



Natural Resources
Canada
Geological Survey
of Canada

Ressources Naturelles
Canada
Commission géologique
du Canada

February 18 / 05

RE: BOT's Harpoon FFCPT Testing

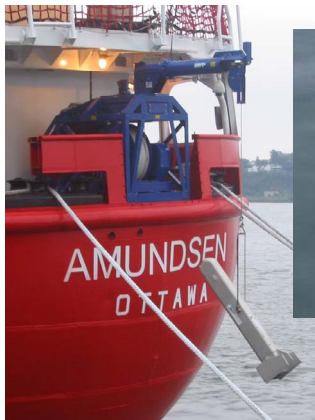
The **Harpoon FFCPT** is a variation of the standard FFCPT designed to add in-situ geotechnical test capability to any conventional piston or gravity coring system.



"Comparison of Harpoon FFCPT results with measured physical property data from shallow sediment cores recovered at the same site are extremely promising. Undrained shear strengths derived from the FFCPT match sediment consolidation trends observed along the Scotian margin and in fact match details observed from the cores recovered. These results give us confidence in decades of legacy data derived from sediment cores and show great promise for the FFCPT as a tool for the future to determine engineering properties for the top few tens of metres of the sediment column for our deep water geohazard and ground stability research."

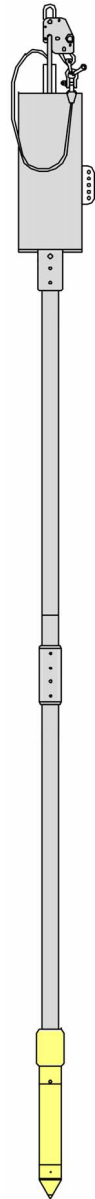


Plans are also underway to deploy the Harpoon FFCPT using Brooke Ocean Technology's Moving Vessel Profiler (MVP™) 300 profiling winch. The MVP300 can provide freewheel deployments of the penetrometer in automatic, continuous operation.



Sincerely,

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Research Scientist*



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