sediment core
137Cs activity
1963
sediment core depth
High-quality 137Cs profile
clear peaks OR several points on downside indicating exponential decrease
+ cumulative inventory value ≥ 500 Bq m-2
Low-quality 137Cs profile
disturbed or noisy peaks
+ cumulative inventory value < 500 Bq m-2
High-quality 210Pb profile
linear regression of ln 210Pb vs. mass
(passes normality and constant variance AND
R2 > 0.5 AND p-value < 0.05
Low-quality 210Pb profile
no valid linear regression of ln 210Pb vs. mass
ln 210Pb data
Mass
Quantiles of 210Pb OC sequestration rate
Quantiles of 137Cs OC sequestration rate