



Mapping of the Permanent Preservation Areas of the Paraíba do Sul River upstream of the headquarters district of the municipality of Campos dos Goytacazes - RJ

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The work carried out had as its main scope the study of areas of native riparian forest on the banks of the Paraíba do Sul River in its upstream region to the urban center of the municipality of Campos dos Goytacazes. Basing its elaboration following the guidelines of the New Forest Code (Law nº 12.651 / 2012) for the survey and demarcation of the margins of the body of water and its respective areas that still remain covered with vegetation, agreed as Permanent Preservation Areas (PPAs). The project aimed to quantify these forested areas along the river banks onwards the entire route from the municipal boundary between São Fidélis and Campos dos Goytacazes, outlining the current situation of the PPAs. The methodology applied in the execution of this work was: bibliographic studies with reading articles, laws, theses, dissertations, maps, booklets of environmental agencies, satellite images; elaboration of maps, graphs and tables. The development of this work aims to bring to the population and managing agencies subsidies for decision making regarding water resources and their preservation conditions. Thus, contributing to the planning of actions that can guarantee the quality of the water that reaches the residents of Campos. During the execution of the research, it was possible to observe that the minimum PPA parameters stipulated by law, were rarely found in the studied course, with a great gap in the ideal values to consider the margins properly protected. The results found upstream can be considered alarming, with 92.25% of the area without native vegetation coverage. Actions by public authorities must be studied, looking for ways to adapt these areas without vegetation cover to activities that use the river banks for economic purposes, preserving the mutual interest in the sustainable exploration of the Paraíba do Sul river banks and the values stipulated by law.

Keywords: Water resources. Riparian forest. Forest Code. PPA.

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