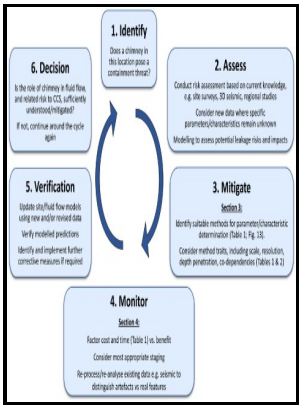
Shipboard measurement of acoustic velocities in sediment cores

s.n. - In situ measurement of electrical resistivity of marine sediments, results from Cascadia Basin off Vancouver Island



Description: -
-Shipboard measurement of acoustic velocities in sediment cores
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Effect of methane hydrate morphology on compressional wave velocity of sandy sediments: Analysis of pressure cores obtained in the Eastern Nankai Trough

For the examples in Fig. As described in connection with Fig.

Comparison of laboratory and in situ compressional

Working under the assumption that the entrainment flux during the period of accelerating flood currents is an approximation of the gross erosion rate, a linear relationship also shown in Fig.

Acoustic response of gas hydrate formation in sediments from South China Sea

However, as mentioned subsequently, the estuarine circulation component is included in the post-processing of the results. Also, a fraction near the surface of the water column was not measured due to interference and binning artifacts.

MEASUREMENTS OF VELOCITY PROFILES AND SUSPENDED

On average, the SSC data are seen to follow a predictable pattern. The in situ bulk density for cobbles suspended in sand is 2. The rotation speed of the disc is used to impose varying shear stresses, with a suction pipe located at the center of the disc to extract the water containing eroded sediments, and for minimizing secondary currents.

MEASUREMENTS OF VELOCITY PROFILES AND SUSPENDED

In the case of stations 5 and 9, the critical shear stress reaches 0.

Instrumented pressure testing chamber for characterizing sediment cores recovered at in situ hydrostatic pressure

The following sections provide an overview of the study area, the relevance of the fluff layer for sediment dynamics in tidal and estuarine systems, the data used, the analytical procedures involved, followed by a discussion of the results. Since the SSC field down-estuary of RM 1. The former bed-water exchange process represents the mobilization of sediments from the bed followed by entrainment into the water column, and the latter process represents the settling of suspended sediment through the water column followed by deposition onto the bed surface.

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