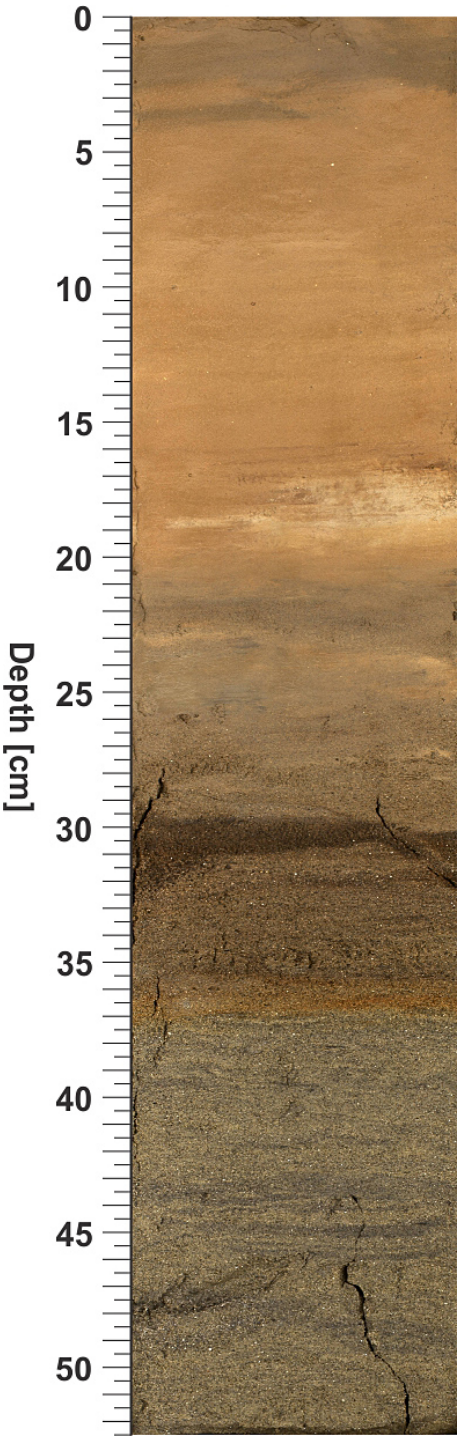
XRF core scanner container lab

XRF core scanning is a fast and non-destructive method for qualitative element-geochemical measurements of marine sediment cores and rock samples.

The department owns an Avaatech XRF core scanner that is installed in a 20-feet container, making the instrument mobile. The instrument is able to measure elements from Mg to U, depending on their concentration. Sampling intervals and sizes of analyzed areas can be varied.

The scanner has been upgraded with a motorized Y-axis allowing cross-core measurements, a high efficiency slit unit, as well as with a u-channel slit unit. A high-resolution line-scan imaging system is part of the instrument (installation of a UV light source is possible).

Inside the XRF container and to the right close up of Avaatech XRF core scanner.



Core sample.

Contact persons for lab:

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