

# IGS Technical Note

## Contact IGS

[www.insitu.com.au](http://www.insitu.com.au)  
 0407 INSITU (0407 467 488)  
 Fax 07 3358 4366

## Contact Allan McConnell

[allan@insitu.com.au](mailto:allan@insitu.com.au)  
 0417 748 669

## Geotechnical Services

CPT & Piezocone  
 Dilatometer  
 Seismic Dilatometer  
 Vane Shear  
 Tee-Bar  
 Eziprobe Sampling  
 Piezometer Installation  
 In Situ Permeability

## Field Fleet ("the girls")

Esme – 10-20t all-terrain



Beryl – 15t 4 wheel drive



Eunice – 20t 6x4 bogey

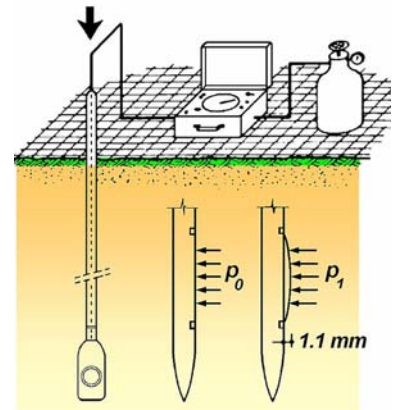


Baby Jayne – 15t portable

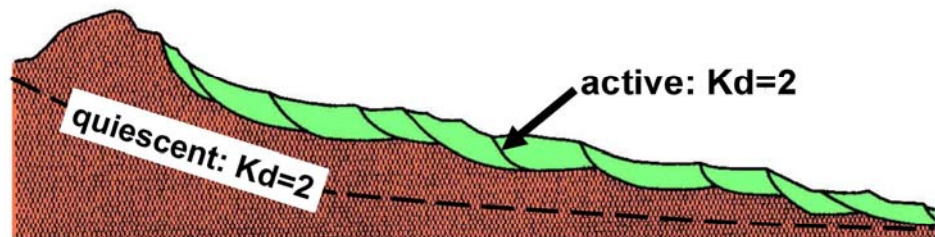


## A use for DMT that you might not know

The information below comes from Professor Silvano Marchetti, "father" of the Dilatometer. IGS now undertakes DMT testing on a routine basis. All our rigs are equipped and all our operators are trained.

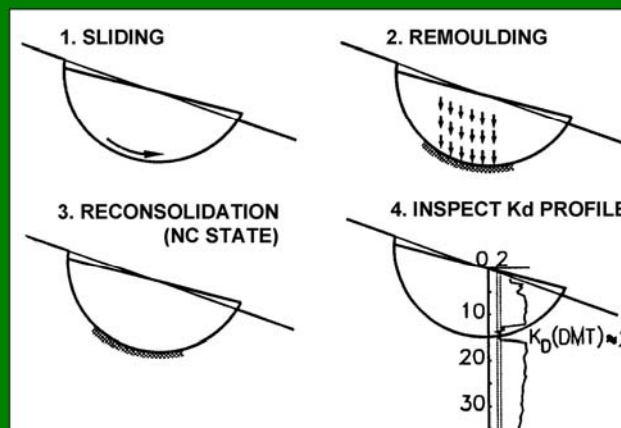


## Need to detect slip surfaces?



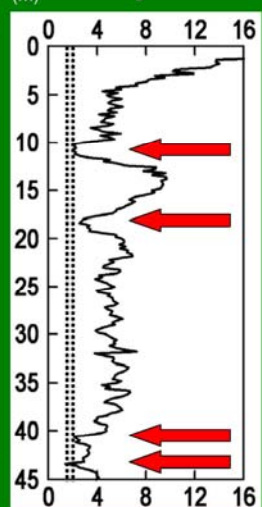
$K_d = 2 \rightarrow$  active/quiescent slip surface

## Formation of $K_d = 2$ (NC) zones



$K_d = 2$  denotes NC clay

## $K_d$ by DMT



[www.marchetti-dmt.it](http://www.marchetti-dmt.it)

reducing geotechnical uncertainty