



Correction to: Geochemical contamination in the Densu Estuary, Gulf of Guinea, Ghana

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The correct equations are presented below:

The enrichment factor is calculated using the formula (Ergin et al. 1991):

$$EF = (X/Fe)_{\text{sediment}} / (X/Fe)_{\text{Background reference}}$$

Where X/Fe is the ratio of the concentrations of metal X (element) to Fe (normalized metal or element).

Contamination factor (CF) is a ratio of the concentration of a metal in sediment to natural abundance (pre-industrial reference value for the same metal):

$$CF = C_{\text{metal}} / C_{\text{background reference}}$$

The pollution load index (PLI) is determined by the formula (Tomlinson et al. 1980):

$$PLI = n\sqrt{(CF_1 \times CF_2 \times CF_3 \dots \times CF_n)}$$

Where,

CF	=	$C_{\text{metal}} / C_{\text{background reference}}$
CF	=	contamination factor, n = number of metals
C_{metal}	=	metal concentration in the sediments
$C_{\text{background reference}}$	=	background value of each metal
PLI	=	Pollution Load Index

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