



Spatial Distribution of Rudaceous Deposits (Bush Gravels)

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LAP Lambert Academic Publishing Mai 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x3 mm. This item is printed on demand - Print on Demand Neuware - Literature and research on several aspects of tropical soils especially in Africa have not been updated or documented. Today's technology depends to large extend on availability of baseline data and information, especially in geophysical sciences. In this work, deposits of rudaceous materials (Bush Gravels) in Alfisols of Girei local government areas of Adamawa State were identified and geo-tagged using GPRS. Mining of these materials occur on small and large-scales through manual excavation and sorting by local people for economic reasons. It takes about two weeks for a team of 2-3 individuals to excavate and sort out a 4 cubic meter truck load. Morphological and physical Characterization of the Rudaceous deposits were carried out and their Uniformity coefficient $C_u = D_{60}/D_{10}$ and Coefficient of curvature $C_c = (D_{30})^2/D_{10} \times D_{60}$ were calculated. Geospatial computations of areas of approximate deposits were mapped out by assuming a buffer radius of 500 m from excavation sites using ArcGIS. Site specific data sheets for the study area are presented. The results suggest a diverse mixture of all shapes sizes across...



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