

Silhouette Analysis by Landscape Character Types in Riparian Zones: A Case of Duzce Asar Stream

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With rapid urbanization, cities, citizens and natural areas within the city began to be under pressure. One of these areas is water corridors which are important parts of the landscape. One of the most important effects of these areas on society is visual value. In the studies of landscape architecture, to the identification, analysis and evaluation of an area, it is necessary to evaluate the visual data of the landscape differently from botanical and ecological sciences.

This study aims to reveal the visual landscape value of landscaping parts which vary along the urban water corridor. In this context, 28 different panoramic photographs were taken along the Düzce Asar Stream. The photographs were subjectively subjected to silhouette analysis according to visual (linear integrity, emphasis, balance, continuity, harmony, coloration potential, silhouette form (landscape), silhouette form (land), perceptibility, diversity) and perceptual (security, impulse, comfort, satisfaction) parameters which have an important role in determining the visual integrity of the landscape. Correlation analysis was applied for evaluation of visual quality parameters. In addition, one way ANOVA was used to reveal the relationship between perceptual parameters and visual parameters. In the next step, scoring is given over the visual parameters of each landscape character field and the last evaluations were made and the identity cards of the visual landscape character of the fields were created.

As a result, the visual landscape value has been revealed along the urban water corridor and it has been determined how the visual effect changes at the perceptual level depending on the visual parameters. In addition, landscape character types were found to be important in determining the visual impact.

Keywords: Düzce Asar stream, perceptual parameter, silhouette, visual parameter

Note: This study is supported by TUBITAK, Project No. 116O596 (Determining of Landscape Character Of Urban Water Corridors as Visual and Ecological; A Case Study of Asar Stream in Duzce)