

色相計測による閉塞盆地埋積物中の 有機炭素含有率推定の試み

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Validity of Estimating the Organic Carbon Content of Basin Sediment Using Color Measurements

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Abstract

Psychometric lightness (L^* value) measured by a colorimeter offers a rapid means of obtaining the organic carbon content of sediment. We measured peat and lacustrine sediments covering the past 300 ka—106 samples for L^* value and 197 samples for organic carbon content. L^* values are highly correlated with organic carbon contents. Therefore, L^* values are a convenient alternative to measuring organic carbon contents.

Key words : L^* value, organic carbon, basin sediment, color measurement

キーワード : L^* 値, 有機炭素, 閉塞盆地埋積物, 色相計測

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