



Instructions for using the HTH Corer

Please note that it is very important to read and follow the instructions carefully. The corer should only be used by professionals with documented knowledge in the relevant discipline or disciplines.

- Be sure that the corer is secured and the cable is fastened.
- You can vary how far the corer penetrates into the sediment by selecting one or two rings furthest down on the corer.
- Keep the cable taut when lowering the sample tube to prevent the flapper from releasing.
- Lower the corer until it is 0.5 - 1m above the sediment surface, pause for about 10 sec. to allow the corer to stop oscillating and/or rotating.
- Lower the corer until you feel a light tug on the cable, don't slacken the cable.
- Pull up the corer in a slow, steady, continuous motion.
- Put the piston in the bottom of the tube before lifting it out of the water.
- Remove the tube from the corer.
- Place the tube with piston on the extruder rod. For inflatable boats it is preferable to use only the small base, which may be unscrewed from the full-sized base plate.
- Release the lock and manually move the core tube downwards until the sediment-water interface is a few centimetres below the top of the tube.
- Attach the sectioning tray on the top of the tube.
- Press out the sample by turning the extruder's bottom, one turn $360^\circ = 5$ mm.
- Scrape the samples into a plastic bag, which fits on the end of the platform, or into suitable plastic containers.

Good luck!

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Cleaning Instructions for the HTH Corer

- Do not expose the tube to temperatures higher than 60° C, it can deform the tube.
- *Only use water or mild soap when cleaning the equipment!*

The tube can crack if alcohol or some other cleanser is used.

Clean the equipment carefully after use to avoid corrosion. This is particularly important when the corer has been used in salt water.

- Rinse all parts well to prevent future contamination of sediment samples.
- Dry the equipment and storage box thoroughly before putting it away.