Impact of vegetal cover on local water resources. A case study of Kanshi sub-watershed (Gujar Khan), Punjab, Pakistan

By rafaqat ali

GRIN Verlag Gmbh Aug 2014, 2014. Taschenbuch. Book Condition: Neu. 211x150x4 mm. This item is printed on demand - Print on Demand Neuware - Scientific Essay from the year 2014 in the subject Geography / Earth Science - Miscellaneous, grade: still waiting, , course: M.phill geography, language: English, comment: this paper is M.phill requirement of the university as per university rules , abstract: Abstract This research was conducted focusing the importance of vegetation in Mangla watershed for the assessment of its impacts on water resources. Satellite images of study area were analyzed using Arc GIS 9.2 and Erdas Imagine 9.1 for vegetation change detection and identification of local streams feeding Kanshi River. River discharge data was obtained from Surface Water hydrology department Lahore. Extensive agriculture practices, population growth, settlement patterns and brick industry have significantly affected the vegetation cover. Deforestation occurred in the past for agriculture and timber needs has changed the vegetation condition and hence rainfall patterns. Uncertain or extreme rainfall events and temporary drought condition are common. The discharge of Kanshi River is decreased by 44.15% during last 20 years with a significant decrease in water table of Gujar Khan City. Further development in watershed area, improper agriculture...

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