

Abstract

Land use planning is the sciences which determine type of land use according to the characteristics of social- economical and ecological condition of land. Assessment of land capability and land use planning conducted to use land according to suitability and capability. Scientists are using several types of methods to assessment use of land which preserve sustainable development. In many parts of Iran users are misusing land without consideration of land suitability and capability. Result of this misusing caused west economical capability and reduce environmental potential. In this research GIS software is used to prepare land use planning and mapping in Meyanjangal Watershed of Fasa Region with area of 88337 hectares. GIS is used to prepare digital elevation model, slop, geographical directions, soil land cover maps to combined two of them together and finally create 89 unrepeatable environmental units and mapped with scale of 1/50000. Characteristics of climate types of present land use and soil erosion for each unit are recorded. For each environmental unit or small ecosystems also is prepared ecological assessments for agricultural, rangeland, forestry, aqueduct, tourism and grading among different land use qualification method is chosen to prepare land use map af showing that meyanjangal watershed. Result is showing from total area 34.98, 33.07, 16.91, 7.75, 3.87, 3.43 are related to forestry, rangeland, tourism ,agriculture, environmental protection and Rural-development.

Key words: Land use planning, landform, land use, watershed, the ecological capability, Meyanjngl



University of zabol

Graduate school

Faculty of Water and soil

To Department of Range and Watershed Management

The Thesis Submitted to for Degree of M.Sc

in the field of Dedesertification

**Determination of Suitable Land use, using
Land use Planning Process in Meyanjangal
Watershed of Fasa Region**

Supervisors:

Dr. A. Pahlavanravi

Advisor:

Dr. A. R. Zareiee

Dr. F. Bahreini

By:

J. Azadi shiri

December 2015