

Determination of characteristic properties of rural residential areas using remote sensing

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Abstract: The shanty, haphazard and unplanned settlements have become one of the most essential issues in the Third-World and developing countries, results from the unfilled provision of a planned development at rural areas. For this reason, in the villages, rural planning should be actualized by determination of the rural areas to provide a healthy social and economic structure and to protect the natural structure by preventing the shanty settlements. In this respect, protecting the structures of the natural and rural areas would be provided by remote sensing technology and geographic information systems, which lead a rapid access to the accurate and up-to-date data.

Karabük city is selected as study area. The city of Karabük is in the western part of Blacksea region which is one of the seven geographic regions of Turkey. It is aimed to determine the characteristic features of the rural settlements in the Karabük city by using remote sensing methodology via satellite images and make an assessment with correlation of these features with the spatial configuration of the rural settlements in the city of Karabük.

Key Words: Rural Planning, Rural Characteristics, Karabük City