

recreation resort, and add income generating opportunities [7] and [8]. The overflow, if any, may then discharged through a cost effective drain into the drainage network that required to constitute part of an overall drainage network system for the whole area. According to observation and topographical images, the part of the area, lying southerly along Elsamrab Street, may drain through East-West minor drains to discharge into North-South intermediate drains. Which in turn discharge into a major drain at the southernmost periphery of the area, extending East-West through Elhafaia

4- LITERATURE CITED

[1] UN-DESA (Department of Economic and Social Affaires), 2014, World Urbanization Prospects.

[2] The Building Regulation Law for Khartoum State, 2008.

[3] The National Council for Physical Development-Sudan.

[4] The Concluding Report for the Committee of rains and floods Impacts Parrying, 2014.

[3] Gajbhiye S. 2015. Estimates of Surface Runoff Using Remote Sensing and Geographic Information System.

[4] Murmu S and Biswas S. 2012. Application of Remote Sensing and Geographic Information System Technique in Runoff Estimation Using SCS Model.

[5] Jabari S, Sharkh M. A., and Zaid Al-Mimi, 2009. Estimation of Runoff for Agricultural Watershed Using SCS-CN and Geographic Information System.

[6] A. Aldoma and.Y. Mohamed. M, 2014. Simulation of rainfall runoff process for Khartoum State using Remote Sensing and GIS.

[7] Dwyer et al. Urban Forest Benefits and Costs, 2007.

[8] Dwyer, J. F.,Schroeder, H. W. and P. H. Gobster. 1991. The Significance of Urban Trees and Forests: Towards a deeper

pluvial to discharge into Al-Engaz Street storm tunnel to lead to Eldoroshab amid outlet into the River Nile, [9]. The same approach applies to the part of the area lying northerly along Samrab Street that sloping to North and Northwestern through major drains leading to Eldoroshab amid and Khor Eldoroshab outlets into the River Nile, [9]. Above all, bearing in mind that, catchment conditions are far from ideal, restoration of ideality is a crucial prerequisite before thinking of which or which.

understanding of values. J. Arboric, 17:276-284.

[9] The Atlas of Drainage Network and Levees-Ministry of Infrastructure, Khartoum State, 2017.