

Examples of nitrogen tracking (for the Loire river)

from Lo

The pattern of the percentage of nitrogen from Loire in each compartment is very similar to the statistical marine receiving area described above. The percentage of nitrogen coming from Loire river is :

between 20 and 30% (aged of less than 1 year) in the area closed to the estuary
around 5-10% (aged of about 1.5 year) in the Western Channel

- about 2 % (aged of about 3 years) in the entrance of the North Sea.

When going into more and more higher trophic levels

(nitrate=>diatoms=>mesozooplankton=>benthic detritus), the percentage of nitrogen coming from the Loire river increases in the entrance of the Channel.



2003 annual mean of the percentage in 4 compartments of nitrogen coming from Loire river



100 150 200 250 300 350 400 450 500 600 100 800 500 1000 1280 1500 1788 days