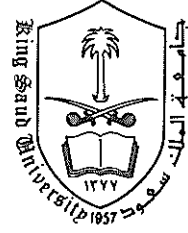




Geographical Studies
RESEARCH PAPERS IN GEOGRAPHY

12



Environmental Problems and Management in Greater Khartoum

Prof. El-Sayed El-Bushra Mohamed
Dr. Bader-Eldin Taha Osman

1426 A.H

2005 A.D

OCCASIONAL PAPERS PUBLISHED BY THE SAUDI GEOGRAPHICAL SOCIETY
KING SAUD UNIVERSITY—RIYADH
KINGDOM OF SAUDI ARABIA

Environmental Problems and Management in Greater Khartoum

Professor El Sayed El Bushra Mohamed

Geography Department, Faculty of Education, University of Khartoum, Sudan

Dr. Badr-Eldin Taha Osman

Geography Department, College of Art, King Saud University, KSA

Abstract:

Urban Environmental problems or the group of problems caused by urban population due to the destruction of the natural environment within the urban system represents a major present and future threat to the urban life and welfare. In this context, Greater Khartoum faces some environmental problems that generated by geographical and socio-ecological interactions. Respectively, it was becoming so difficult to solve these environmental problems due to financial, administrative, planning, implementation and operational problems, in addition to the absence of good Urban Information System (UIS).

This research aims at studying the obstructions that lead to the overall deterioration of urban environment and the quality of life in Greater Khartoum through the following objectives:

1. Defining the environmental problems in Greater Khartoum and their natural and cultural dimensions;
2. Defining the main elements of failure in managing the urban environment in Greater Khartoum and;

3. Suggestion of reasonable and practical solutions that may help in the management of the Capital's urban environmental system.

Finally, the research concludes with the following proposed solutions:

1. A set of map-based proposals to solve the environmental problems in Greater Khartoum;
2. A guide map for the improvement of urban environmental conditions in terms of land use, infrastructure, recreation etc. in Greater Khartoum.
3. A model plan for building an efficient GIS-based Urban Information System (UIS) in order to support and improve urban environmental management in Greater Khartoum.