

Flood hazard parameters

A flood inundation model for Nakuru City was developed using openly accessible global datasets. The Fast Flood model was applied to simulate flood inundation, based on a monthly average maximum rainfall of 140 mm, recorded for Nakuru City (citation). The global datasets used as inputs included a 20 m SRTM DEM (resampled from 30 m), ESA 10 m land cover data, and infiltration rates derived from soil grids