

TRENDS OF POLLUTANTS IN THE EASTERN
MEDITERRANEAN COAST OF TURKEY

by

I. Salihoglu

Middle East Technical University,
Institute of Marine Sciences
P.O. Box 28, 33731 Erdemli-Içel
Turkey

ABSTRACT

Evaluation of the MEDPOL II data obtained from studying the land-based sources of pollution and the coastal regions of the Northern Levantine basin indicates both significant and gradual increase in pollutant concentrations in recent years. BOD₅ and COD fluxes from rivers and domestic effluents, increased drastically while in industrial sources, as expected, remained almost constant during the same period. TSS loads decreased in almost all rivers but in domestic effluents a very rapid increase was observed.

Between 1983-1986, the concentrations of mercury determined in waste waters appeared high because of mishandling of the samples; these concentrations dropped tremendously in consequent years. A very slight and/or non significant increase was observed after taking contamination precautions.

Total cadmium measured at source points didn't show a significant increase during this period but cadmium in particulate matter showed an increasing trend in both domestic and river inputs.

DDPH shows short-term variations in coastal waters which is attributed to the variation of the physico-chemical properties of the media.



منظمة الأغذية والزراعة للأمم المتحدة

联合国粮食及农业组织

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

ORGANISATION DES NATIONS UNIES POUR
L'ALIMENTATION ET L'AGRICULTURE

ORGANIZACION DE LAS NACIONES UNIDAS
PARA LA AGRICULTURA Y LA ALIMENTACION

FIR/MEDPOL/LES/3

30 SEPTEMBER 1994

SECOND FAO/UNEP SUB-REGIONAL WORKSHOP ON THE MONITORING OF CHEMICAL CONTAMINANTS IN MARINE BIOTA FOR TRENDS

Lesvos Island, Greece 19-22 October 1994

ABSTRACTS

(Organized in the framework of the Long-term Programme
for Pollution Monitoring and Research in the
Mediterranean MED POL - Phase II)

In cooperation with:



Athens, September 1994