

ABUNDANCE OF BIVALVES *ABRA ALBA* AND *MYTILUS EDULIS*,  
IN AN ORGANICALLY ENRICHED AREA

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ABSTRACT

Variations in abundance of *Abra alba* and *Mytilus edulis* were studied in Alrø Sund, east coast of Jutland, Denmark. Samples were taken in May, August, and October 1995 with a view to test if organic enrichment from a nearby trout farm would affect the populations of bivalves. Abundance of the two bivalve species was not correlated with fluctuations in total organic carbon and total organic nitrogen in sediments. Organic enrichment of the magnitude created by this trout farm could not alone have caused the observed fluctuations of bivalves. The abundance of *A. alba* reached its maximum in May and *M. edulis* in August.