

Bioconcentration de métaux lourds chez une annelide polychete estuarienne: Nereis diversicolor



The concentrations of twelve heavy metals in sediments and in female *Nereis diversicolor* collected in the estuary of the River Aa and in the little harbour of Boulogne were investigated. Concentration variations which were sometimes considerable were found according to the site, the period of the year, the age of the animals and the cations studied. In addition, numerous intermetal correlations were detected in the nereis. Cytochemical and radioautographic studies revealed that the tegument and the gut were two routes of penetration and storage. Moreover, the gut could be a detoxification and excretory site.

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