

SITE SELECTION FOR WATER HARVESTING STRUCTURES IN ANAIYUR CATCHMENT USING WEIGHTED OVERLAY ANALYSIS

M. Ashique, K. Baladeepa, M. Balapreethi, R. Akila and J. Ramachandran*

*Nammazhvar College of Agriculture and Technology, Peraiyur, Kamuthy,
Ramanathapuram – 623708*

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Abstract: Harvested rainwater is an alternative source of water in arid and semi-arid regions around the world. The present study aims to identify suitable sites for water harvesting structures in Anaiyur catchment, Kamuthy block, Ramanathapuram district by using Geographic Information System (GIS) and weighted overlay analysis. It help the decision makers in determining suitable sites for water harvesting structures based on slope, drainage network and stream order of the study area. Produced suitability site map will help in the site selection of harvesting structures such as percolation tanks, storage tank, and check dams.

Keywords: Rainwater harvesting, Site Selection, Weighted Overlay Analysis

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*Corresponding Author

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