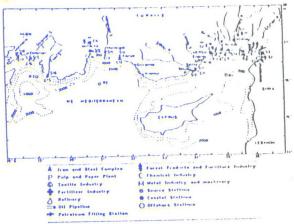
State of pollution of the Turkish coast of the Eastern Mediterranean by land based sources

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Pollowing the development of the regional seas programmes for protection of the Mediterranean Sea against pollution (UNEP, 1982; UNEP, 1985), the member countries have spent more effort to reduce the waste discharges and to assess the present level of pollution in the receiving marine environment as well as for determining the annual loads of hazardous pollutants given to the coastal waters of the Mediterranean.

It is important to note that there have been a great migration from the eastern and inland areas towards the Aegean and Mediterranean coasts of Turkey extending from Iskenderun to Izmir-resulting in uncontrolled population increase and serious problems in relation to environmental pollution during the last decades. The industrial establishments preferring to locate at the coast and especially the coastline between Mersin and Iskenderun to Northeastern Mediterranean region (Figure 1) is intensively industrilized (e.g. iron and steel, textile, food, paint, soda, pulp and paper, ferro-chrome, plastic, artificial fertilizer and petroleum industries). In this article, the pollutional status of the NE Mediterranean coastal waters from land-based sources is presented from the data of 9 years (1983-1991). The parameters monitored at the main sewage outlets, rivers and industrial discharge points were. Total Suspended Sediment (TSS), Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Feacal Coliform (PC), Poliaromatic Petroleum Hydrocarbona (PAHI) and Nutrients (PO4-P, Total-P, NO3+NO2 and Total-N) and the average values are given in Table sources were estimated and compared with the other Mediterranean regions. On the regional basis, Iskenderun and Mersin are the most polluted regions relative to western coastal stalings and at three offshore stations (Fig. 1). The annual loads of these pollutants from land based sources were estimated and compared with the other Mediterranean regions. On the regional basis, Iskenderun and Mersin are the most polluted regions relative to western coastal stalings and



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Figure 1. Locations of rivers, industrial and domestic inputs and coastal, offshore stations included in the pollution source inventory in the Northeastern Mediterranean.

Station	Company of the Compan				
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	ling/L1	Imp/L1	tmg (1)	Bed rettersboand	he.r
Ishenderun Sewaga (SI)	10.5	62.4	122.5	1011 0-10 3 .	(3.3
Sariashi Fortilles. (52)	691 3		64 7		1.2
from and Steel Complex (\$3-A)	11.0	31.5	150 9	41 2410	316
(Residental area) from and Stael Complex (53 B) (Industry)	441.4	10.9	*1 4		271 6
Tores Fartillzer	16 39 4	13.1	108 3		21 6
(Acidle EffluentHS4 A)					1000
(Basic Effluent) (\$4-8)	138.3	2.4	104 \$		130 0
Betas Oli Pipe line (55)	3 8	-	-		199
Coyban River (%)	200 1	4.6	24.4	\$ 4 = 10	4.7
Soyhan River (S7-A)	19.3	6.9	48 0	29 6010	7 3
Adams Sawage (\$7-8)	271	23 1	2117	204 419	413
Bordan Stroom (50)	26 2	3 9	11.4	\$ 0-10	4 2
Merata Sawage (59)		74 2		9360.10	91 7
Sohou Diver (511)	134 7	1.0	22 2	0 0 - 10	1.4
Pulp and paper Industry (\$12)	61.1	120 0	215 0		81 0
Manargat Stream (514)	15.2	2.9	0.4	0 1-19	0.6
details Sawage (\$15)	12 9	107 9	300 6	143 3-10	1 4

Table 1. Overall average of some p me pollutants measured at sel Northeastern Mediterranean

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Rose Comm. int. Mer Médit, 33, (1992)