



Seasonal Variation of Heavy Metals on Phytoplankton in the Inner Part of Boka Kotorska Bay (Eastern Adriatic Sea)

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Abstract: It was investigated content of heavy metals (Fe, Cu, Ni, Zn, Pb, Cd) in sea water and phytoplankton at five stations in the inner part of Boka Kotorska Bay. With the exception of Cd, the concentration of heavy metals was within the range of value for the Mediterranean. Increased fresh water inputs in inner part of Boka Kotorska Bay carry significant amounts of heavy metals, which result in the increased heavy metal levels in the surface layer. It seems that natural inputs (atmospheric inputs, water streams, submarine springs) of heavy metals are dominant compared to anthropogenic sources in this part of Adriatic Sea.

Key Words: *Trace metals, phytoplankton, Adriatic Sea*

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