

Environmental problems in watershed management

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Abstract: A watershed is defined basically the geographic area through which water flows across the land and drains into a common body of water, whether a stream, river, lake, or ocean. Watersheds are important because of main resource of water supply for living. It is essential to consider watershed improving for quality, quantity and sustainability of the water resource. Improving of watershed is one of the main target of watershed management included many biotic and abiotic factors. Landowners, land use agencies, storm water management experts, environmental specialists, water use surveyors and communities all play an integral part in the management. The management mainly focused on specific issues such as air, land, and water. Most of these focusisng have resulted in decreasing pollutant emissions to air and water, improved landfills, remediation of waste sites and contaminated groundwater, protection of rare and endangered species, design of best management practices to control water and contaminant runoff, and much more. However, an integrated watershed management approach needs to be adopted and the soil and water conservation technologies and approaches need to be applied in field situations by the officer-trainees. It could be said that there are many factors effective on watershed problems shifting cultivation, forest destruction, fire, over-grazing, poor road construction and maintenance, uncontrolled mining, soil erosion, landslides, heavy sedimentation, water pollution, floods and droughts, etc. But, the problems and their solutions can change for watersheds and countries. These may include land tenure, poverty, education, low acceptance of innovations, seasonal shortages of labour, socio-economic etc. For instance Turkey has 25 watersheds, and different management strategies are applied for the watersheds because of their local problems and duty. In this study; the environmental problems encountered in the basins is tried to determine to contribute watershed management.

Keywords: Improving, Watershed management, Pollution, Environmental problems