

عنوان مقاله:

DEVELOPING A GIS BASED WATER RESOURCE MANAGEMENT TOOL:(NATIONAL IRANIAN WATER USAGE
(AND RESOURCE SYSTEM BY GIS

محل انتشار:

دومین کنفرانس بین المللی آب، محیط زیست و توسعه پایدار در مناطق خشک و نیمه خشک (سال: 1388)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Water and water resource management are one of the main elements in regional and national development. Increasing efficiency in water and soil supply usage and procure industrial needs for water and urban drinking water have importance rule in increase economic growth and development indexes. This infrastructure could have a good rule in undevelopment region progress. Use of database could help managers and planners in preparing new condition for decision and policy in this region. Geographic information system (GIS) as a new tools in practical works used form 1980 decade an since 90th with progress in hardware and software used extensive in location based science. Use of GIS in water resource management had long experience. In current years GIS have many progresses in tools and applications for water resource management. This paper utilizes geographic information systems to map the use of the water resource, estimate ground water loss due to erosion and estimate sediment loading in the rivers in the Iran water Basin. In addition, the project required the development of a watershed management plan and a water usage control plan. The results indicate that planes water decrease was caused by several factors and use of .GIS can show the changes of water recourse in floodplains, aquifers and watersheds

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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