

Annex 13

*Environmental Impact Assessment
(EIA) for Sofulu Site Development*

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13 Environmental Impact Assessment (EIA) for Sofulu Site Development

13.1 Purpose of the Project

The Government of Turkey aims to improve the nation's solid waste management system. In February of 1996, the government devised the Study on Appropriate Solid Waste Management Practice to provide guidelines for solid waste management countermeasures. The Study proposes seven pilot projects, of which one entails the preparation of a solid waste management plan at a regional level.

The study designates the greater municipalities of Adana and Mersin, both located within the Mediterranean region of Cukurova as model areas for the regional solid waste management plan, and proposes a regional plan that would cover both cities. However, both greater municipalities discussed each other and decided to prepare the respective solid waste management plan and conduct the feasibility study for the priority project individually.

The solid waste system in both cities is beset with the problems below. To implement the required improvements, the formulation of a solid waste management plan is imperative.

1. Open dumping in the final disposal site or the lack of environmental protection measures has adversely affected the nearby environment. In addition, the final disposal sites are managed inadequately due to the mixed disposal of general and infectious wastes.
2. New final disposal sites are urgently needed as the existing final disposal sites are nearing its full capacity.
3. There is a lack of financial sources necessary to improve the conditions.

Given these conditions, the Government of Turkey requested the assistance of the Government of Japan for the implementation of the "Study on Regional Solid Waste Management for Adana-Mersin in the Republic of Turkey". In response, the Japan International Cooperation Agency (JICA), the agency responsible for extending technical assistance, decided to implement the study in close co-operation with the relevant authorities of the Government of Turkey.

This Environmental Impact Assessment was carried out for the priority project (1999-2005) of Municipal Solid Waste Management including medical waste in Adana.

13.2 Location of the Project Site

Adana is situated in the Mediterranean Sea Region and the project site is located approximately 10km by road to the north-east of the centre of Adana City, adjacent to the Old Kozan Road, known as "Sofulu Waste Damping Area" as shown in Figure 13-1 and Figure 13-2.

1. Final disposal site for general waste (phase 1, 2 and 3)
2. Medical waste disposal site
3. Sorting plant
4. Compost plant
5. Leachate regulation pond
6. Green buffer zone

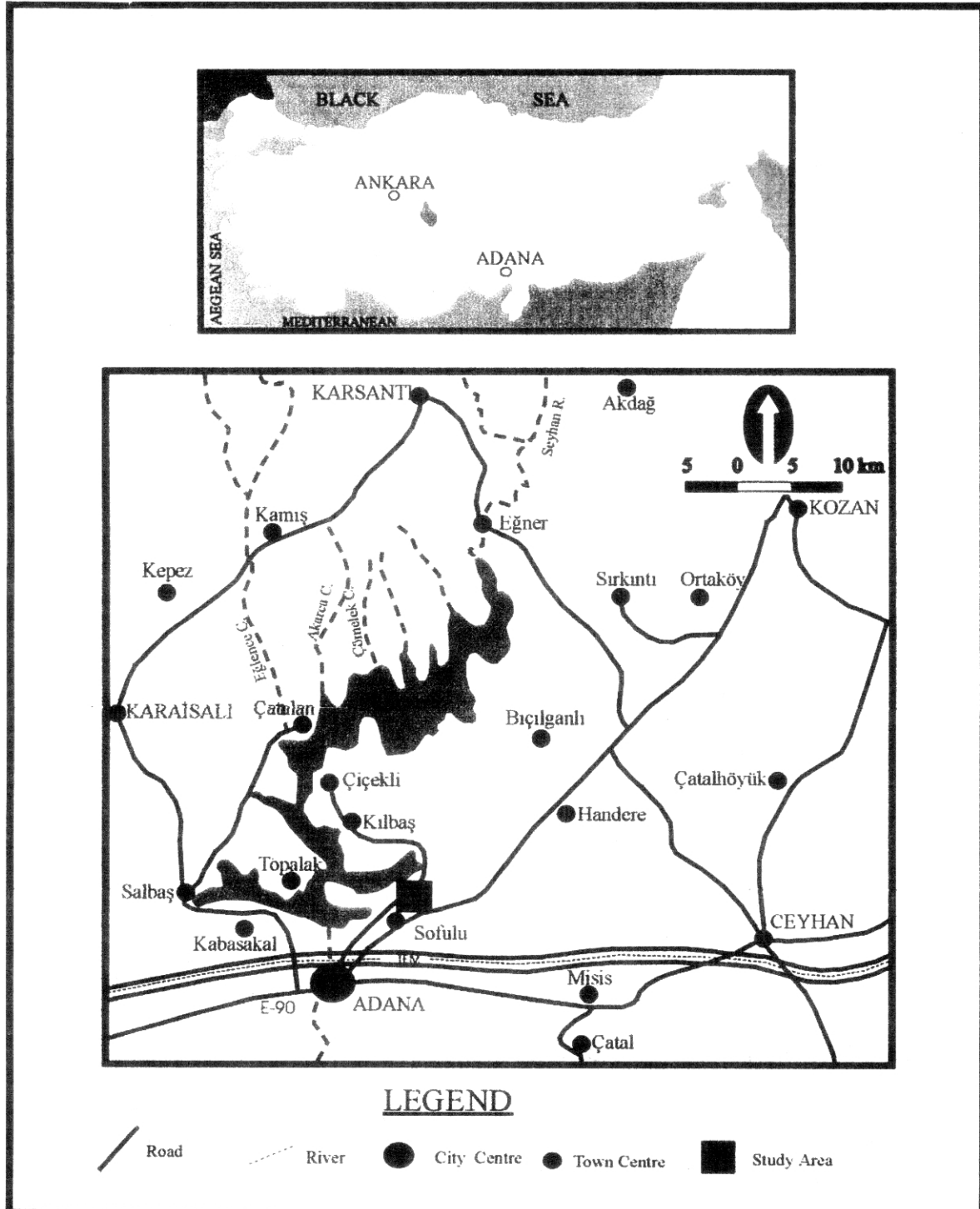


Figure 13-1: Location of the Proposed Site (1)