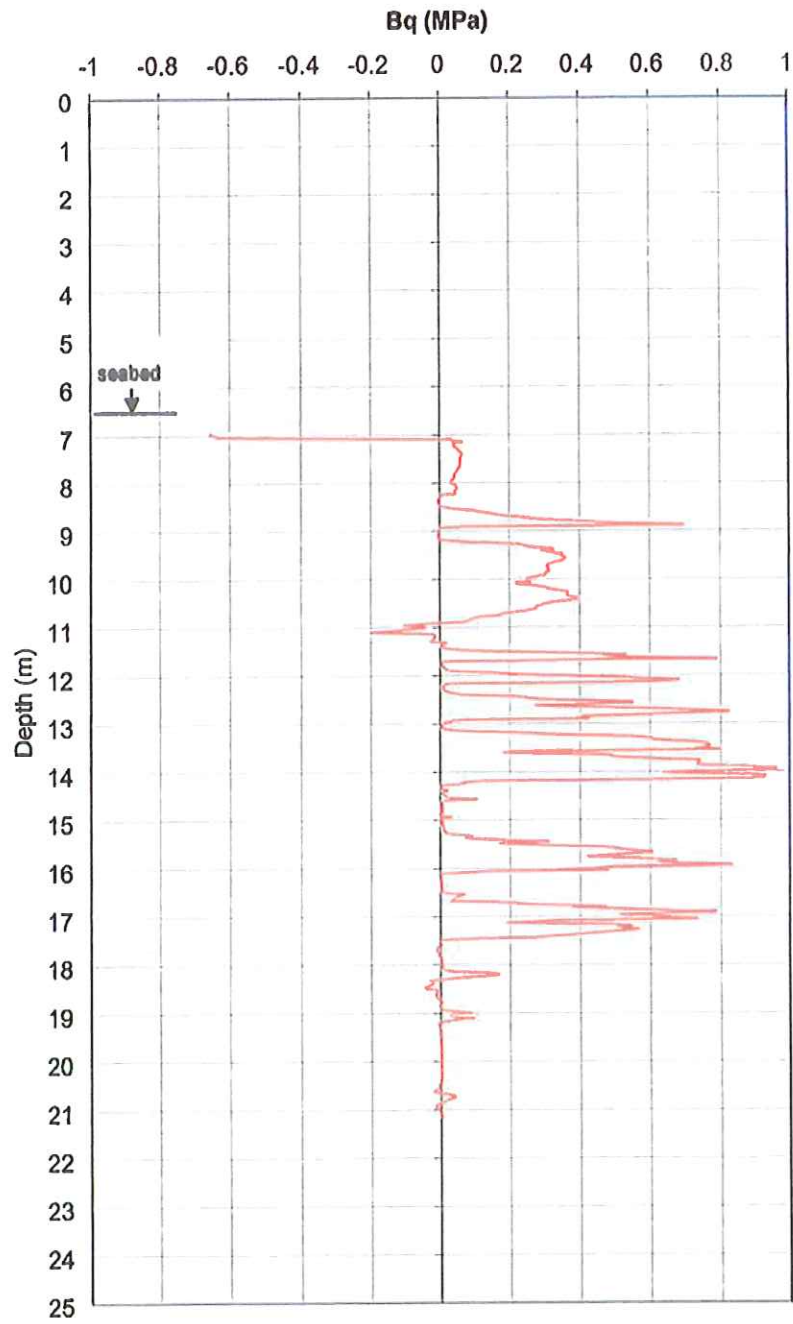
# Penetrometer CPTu 4



### Penetrometer CPTu 4

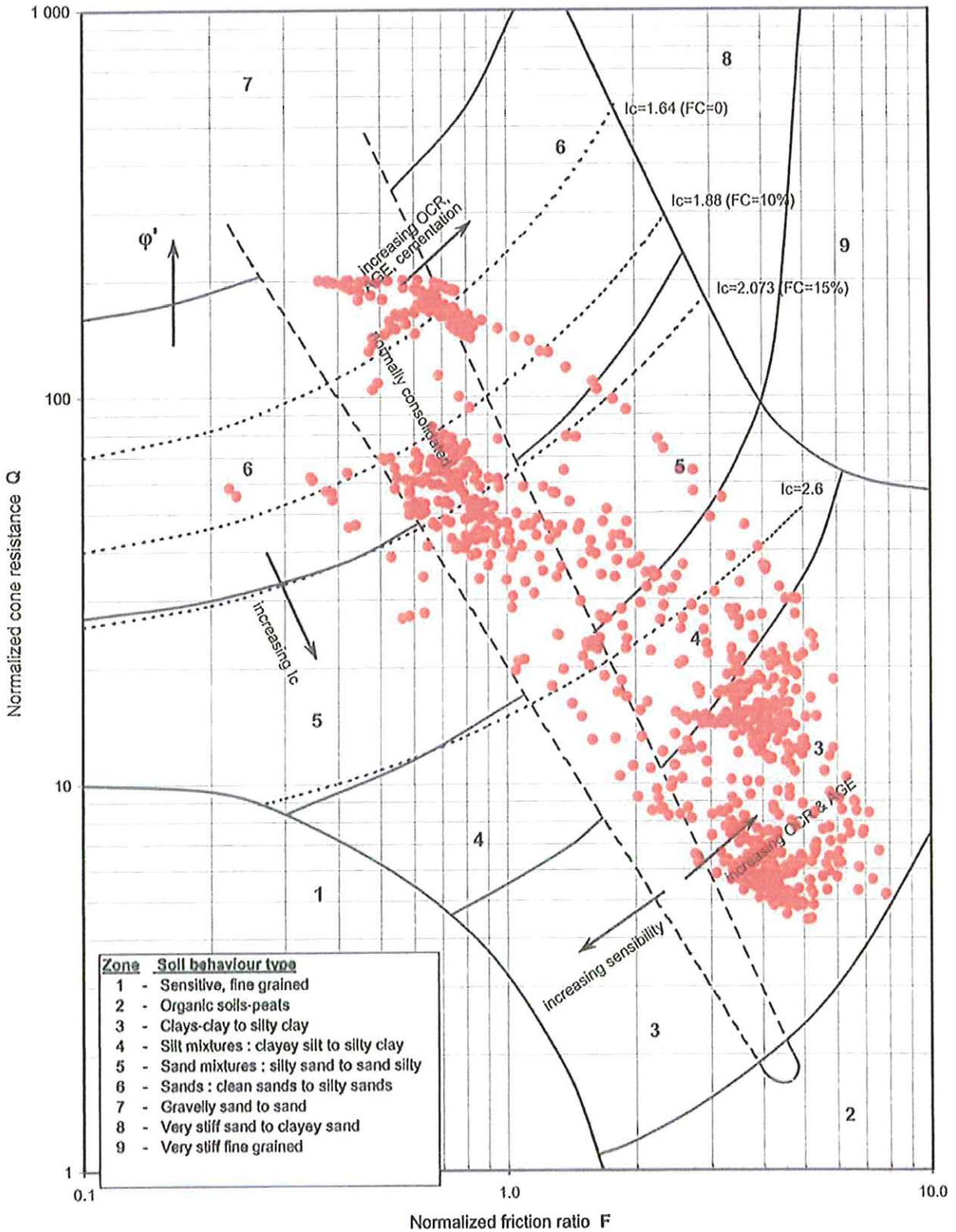


# Penetrometer CPTu 4

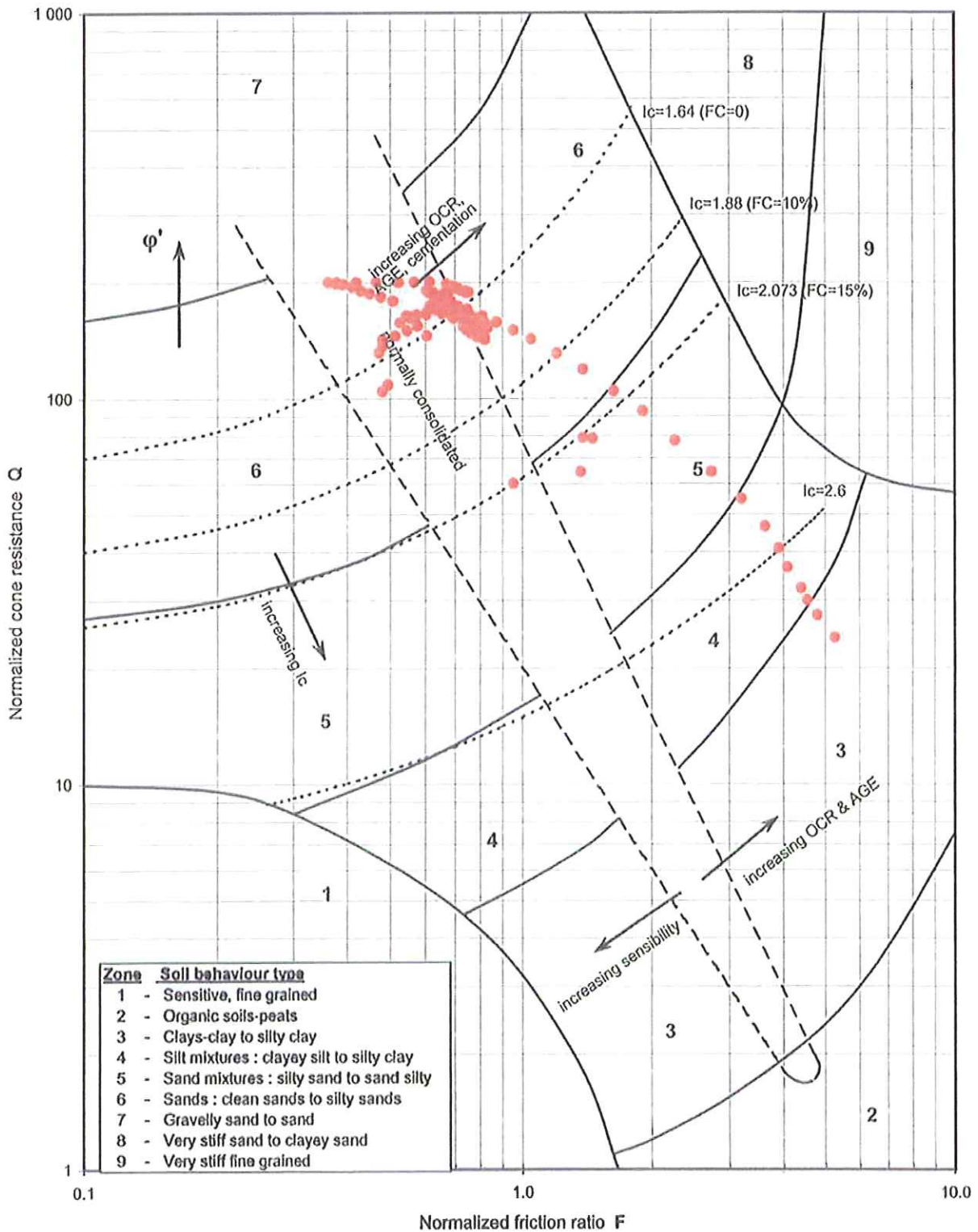




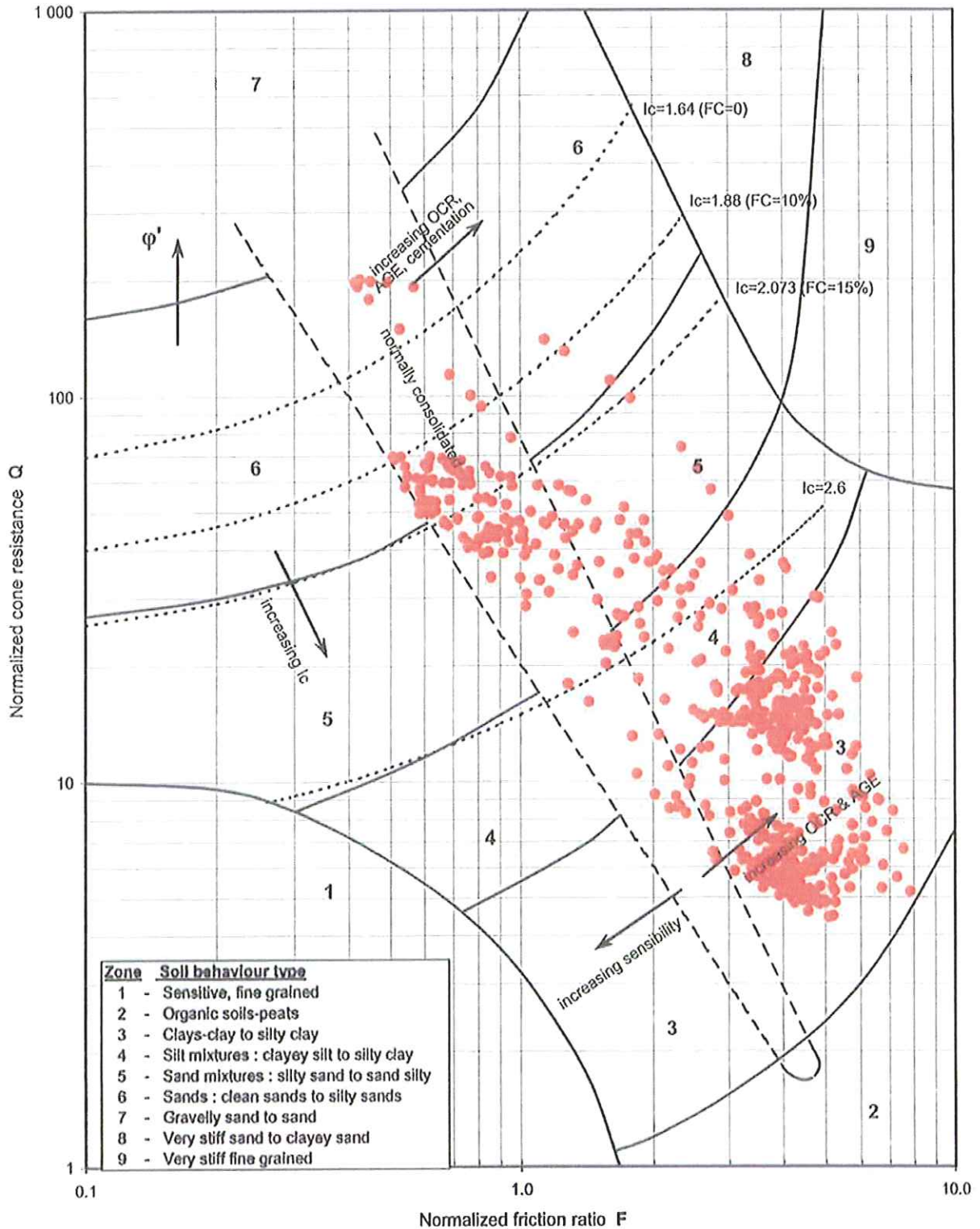
# Penetrometer CPTu 4



## Penetrometer CPTu 4 between 7.05 et 8.55 m depth / sea level

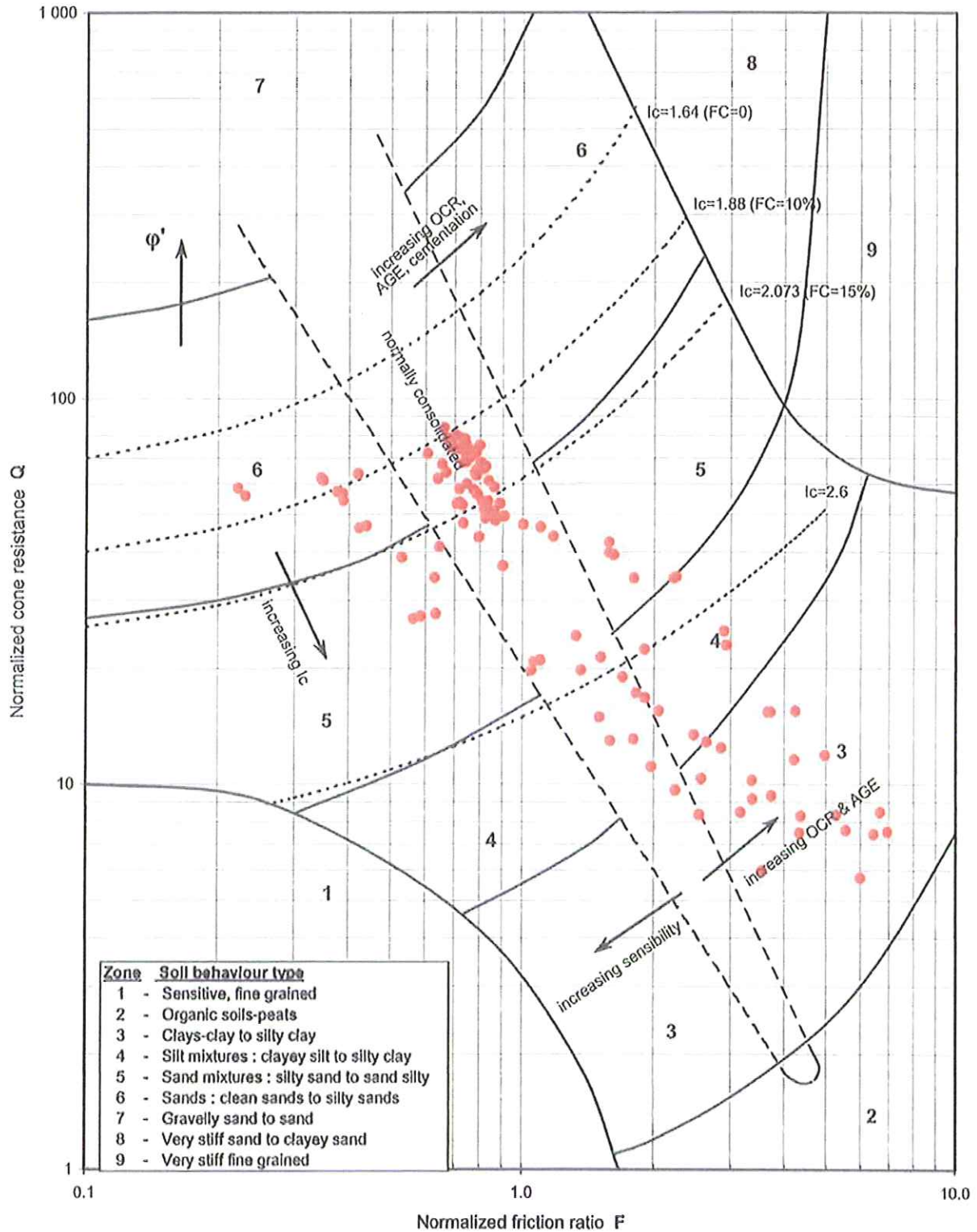


## Penetrometer CPTu 4 between 8.55 et 17.45 m depth / sea level



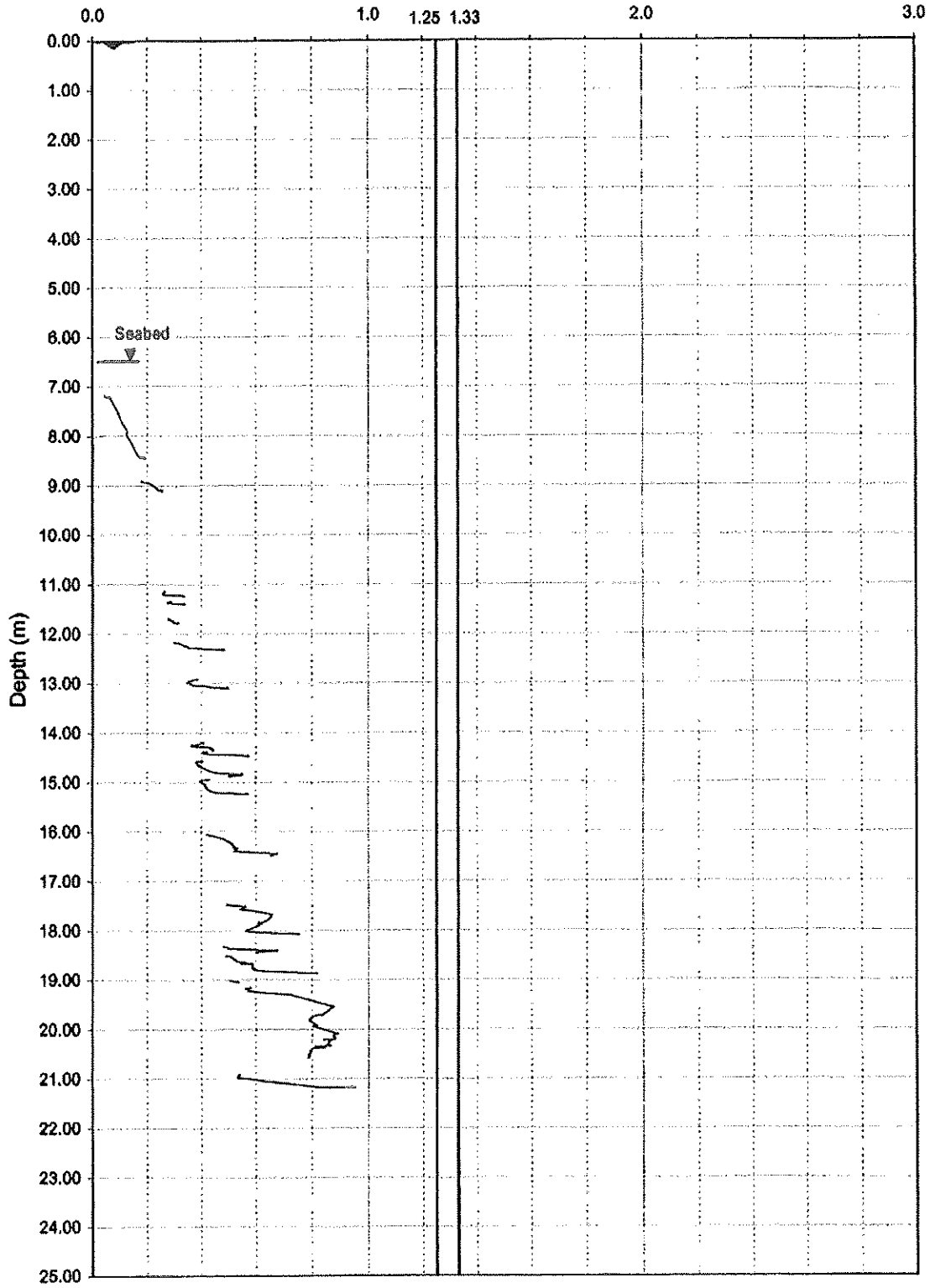


## Penetrometer CPTu 4 between 17.45 et 21.15 m depth / sea level



safety factor against liquefaction  
Penetrometer CPTu 4  
am = 0.21 g

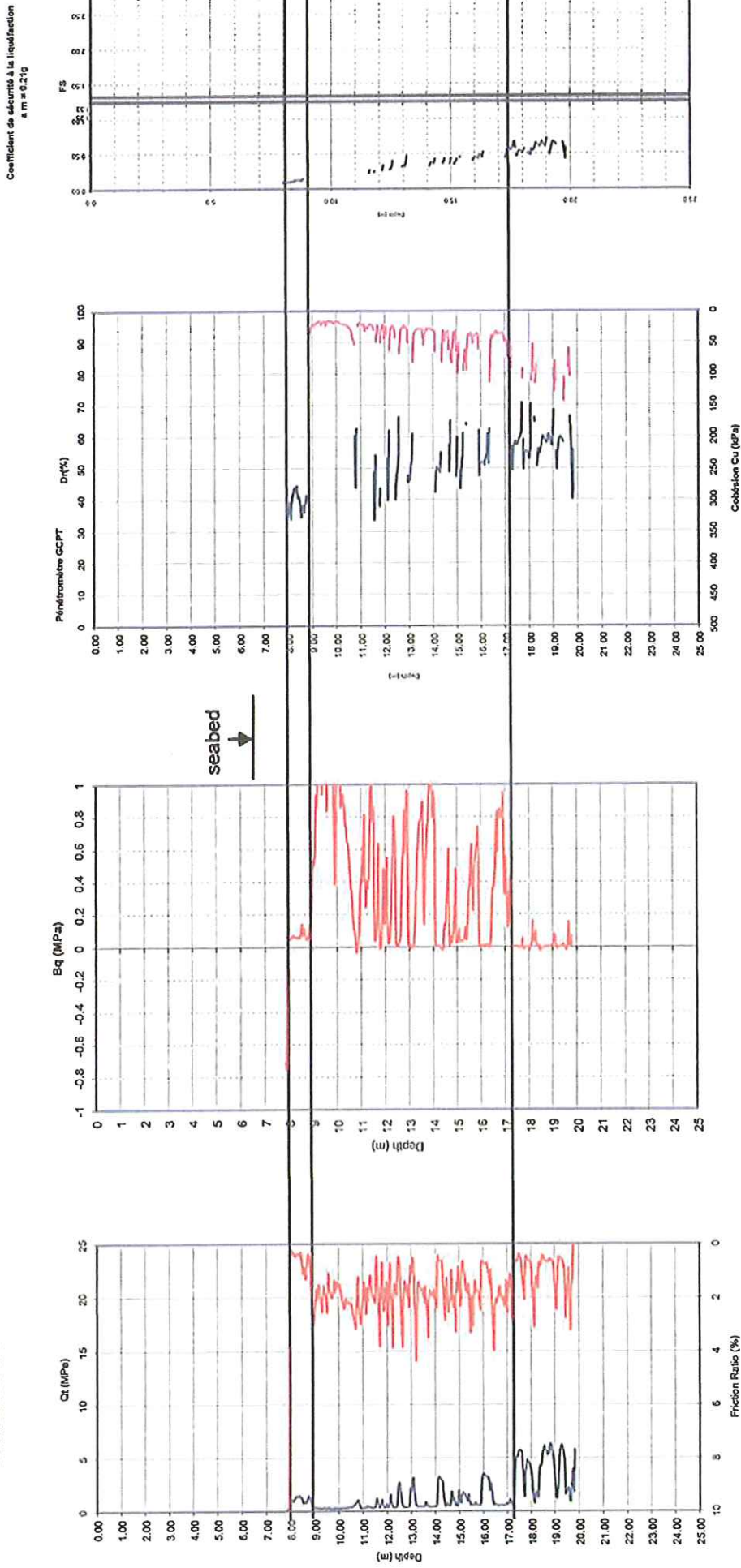
FS





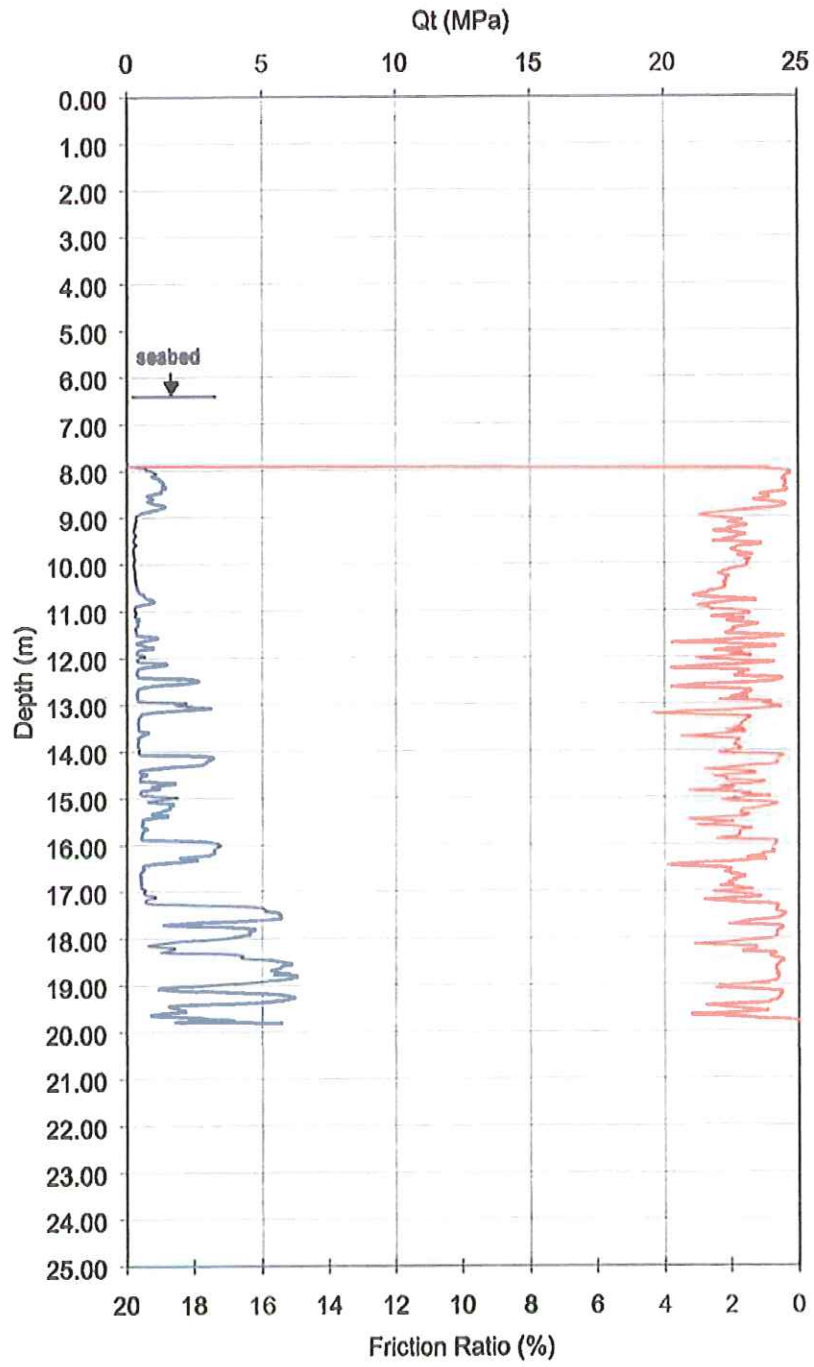
### Pénétromètre CPT

### Pénétromètre CPT u 5

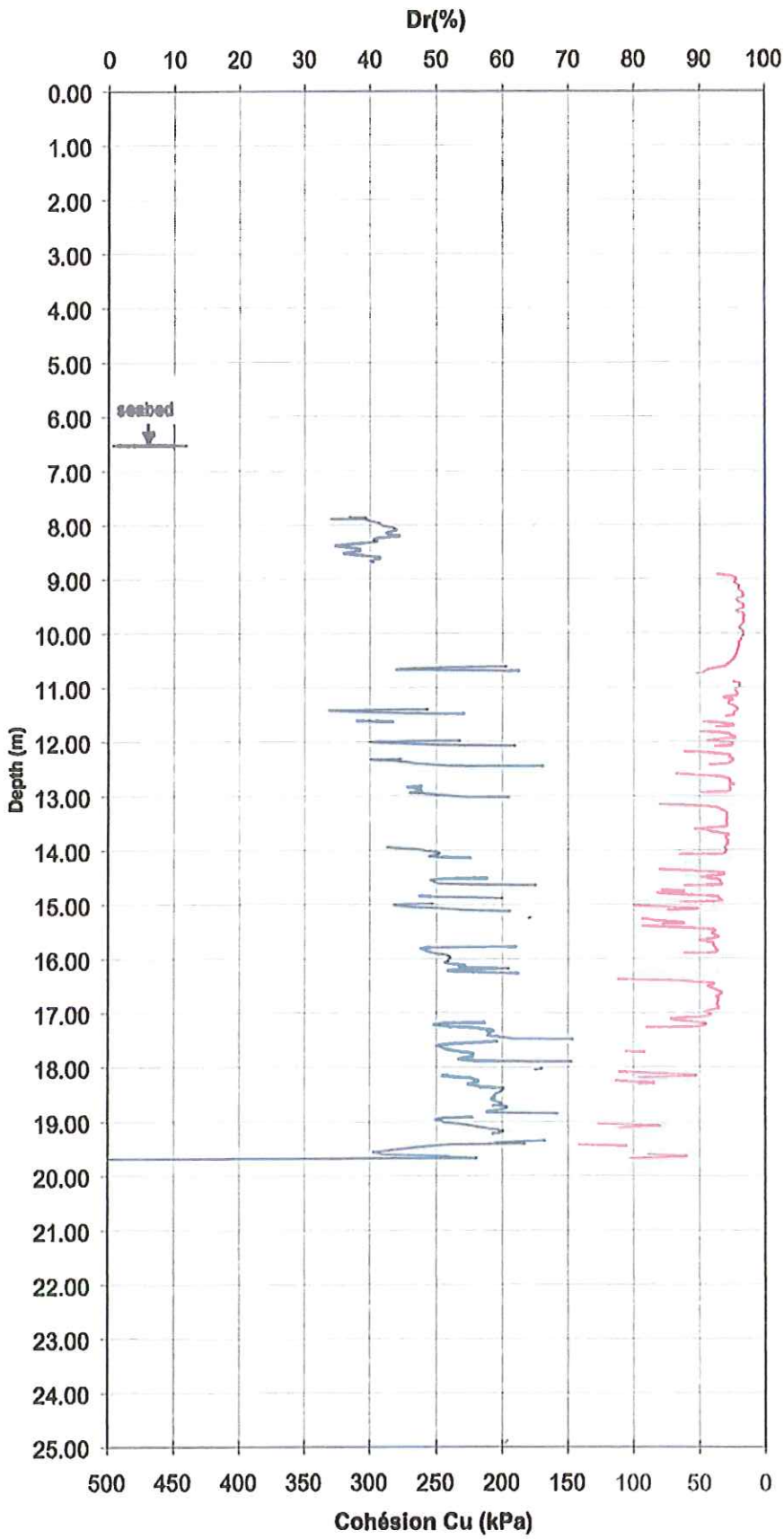


Coefficient de sécurité à la liquéfaction  
s m = 0.25g

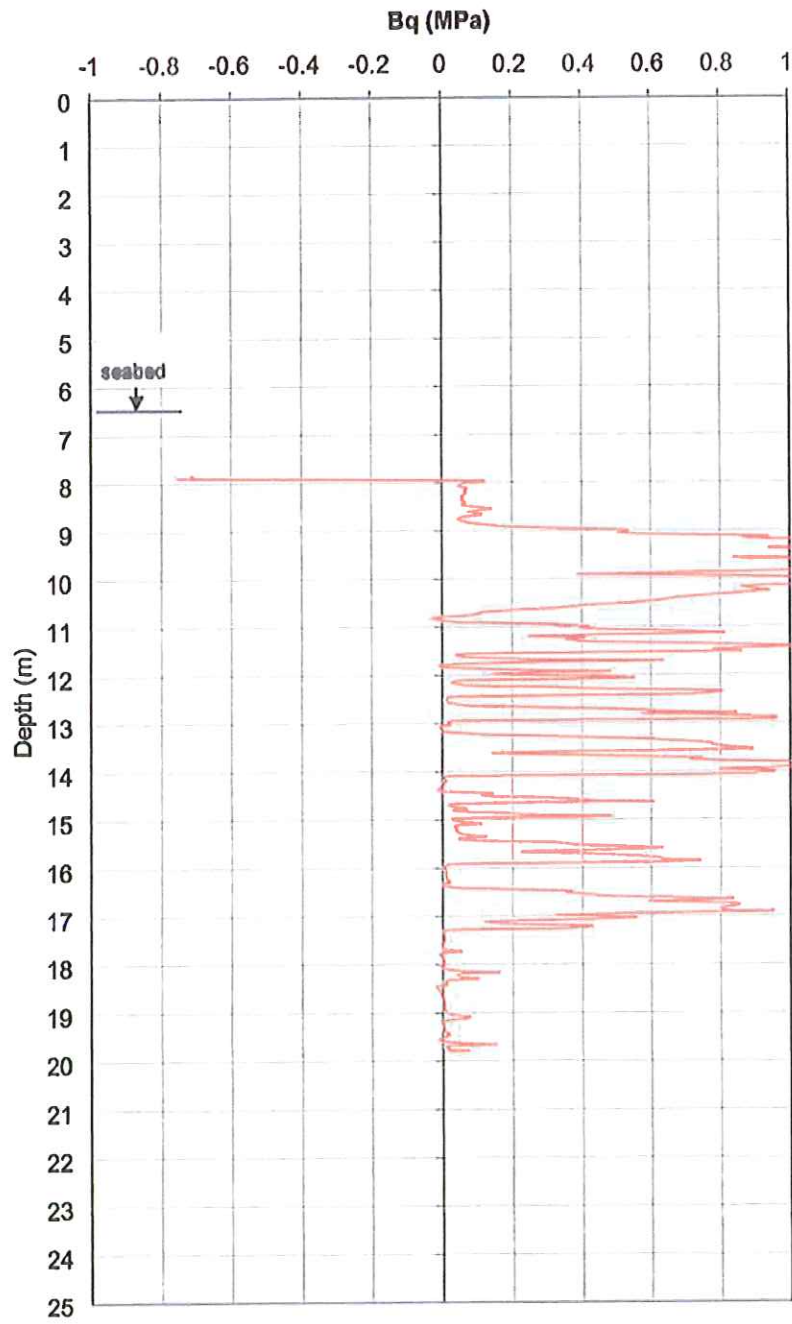
# Penetrometer CPTu 5



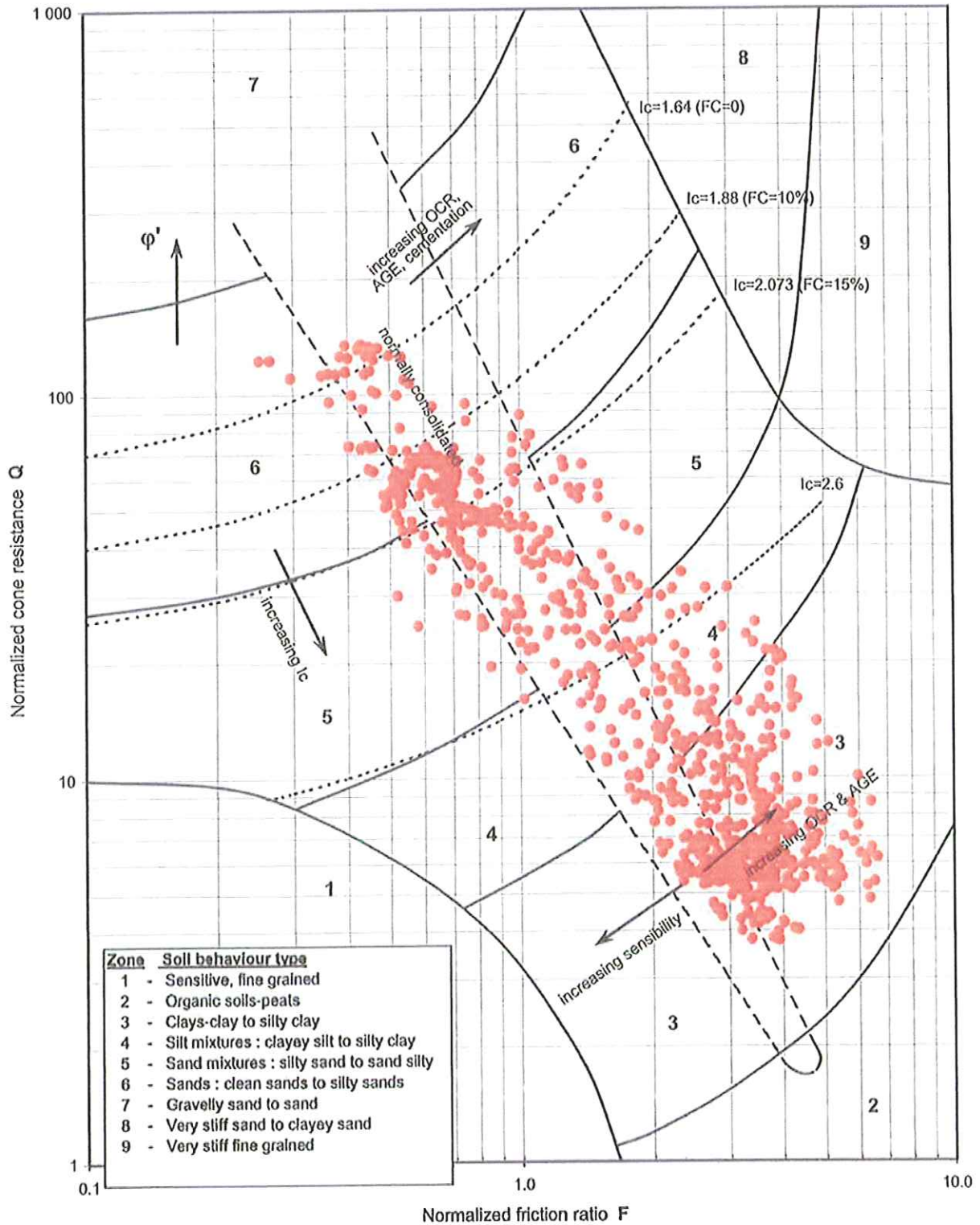
Penetrometer CPTu 5



# Penetrometer CPTu 5

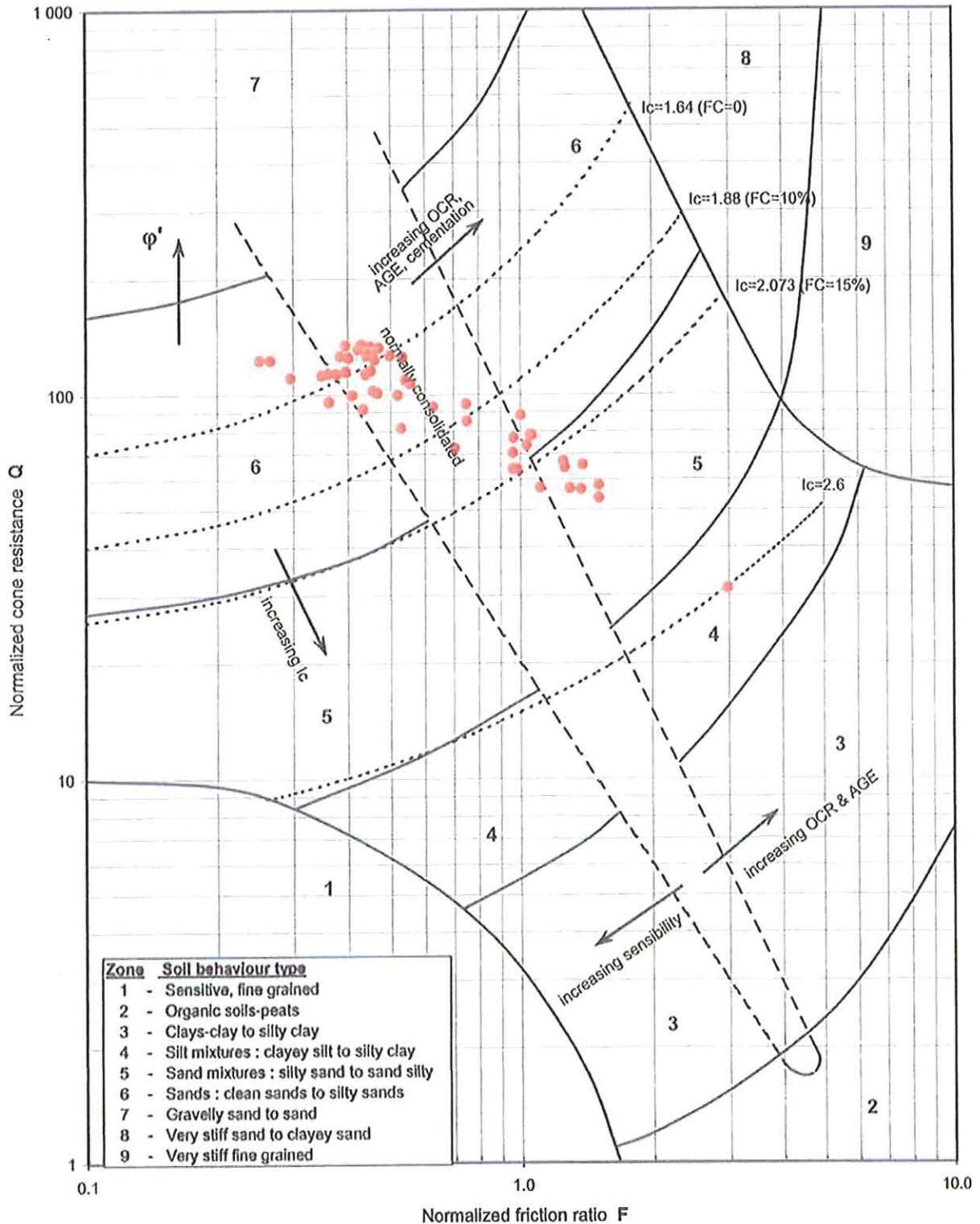


## Penetrometer CPTu 5

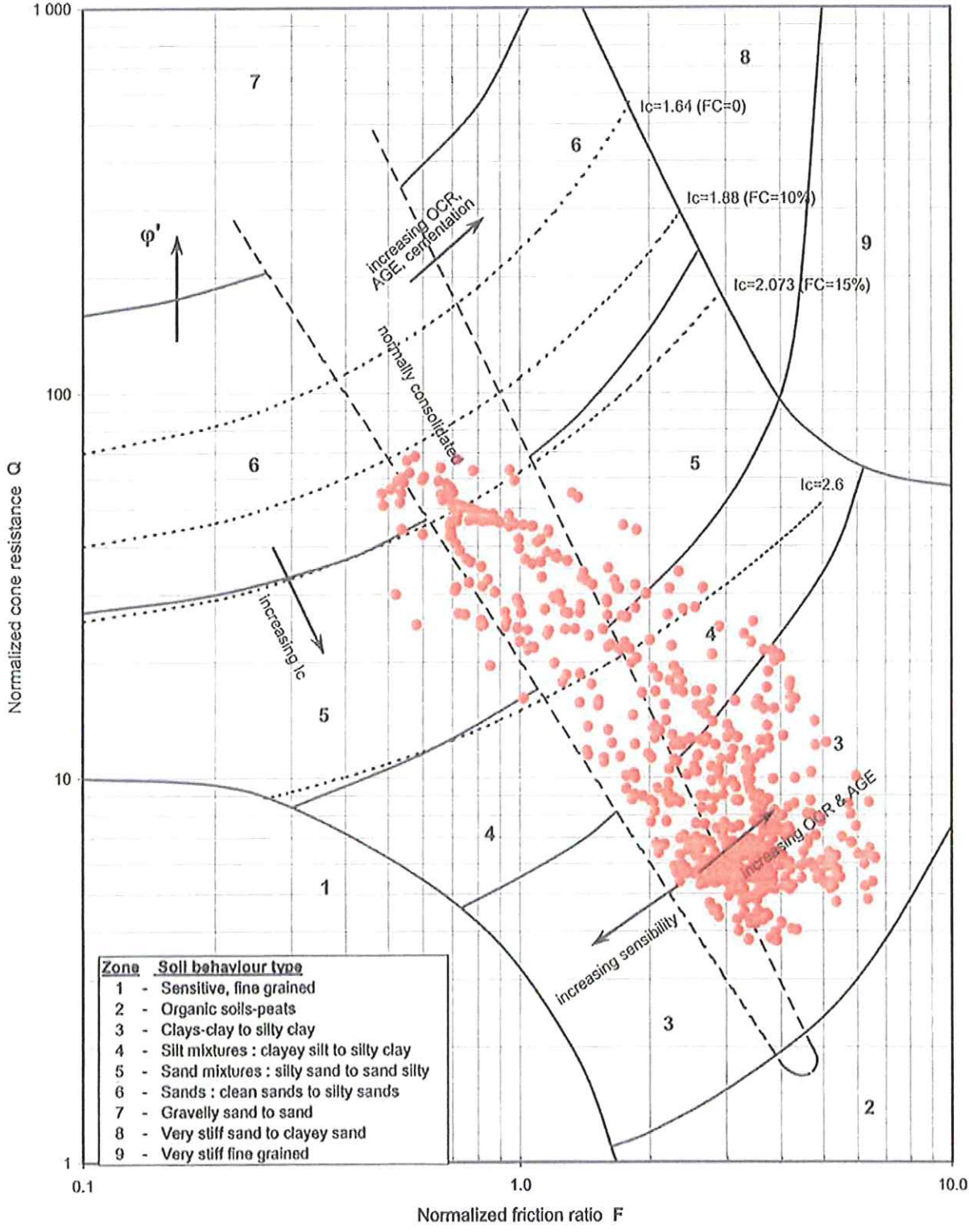




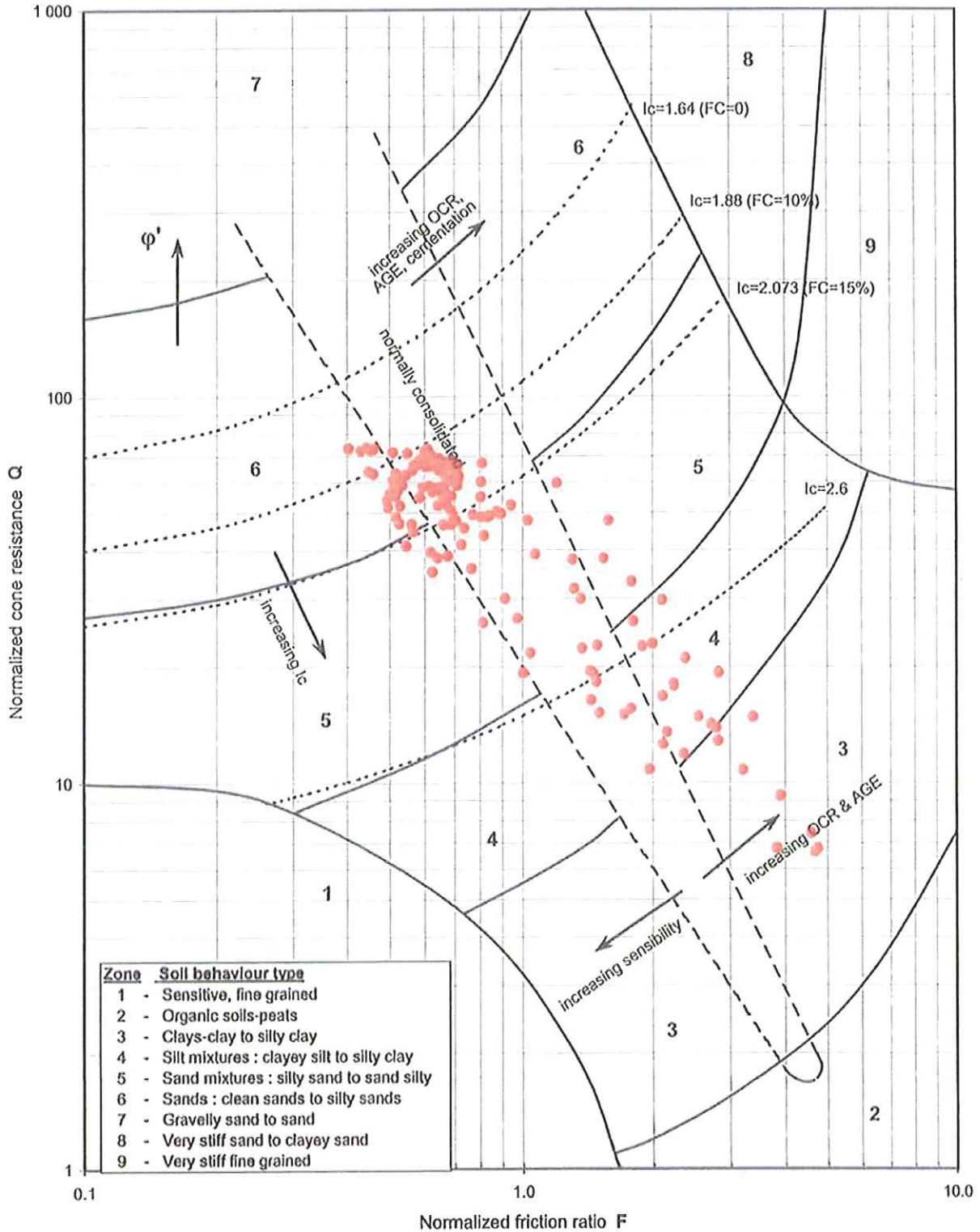
## Penetrometer CPTu 5 between 7.8 et 8.9m depth / sea level



## Penetrometer CPTu 5 between 8.9 et 17.3 m depth / sea level

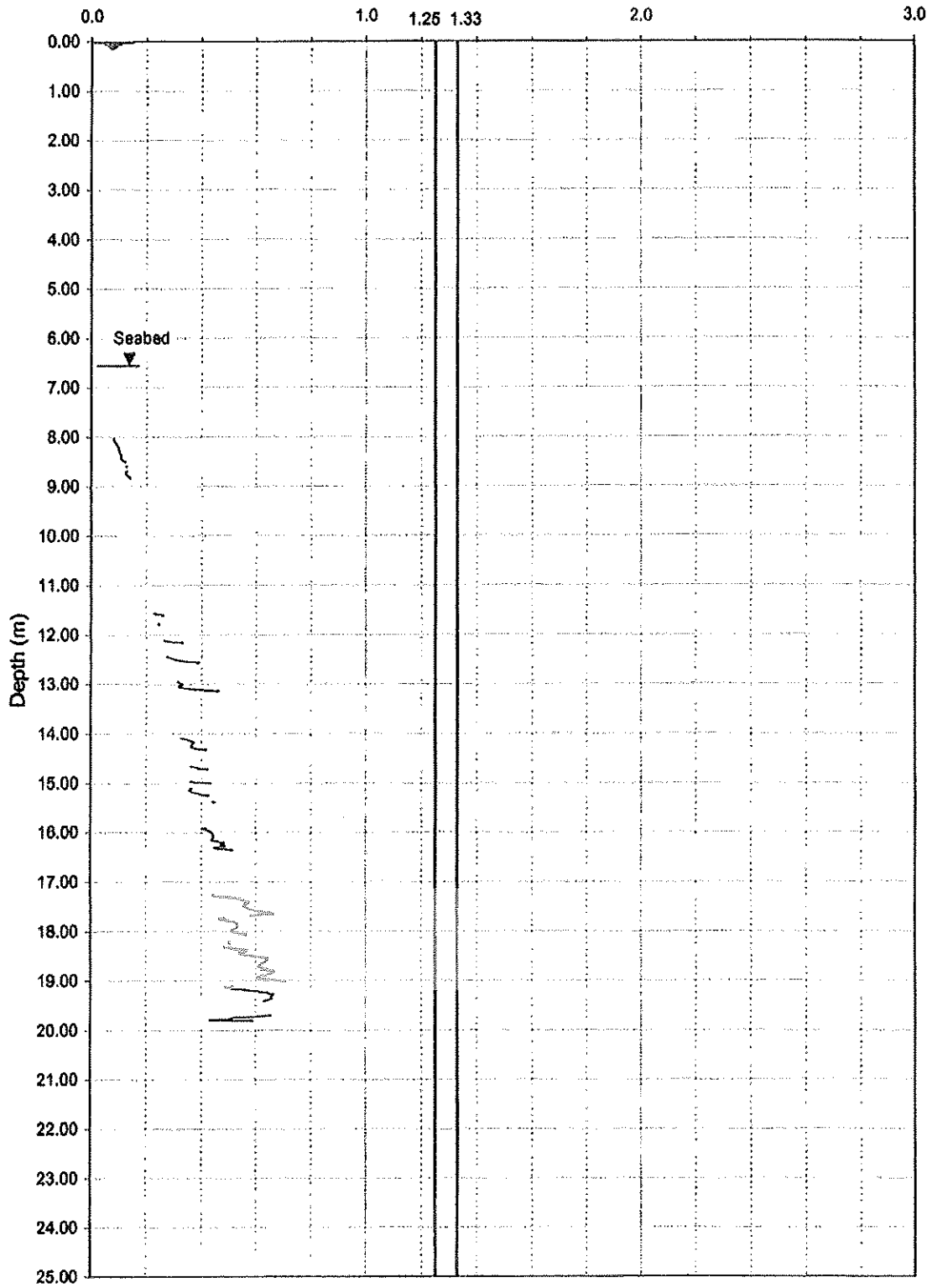


## Penetrometer CPTu 5 between 17.3 et 19.8 m depth / sea level



safety factor against liquefaction  
Penetrometer CPTu 5  
am = 0.21 g

FS

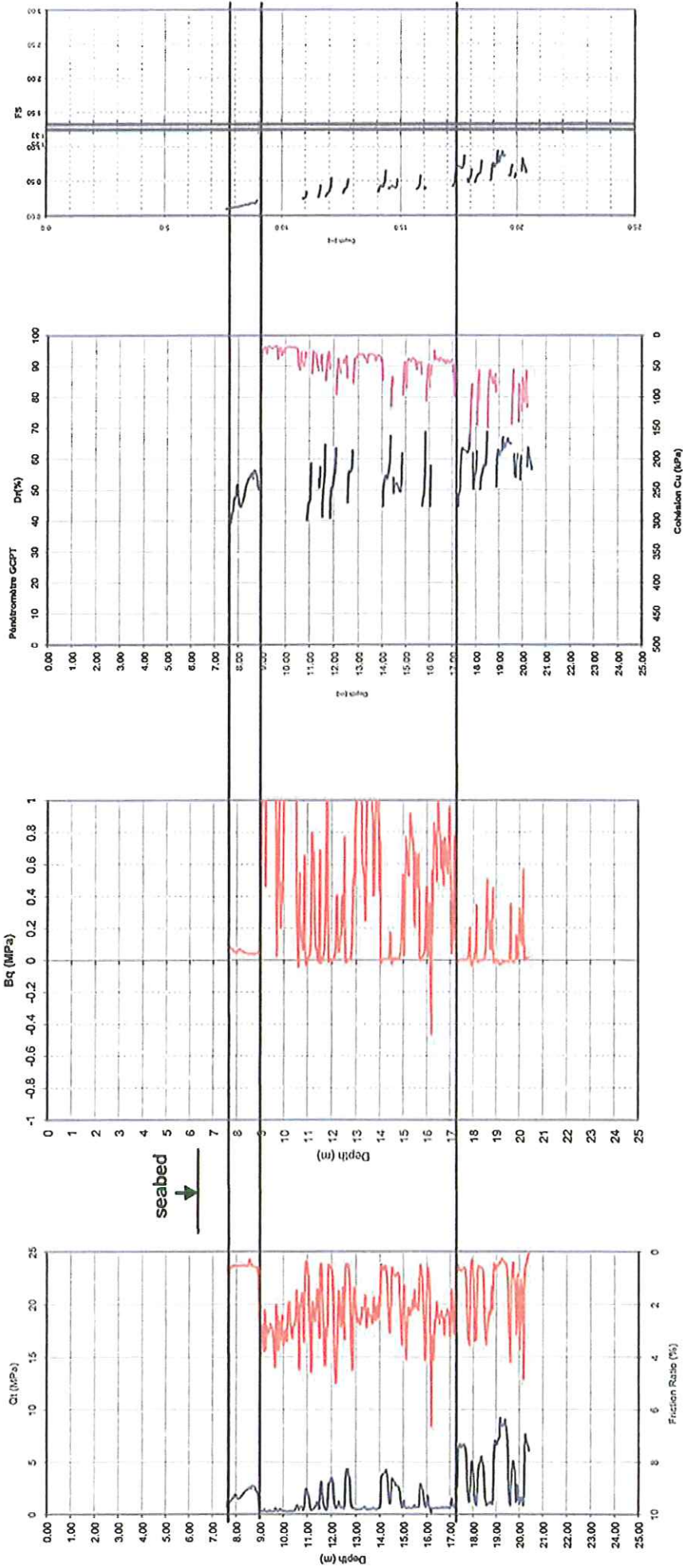




# Pénétromètre CPT

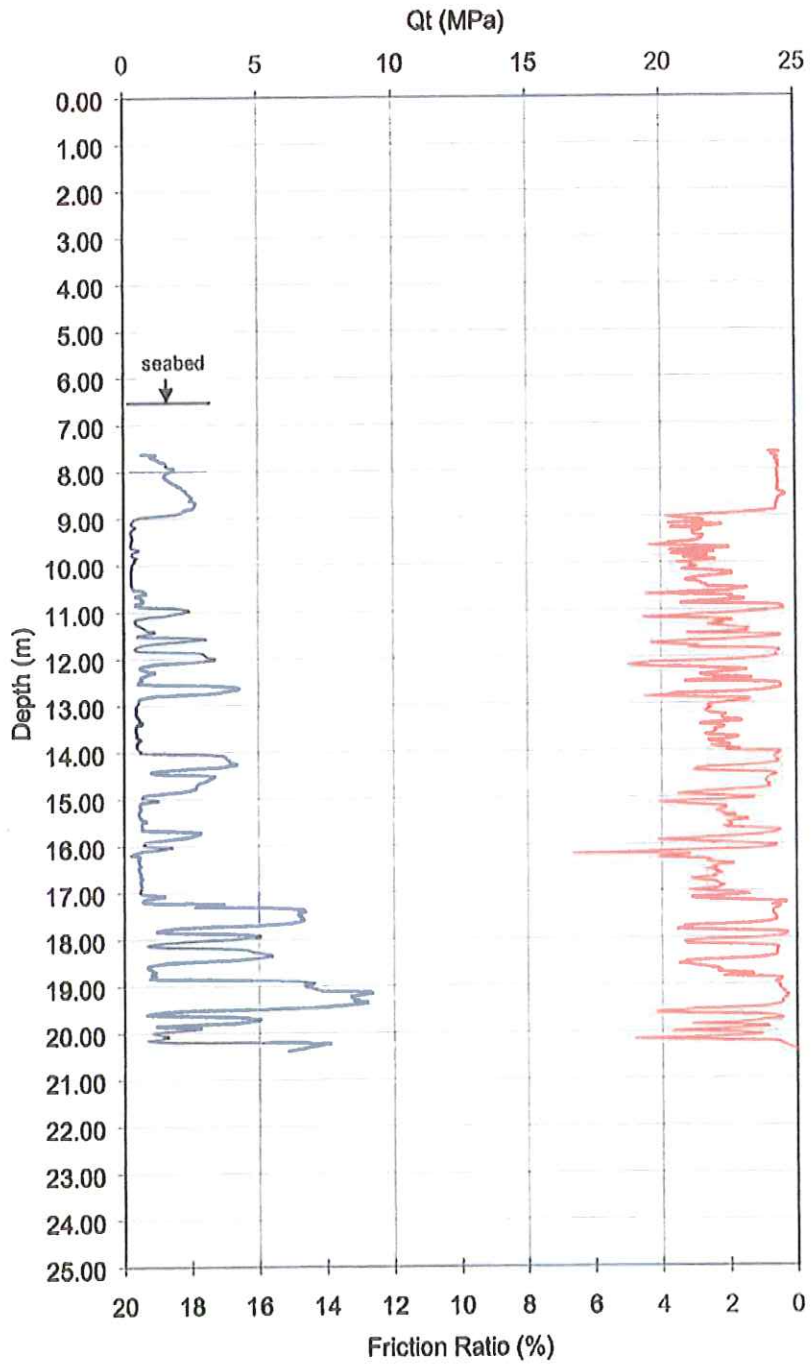
# Penetrometer CPTu 6

Coefficient de sécurité à la liquéfaction  
a m = 0.21g

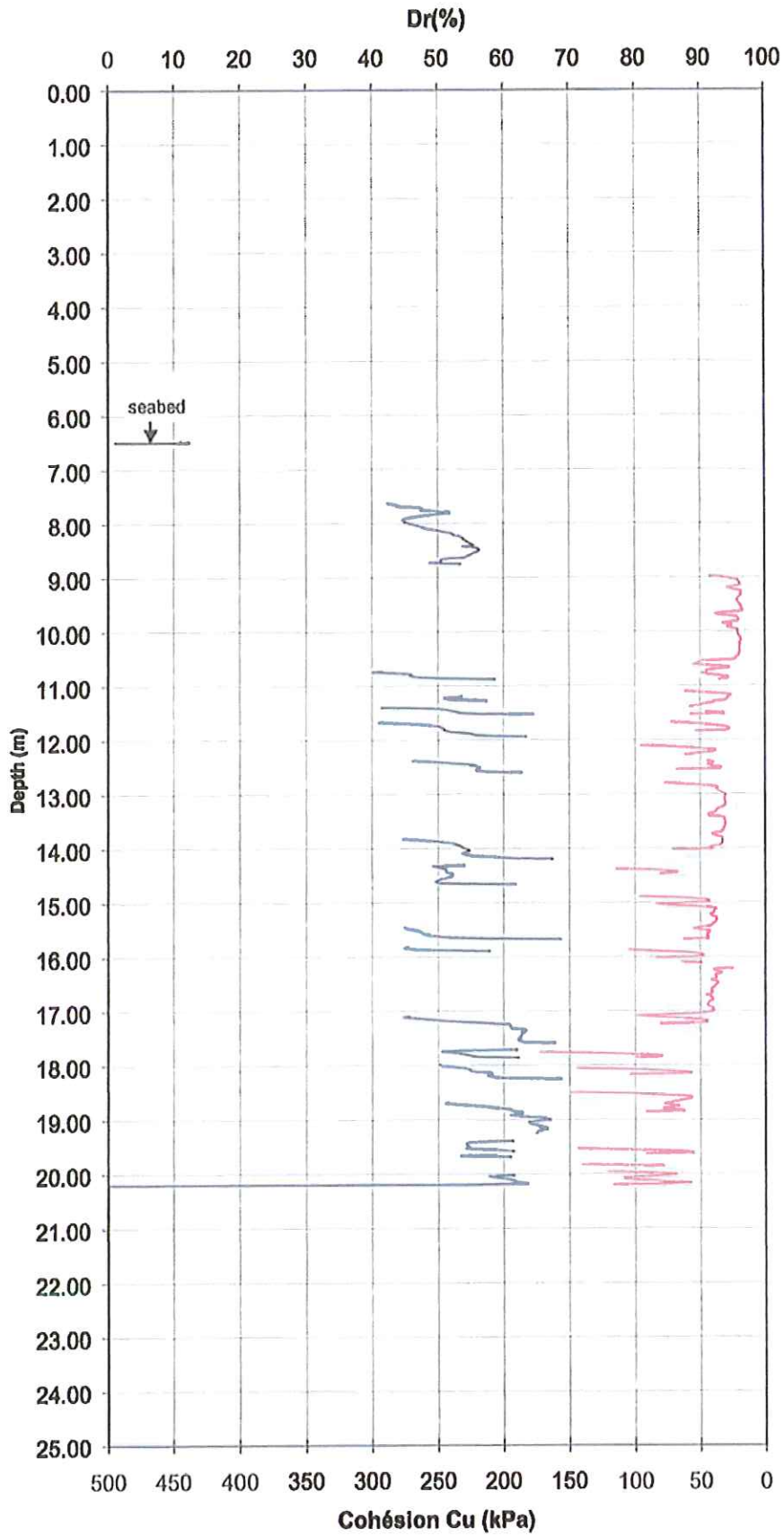




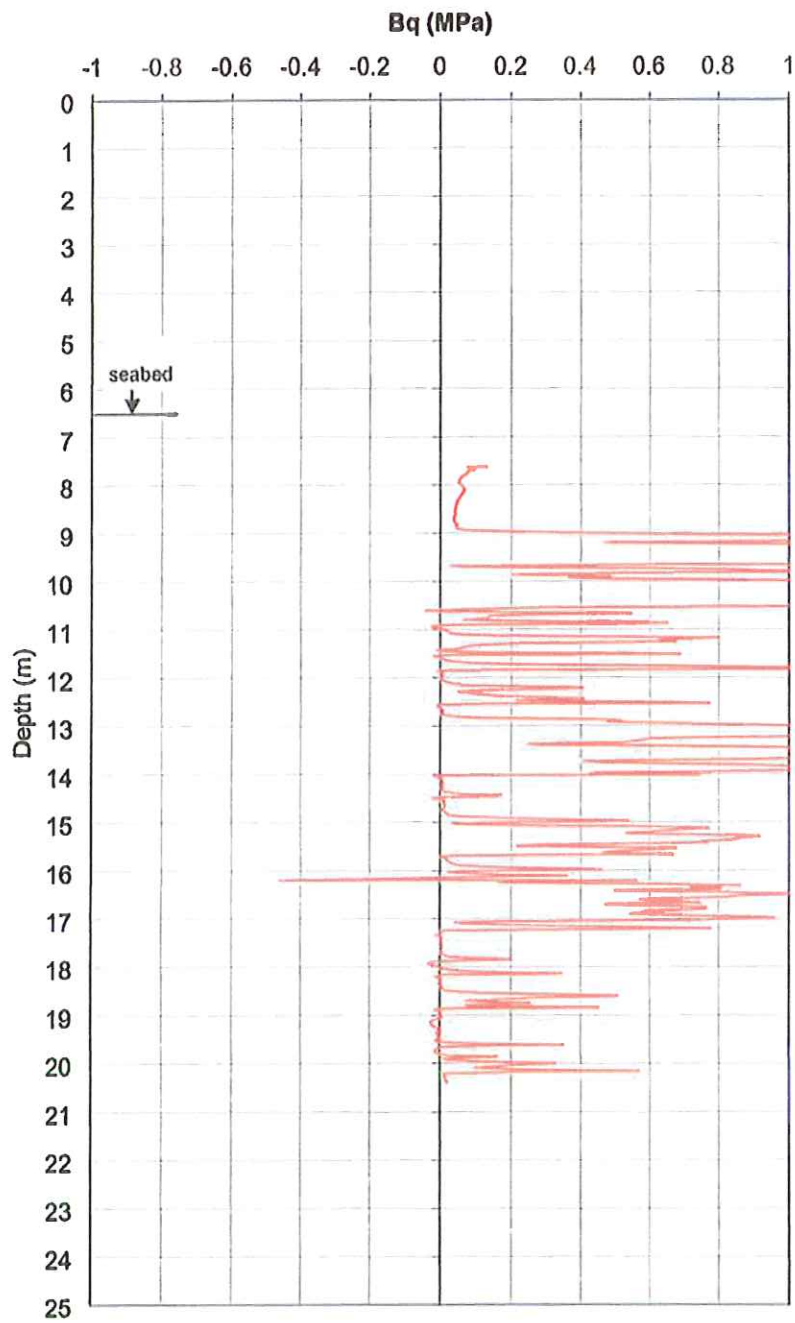
# Penetrometer CPTu 6



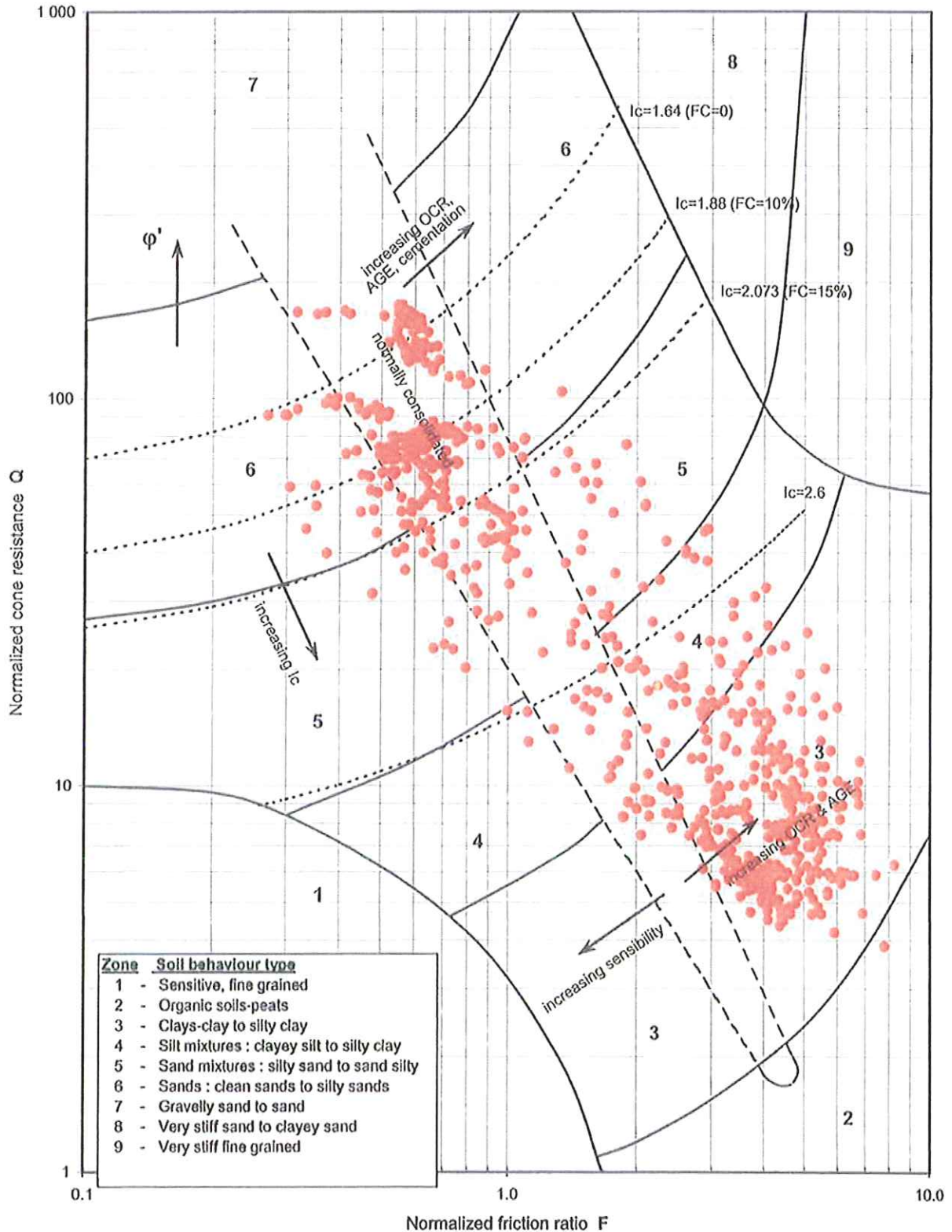
Penetrometer CPTu 6



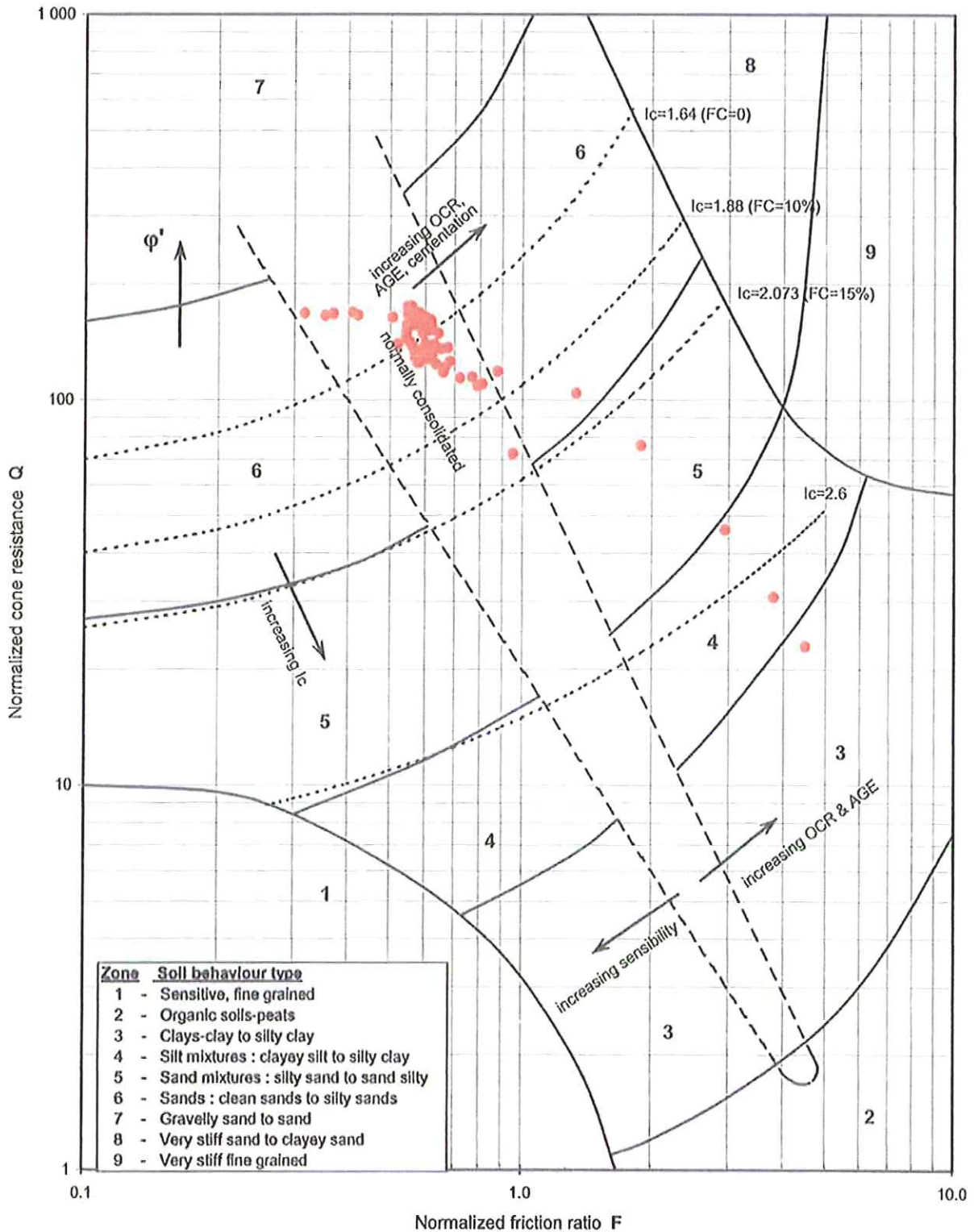
# Penetrometer CPTu 6



## Penetrometer CPTu 6

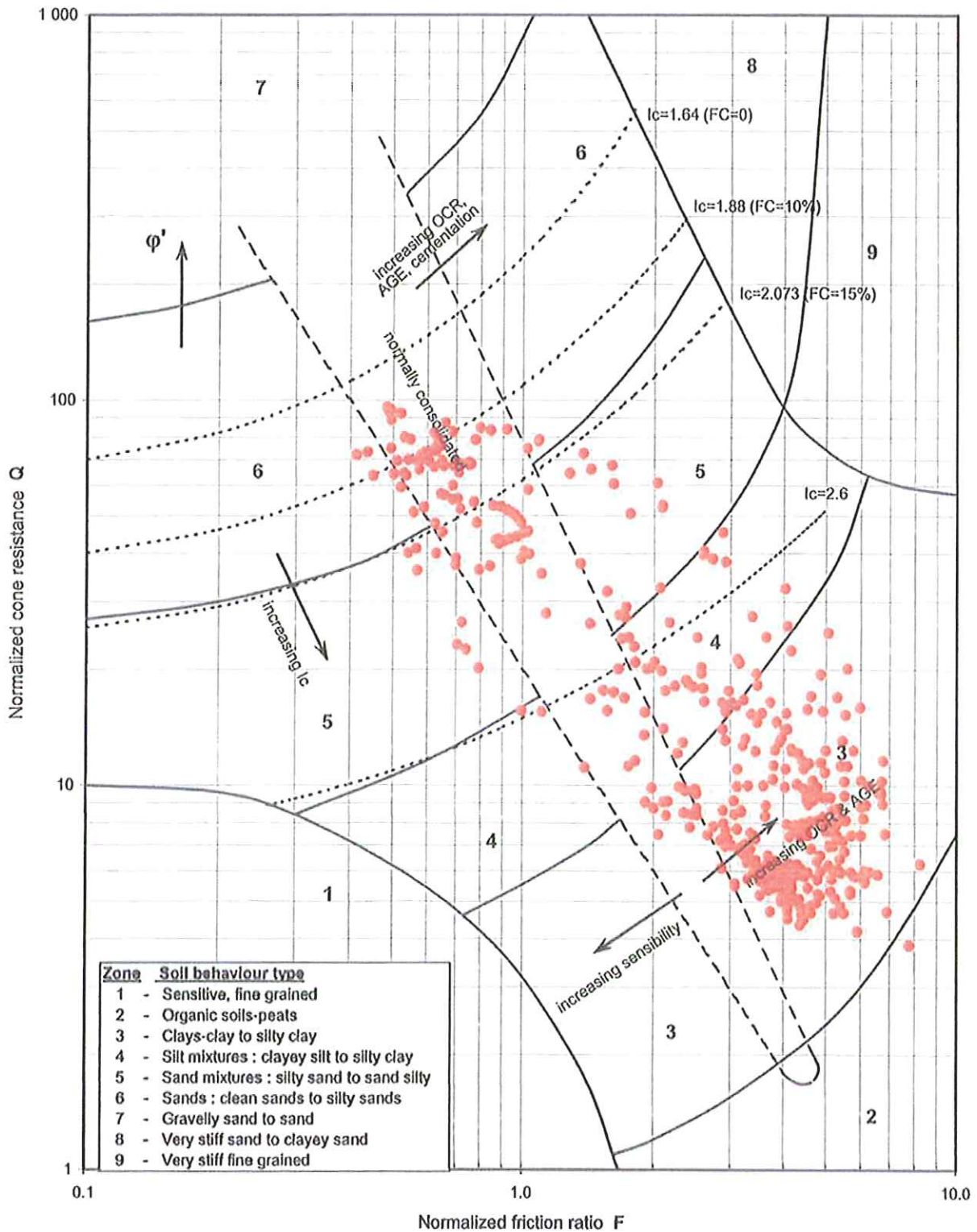


## Penetrometer CPTu 6 between 7.6 et 8.9 m depth / sea level

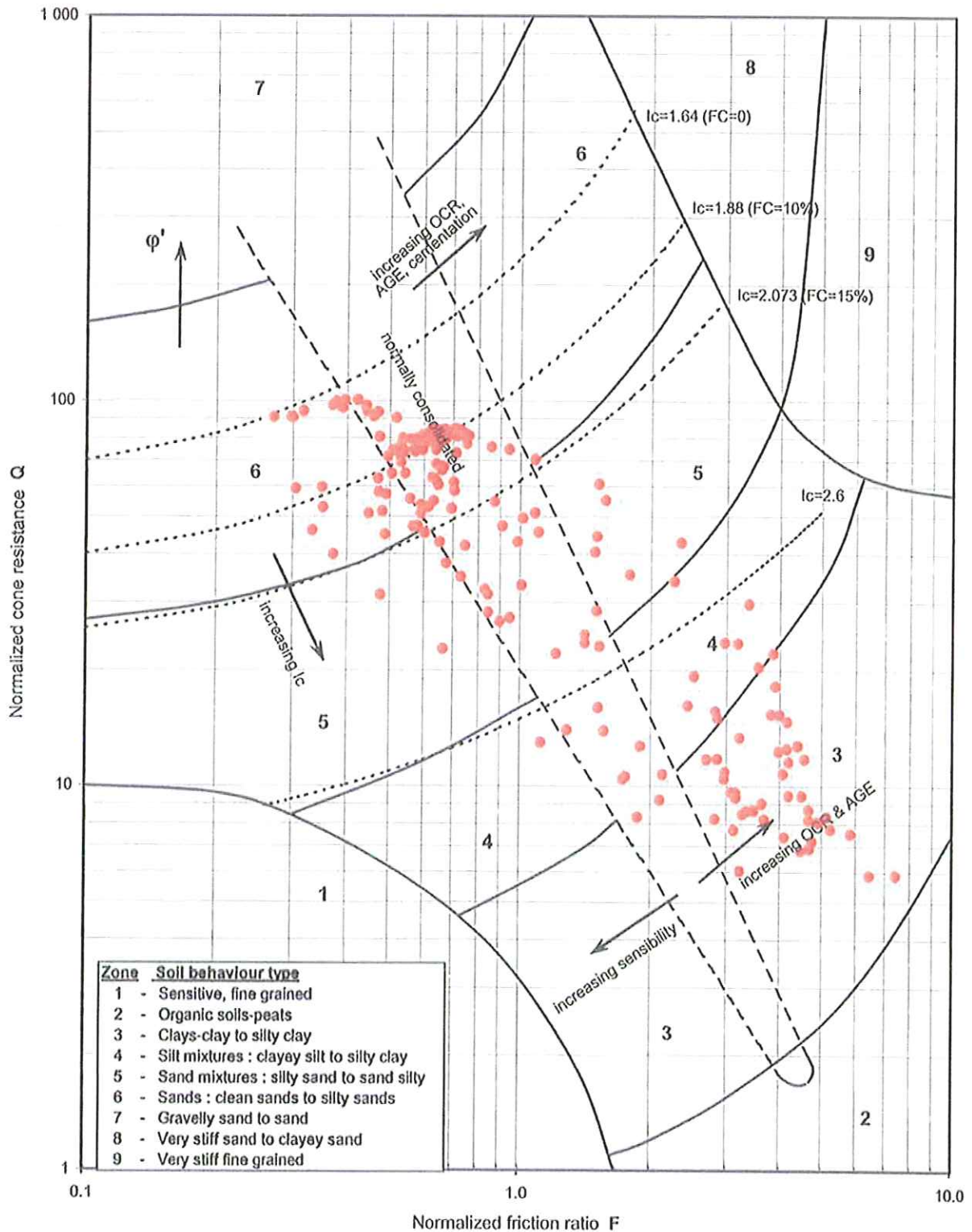




## Penetrometer CPTu 6 between 8.9 et 17.2 m depth / sea level

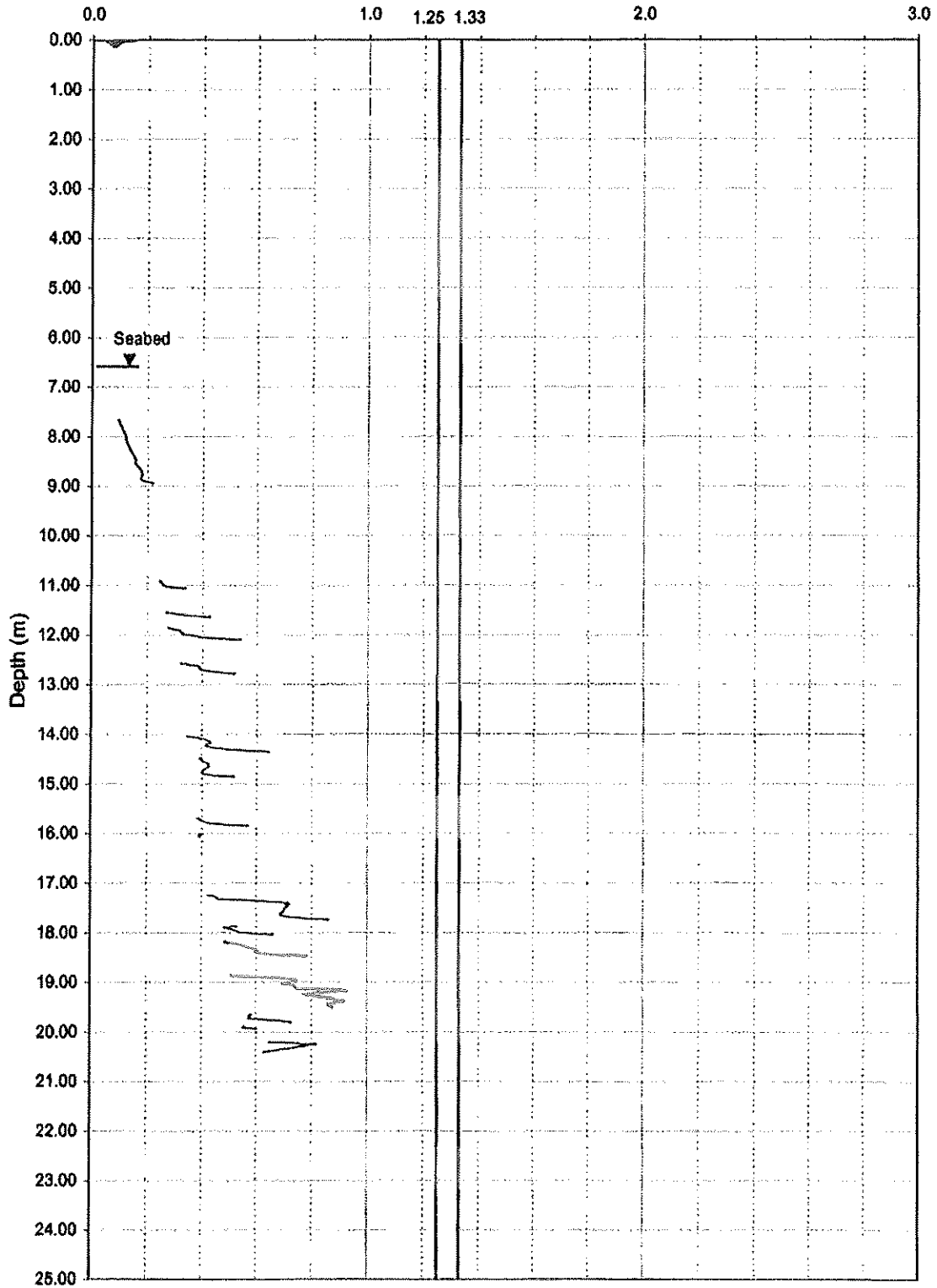


## Penetrometer CPTu 6 between 17.2 et 20.2 m depth / sea level



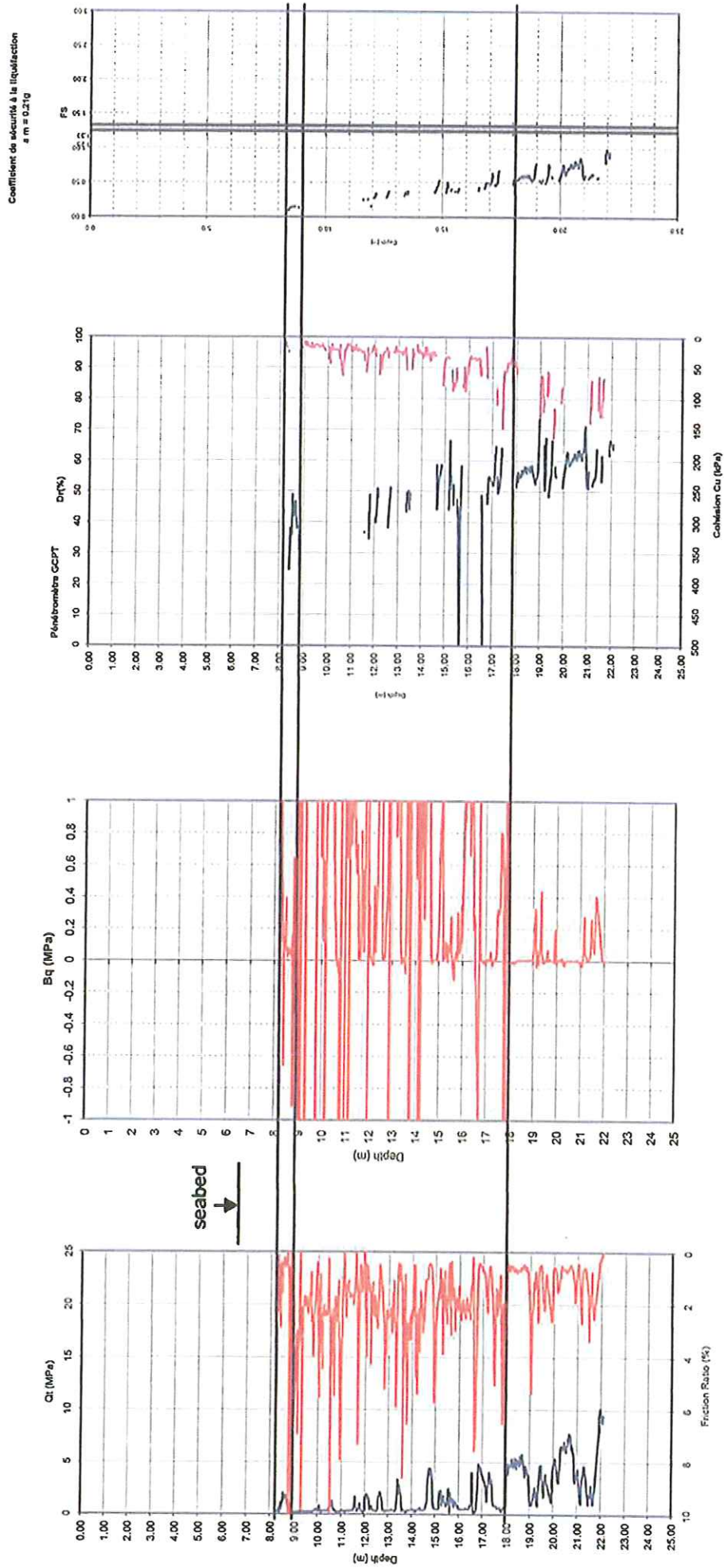
**Csafety factor against liquefaction  
Penetrometer CPTu 6  
am = 0.21 g**

FS

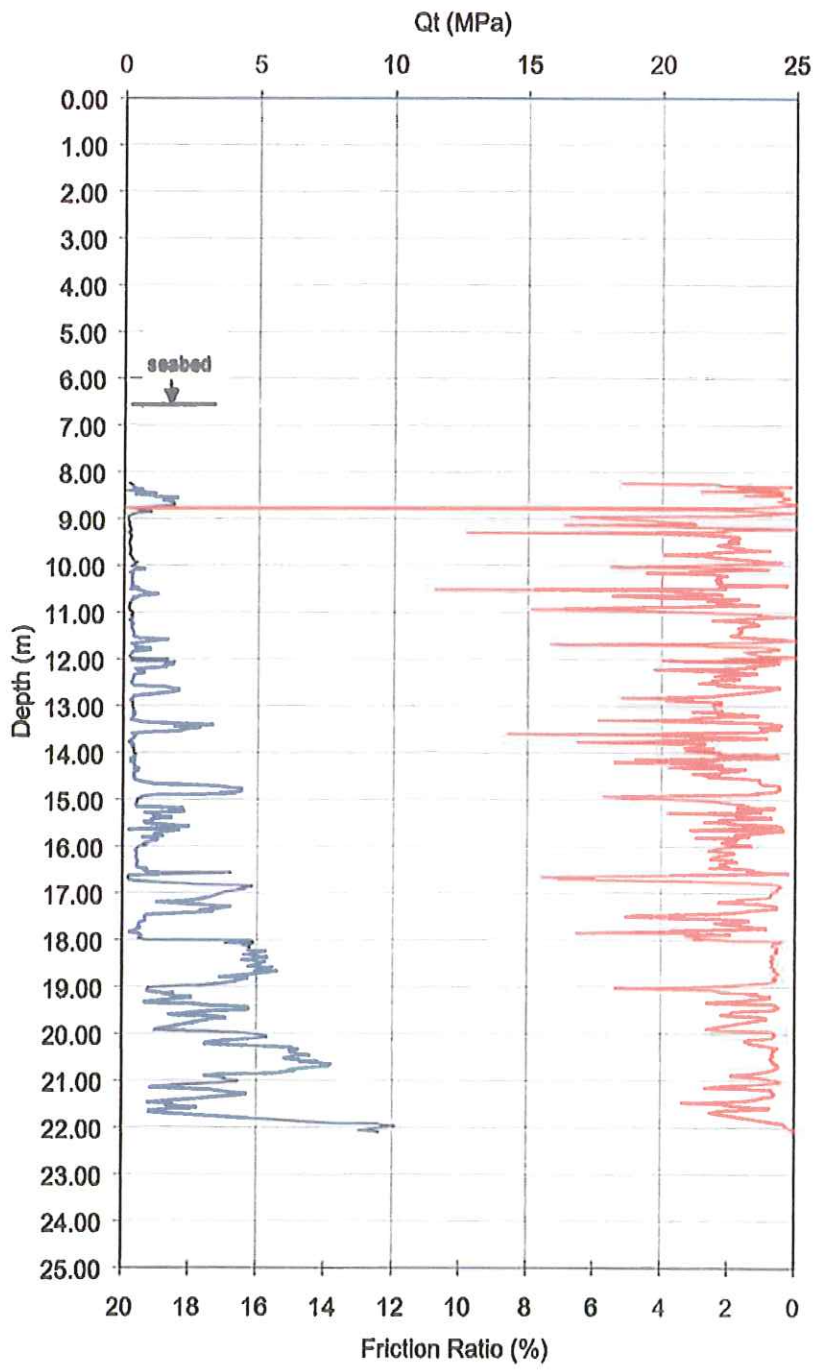


Pénétromètre CPT

Penetrometer CPTu 7

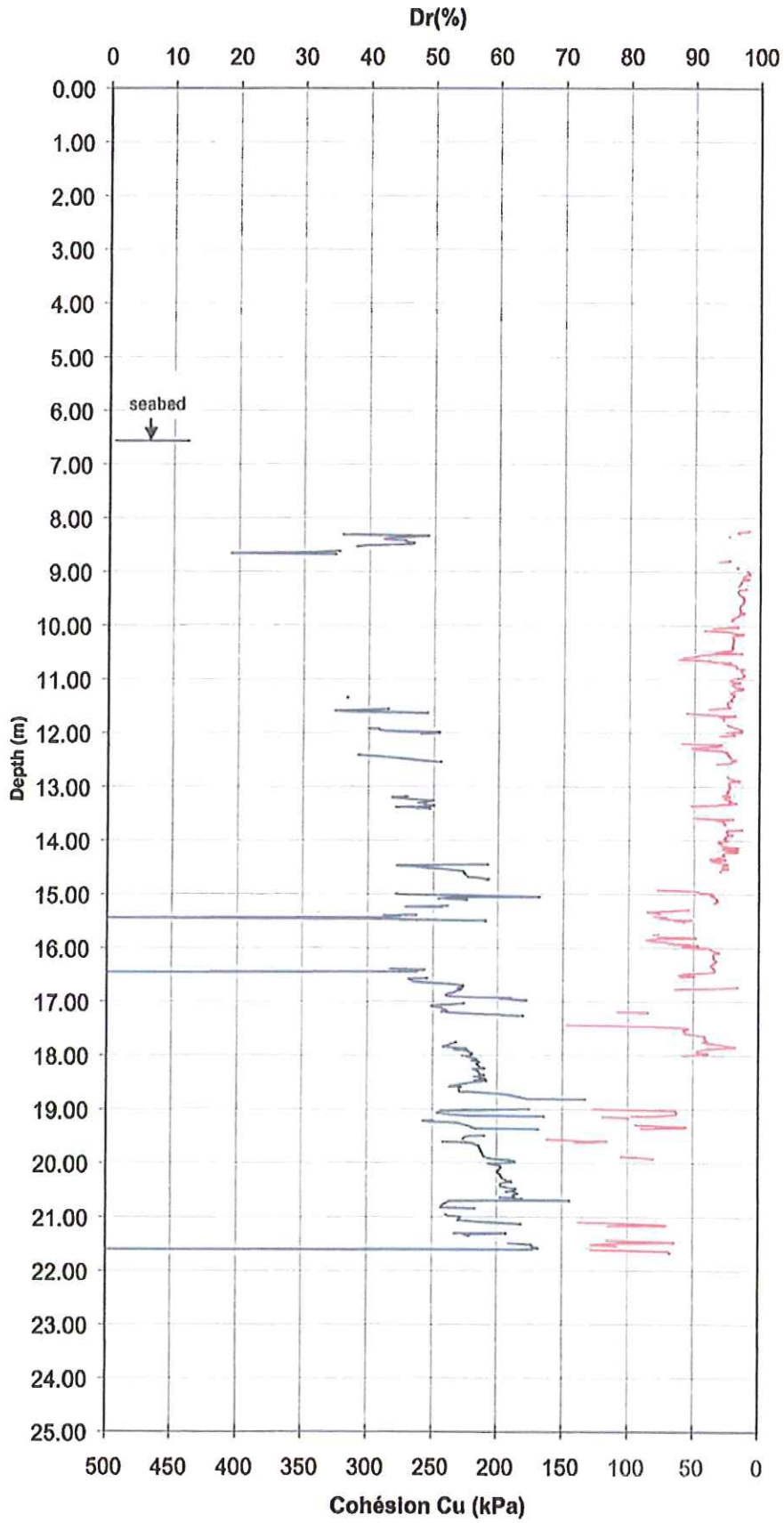


# Penetrometer CPTu 7

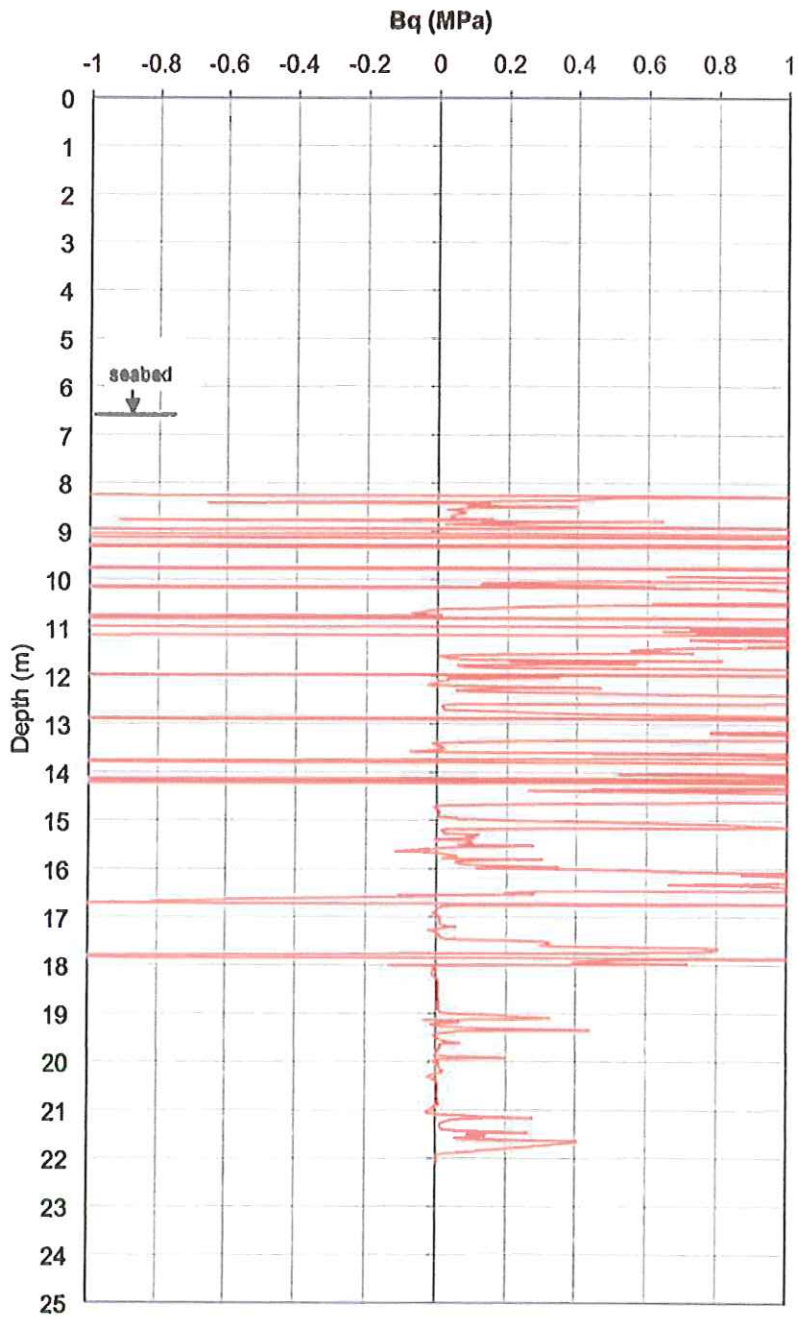




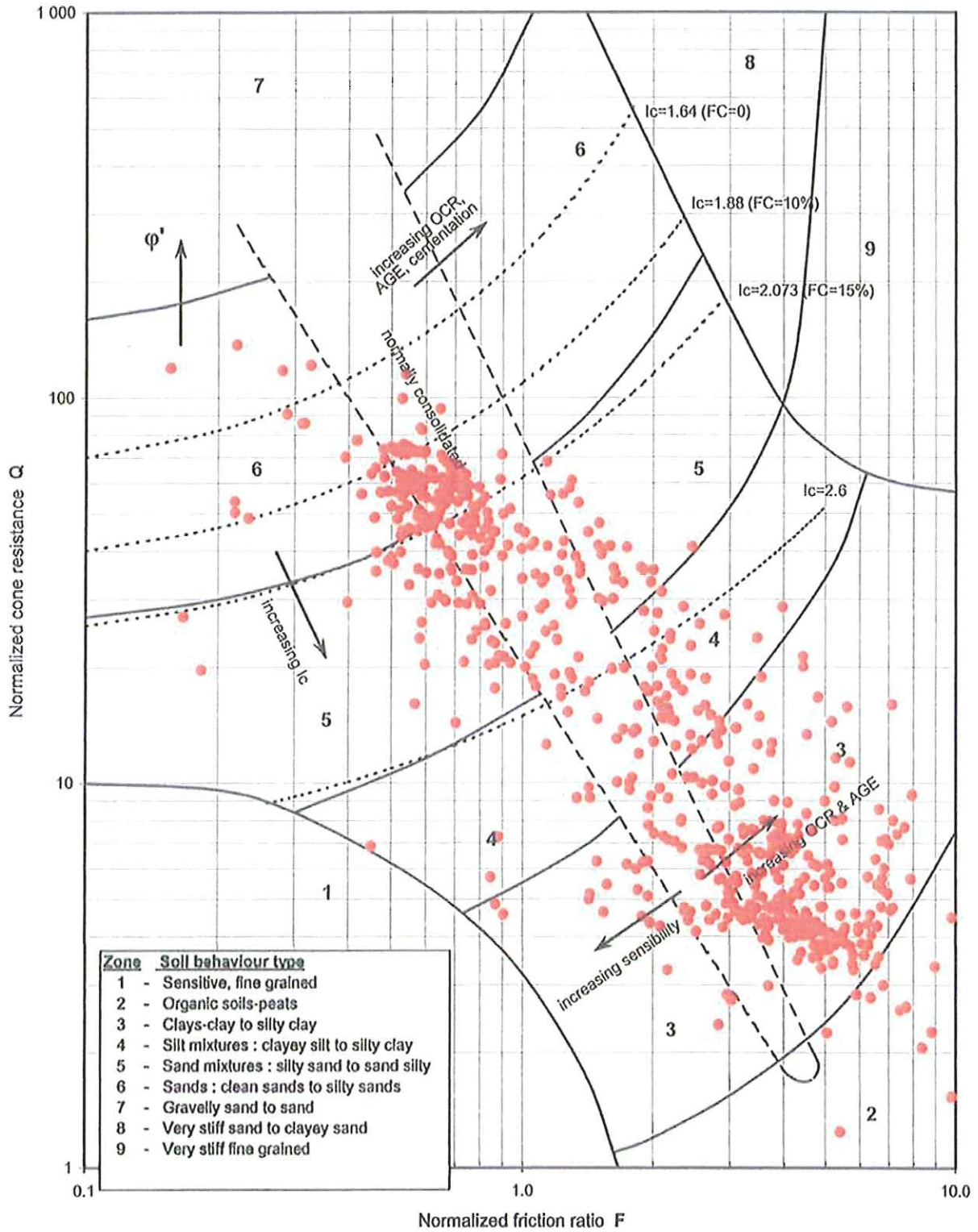
# Penetrometer CPTu 7



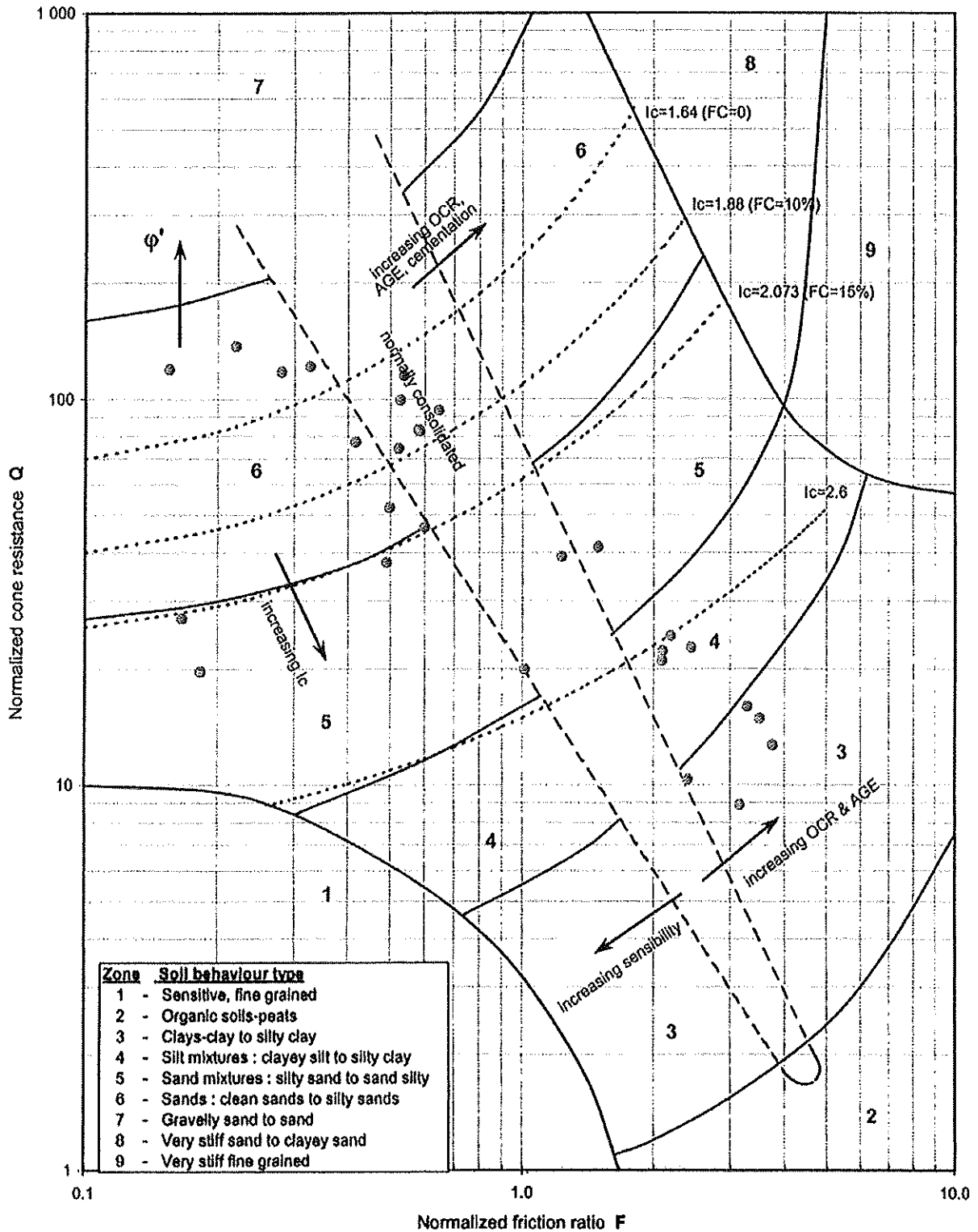
# Penetrometer CPTu 7



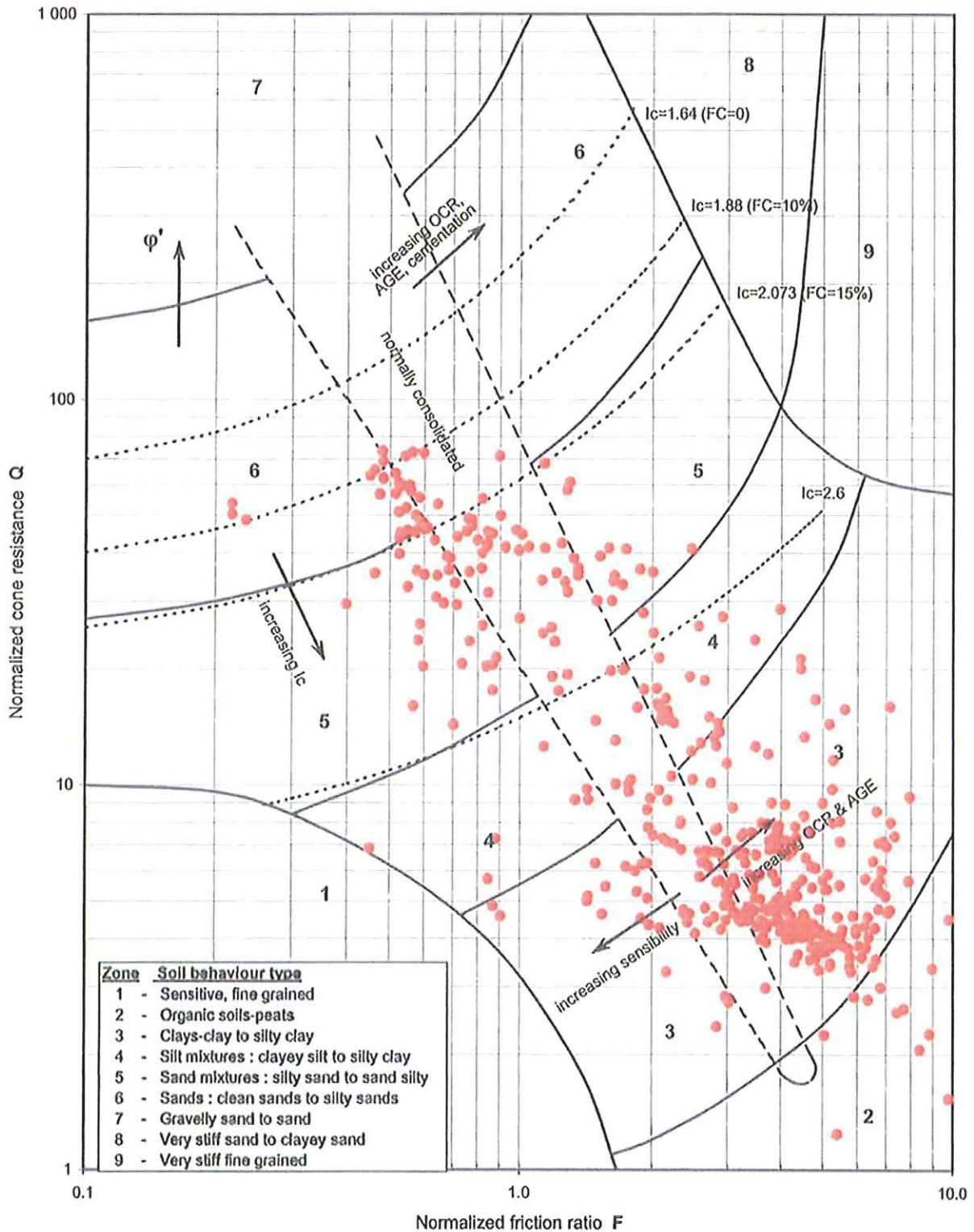
# Penetrometer CPTu 7



## Penetrometer CPTu 7 between 8.2 et 9m depth / sea level

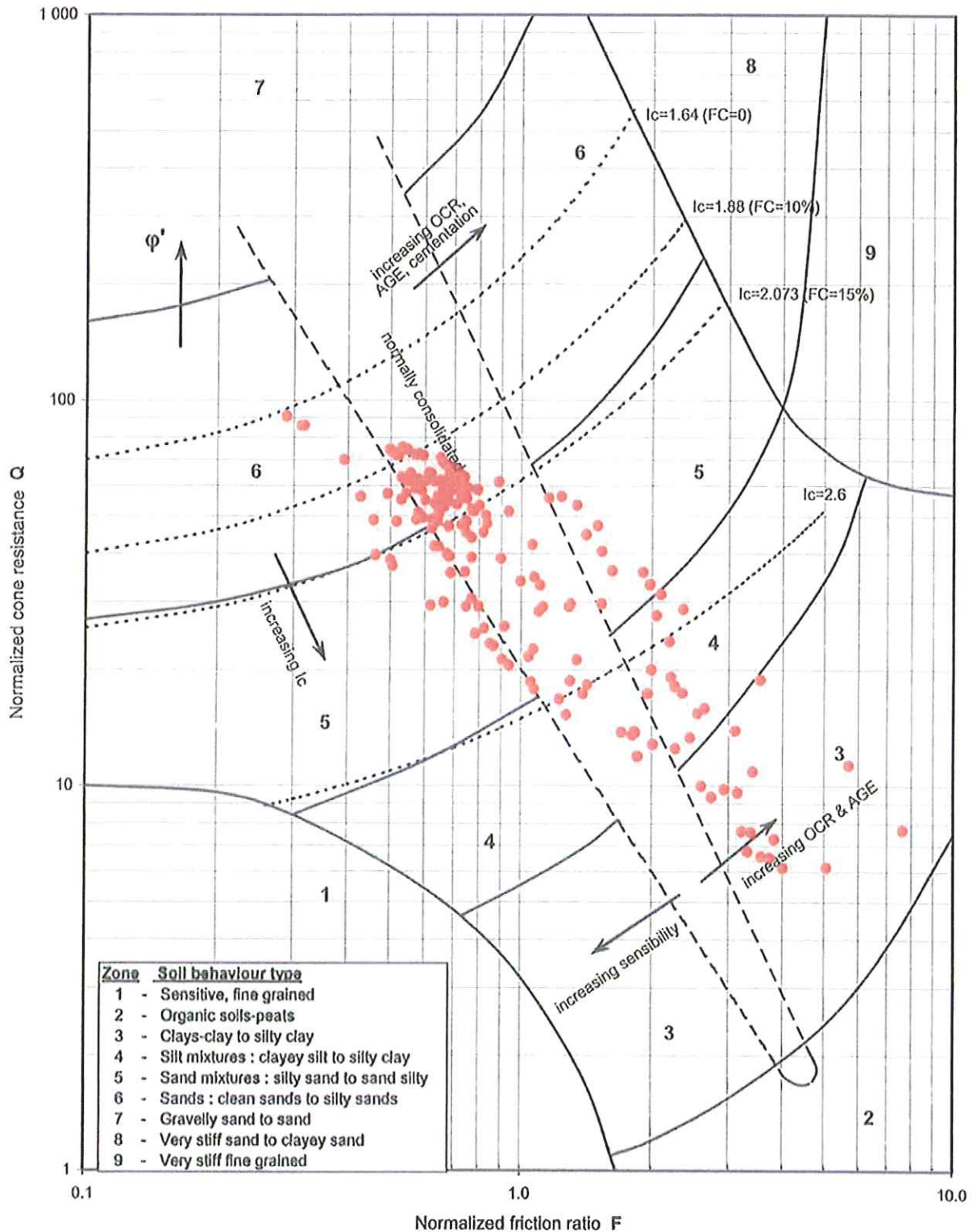


## Penetrometer CPTu 7 between 9 et 18m depth / sea level



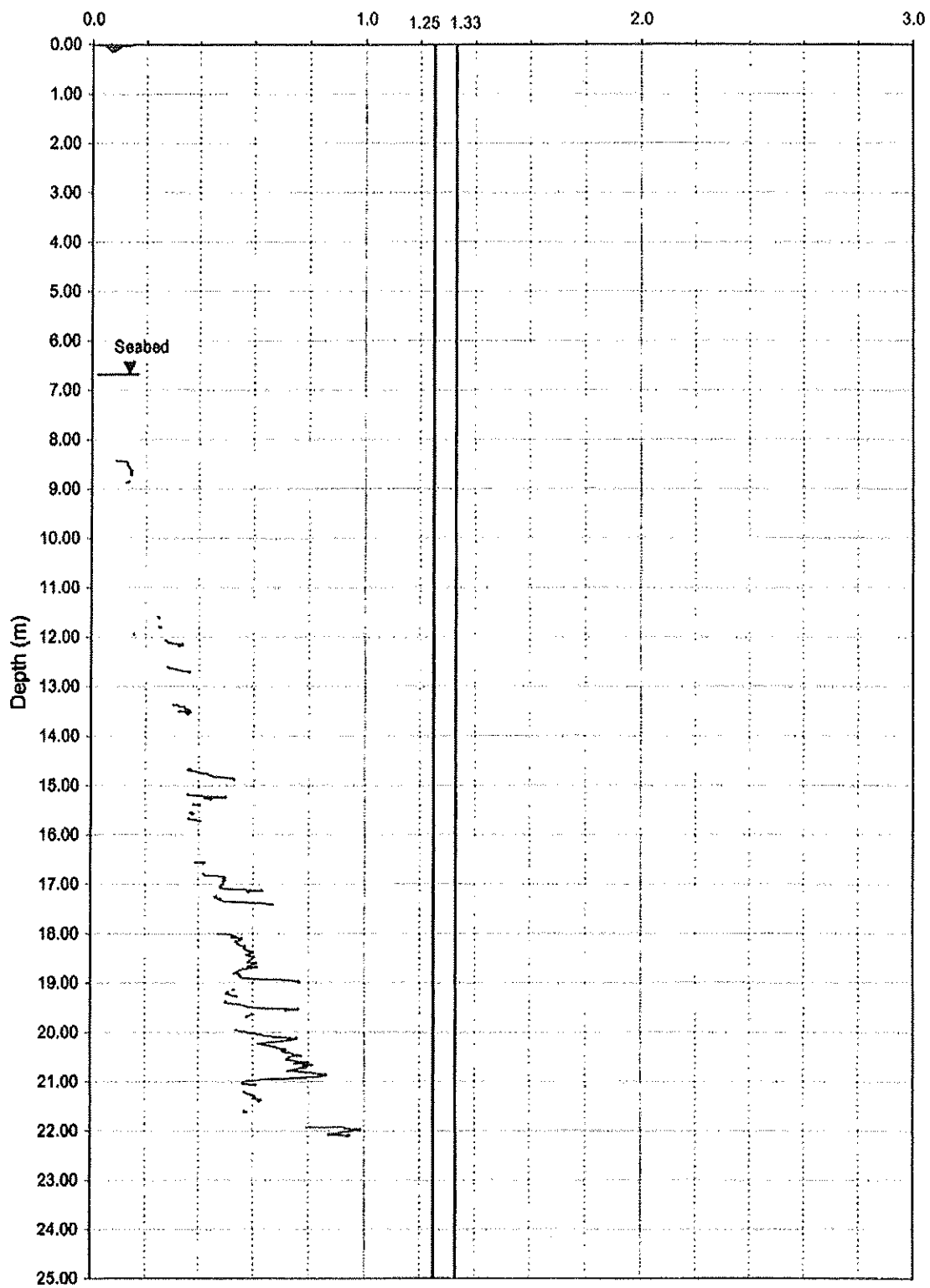


## Penetrometer CPTu 7 between 18 et 22.1m depth / sea level

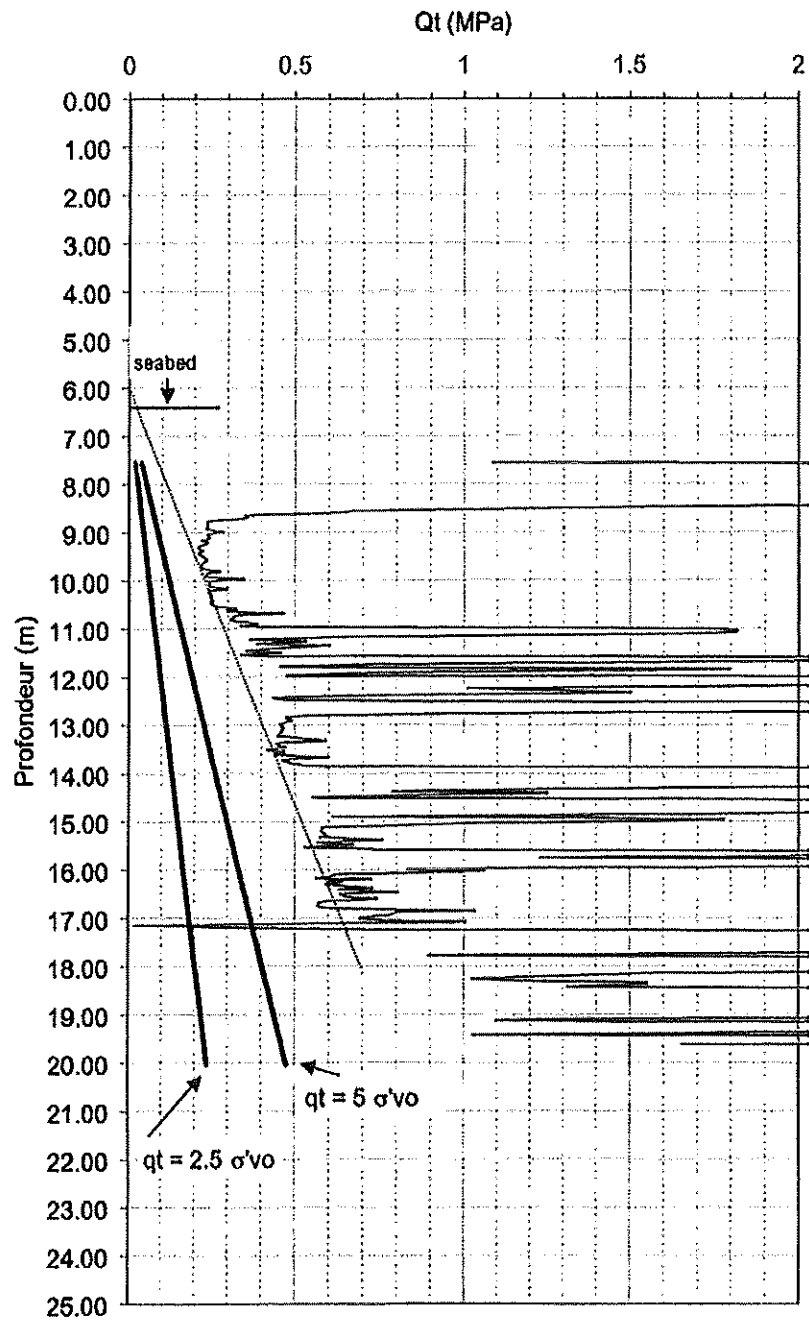


safety factor against liquefaction  
Penetrometer CPTu 7  
am = 0.21 g

FS



# Penetrometer CPTU 1



# Penetrometer CPTU 1

