Investigation of Ecological Models of Neyzar Qom's Watershed Area in terms of Agricultural, Grassland and Forestry

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Abstract

Study, planning and implementing protection operation lead to correct exploitation of renewable energy resources and sustainable development. From these, vital sources are water and soil. The aim of this study is to investigate the agricultural and forestry aspects of ecological model of Neyzar Qom's watershed in ۲۰۱۲. Neyzar watershed area is about ۱۲۸۲۱,۳۸ hectare. Therefore, in this study, the presumed zone has been divided into ۹ dependent and independent areas. It is worthy to choose the best option in order to have the optimum utilization. This phenomena names priority determination. At first, obtained maps for different utilization have been merged and potential of the regarded zone has been estimated. Next step includes qualitative, deductive method to determine the best priority. Finally, eleven useful components for different areas have been selected. By comparing obtained maps and useful components of selected areas, some contradictions observed. It can be concluded, that, ٤۰ hectares of south east and south west of the zone should be converted to grassland. Other contradictions related to limited grassland area which should be used as a protected area for wild life. Albeit, agricultural areas located at east of the zone, can be used as water crop.

Keywords: Natural resources, Watershed, Ecological model, Neyzar Qom.

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