

Evaluation of the Suitable Measures towards Sustainable Water Resources in Palestine

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Abstract

As the supply/demand gap continues to expand the careful management and planning of Palestinian water resources becomes more essential. In order to achieve sustainability of the sources and fill the deficit effective management techniques must be introduced. This paper discusses an Integrated Water Resources Management (IWRM) planning tool used to evaluate the overall socio-economic and environmental situation of a specific region that could be at a national, regional or local scale and a specific period of time called the management period. In general this tool is an interactive computer-based system intended to help decision makers utilize data and models to identify and solve problems and make decisions. The general objectives of the tool are to build a rational environment and socio-economic database for a specific area, evaluate the baseline situation in terms of social, economical and environmental aspects as well as the future situations and to facilitate the opportunity to build social, industrial and agricultural future plans.

Keywords: Integrated water resources management, planning tool, social, environment, economy, indicators



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