

## Action plan for efficient land and water use in a mini-watershed near Mysore using remote sensing and GIS

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■ **ABSTRACT** : Developmental planning using integrated approach has been accepted world over for optimal management and better utilisation of natural resources towards improving living conditions of the people and to meet the growing demands of increasing population. Timely inflow information (both the spatial and non-spatial) and its reliability is a pre-requisite for integrated developmental planning. Satellite remote sensing is an ideal tool for generating such spatial information base. In the present paper, preparation of thematic maps like land use/land cover, hydrogeomorphology, slope, base map, soil map and stream network map using the Quick Bird satellite imagery and toposheet from the Survey of India for the Ballahalli mini-watershed near Mysore, Karnataka to generate land and water action plan for optimal land and water use by integrating all the thematic maps and collateral data are presented and discussed.

■ **KEY WORDS** : Watershed, Thematic maps, Land and water resource action plan, Remote sensing and GIS

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