

Sediment? *Solved* expanded to include sediment stability instrumentation

Aquatec Group is delighted to announce the expansion of the Sediment? *Solved* range to include instrumentation to measure surface sediment stability, with the addition of Partrac's benthic flumes and Cohesive Strength Meter (CSM). Partrac's Sea Flume is the only commercially available benthic flume, which is designed for in situ studies of threshold, erosion velocity and erosional behaviour of undisturbed marine muds. Benthic flumes apply a controlled flow stress (or velocity) onto the surface of submerged bottom/bed sediments.

The Cohesive Strength Meter is a field instrument that directly measures the surface erodibility of marine, fluvial and terrestrial sediments. It permits rapid assessment of sediment critical entrainment stress and provides a relative measure of erosion rate. This information is important for the understanding of benthic habitat stability, contaminated sediment dispersal, river bank and agricultural land stability, and the geomorphology of estuaries and coastal areas.

Andy Smerdon, Managing Director, said 'The inclusion of Partrac's specialist equipment expands the scope of our Sediment? *Solved* range and allows our customers to explore sediment stability and erodibility, as well as observing and collecting sediment.'

Aquatec's Sediment *Solved* range includes instrumentation to observe and collect suspended sediment, and collect bedload and deposited sediment. Recent additions to the range include Aquatec's own AQUAlogger 310TY advanced turbidity logger.

Find out more at www.sedimentsolved.com.

Release

E-news and printed publication

Photo

'Benthic flume.jpg'

About Aquatec

The Aquatec Group are creators of innovative instruments, services and solutions for measurement, monitoring and communication underwater. They provide instrumentation solutions for all water environments, including offshore structures and pipelines; oceans, estuaries, rivers and lakes; and marine mammals and fisheries. Aquatec was founded by the current Managing Director in 1990 as a specialist consultancy in oceanographic instrumentation design. Since then, the company has established a diverse portfolio of products for measurement of physical oceanographic and

process parameters including temperature, depth, vibration, attitude, suspended sediment, and marine mammal activity, as well as underwater data communication systems and marine mammal deterrents.