

A Study of the Methodology for Watershed Planning on Master Plans for Parks and Open Spaces

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Abstract

The purpose of this study is to clarify the introduction situation, background, methodology of the introduction of watershed planning on master plans for parks and open spaces into Top 40 Plans chosen for evaluation committee of master plans for parks and open spaces in MLIT. First, in urbanized city, there is a tendency toward including policy of healthy water cycle. Especially, there have watershed planning has been introduced actively in Yokohama, Kamakura and Kakamigahara city. And there is viewpoint of dealing with the policy challenges and the characteristics of cities. Second, introduced methodology consists of some technologies such as database construction, extraction of watershed, setting of evaluation index in Yokohama, Kamakura and Kakamigahara city. Based on these conclusions, the methodology of watershed planning is effective in evaluating the value of the whole environment including forested area, farmland, water system, wetland and also urban area.

Keywords: Master Plan of Parks and Open spaces, Watershed Planning, Methodology