

**MONITORING OF LEAD, COOPER AND ZING FROM LAND BASE
SOURCES IN THE GULF OF ELEFSIS**

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ABSTRACT

Lead, copper and zinc have been determined in dissolved and particulate forms in effluents of land base sources and sediments from adjacent “hot spots” situated alongside the northern coastline of a typical, polluted, almost enclosed Mediterranean embayment, the Gulf of Elefsis, near Athens. The highest concentrations of metals were found, in order of importance, in shipyards, crude oil refineries, iron and steel works, paper industries and fuel storage tanks. The largest concentration of important land base sources for metals occurs in the eastern section of the gulf, particularly industrialized area.