

II. Water Quality

7. Properties of bottom sediment *Currently data is not available.

(by Kuninori Otsubo)

1. Sampling and pretreatment

A core-sampler of the self-weight type was used. In order to obtain undisturbed samples, a sampled core in the cylinder was pushed upward from the bottom of the core through a rubber tap attached to it. After removing the overlaying water, the sediment core was pushed out from the top of the cylinder and sliced. The samples were weighed at first and dried by the freeze-drying method to avoid their deformation and shrinkage during the process of drying.

2. Analysis

(1) Water Content

The weight of the solid phase of the sample was determined after it was dried by the freeze-drying method. The weight of water in the sample was determined by the difference between the weight of the sample before and after drying.

(2) VSS

The weight after burning was defined as that of the sample burned at 600°C for 3 hours.

(3) Specific Gravity

Specific gravity was measured by use of specific-gravity bottles under 4°C.