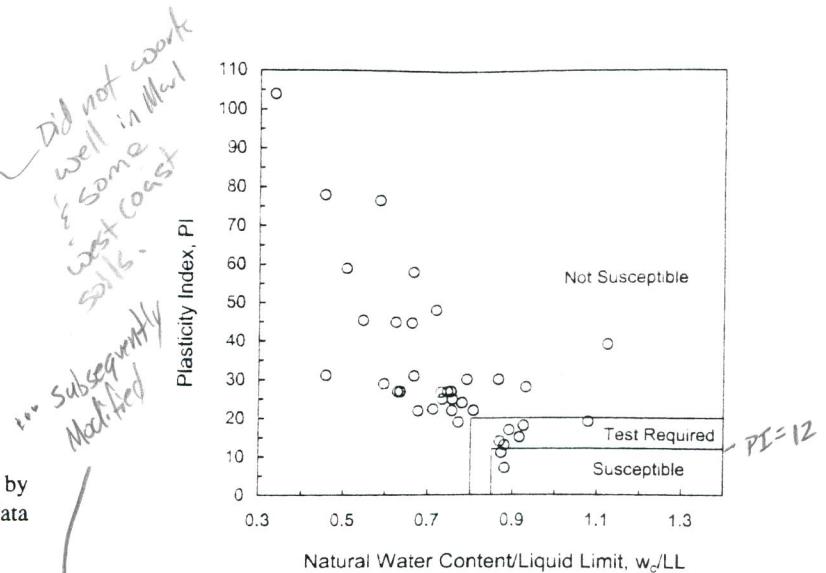
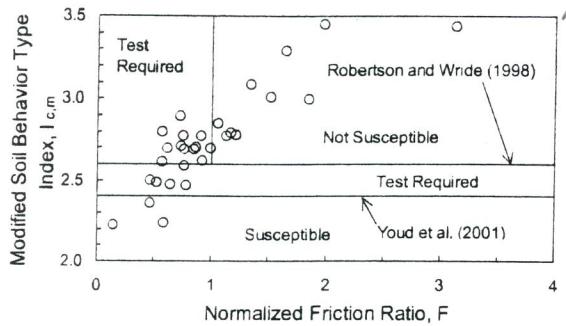


**Fig. 1.** Liquefaction susceptibility chart based on the  $I_c$  criteria by Robertson and Wride (1998) and Youd et al. (2001) with CPT data from the Cooper marl

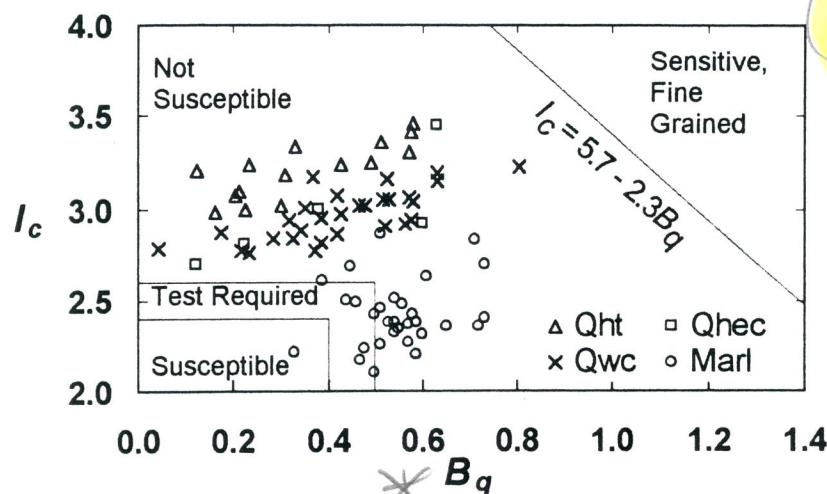


**Fig. 2.** Liquefaction susceptibility evaluation of SPT borehole data from the Cooper marl using the criteria by Bray et al. (2004)



**Fig. 4.** Replot of Fig. 1 using modified soil behavior type index,  $I_{c,m}$

Li, D.K., Juang, C.H., Andrus, R.D., and Camp, W.M. (2007). "Index Properties-Based Criteria for Liquefaction Susceptibility of Clayey Soils: A Critical Assessment," *Journal of Geotechnical and Geoenvironmental Engineering*, Vol. 133, No. 1, pp. 110-115.



**FIG. 4. Proposed CPT-based liquefaction susceptibility based on  $I_c$  and  $B_q$ .**

Hayati, H., and Andrus, R.D. (2008). "Liquefaction Susceptibility of Fine-Grained Soils in Charleston, South Carolina Based on CPT," *Proceedings of GeoCongress 2008*, ASCE, to be held in New Orleans, LA, March 9-12.