

## **PARAMETERS ADOPTED IN THE EXTRACTION OF SAND IN RIO GUANDU, RJ, BRAZIL**

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The increase of the demand of used minerals in the civil construction, the sand, it caused an increment of the pollution sources, when accomplished in the river beds, generating the release of great loads polluted in the drainage, for now represented by the deposition of solids in suspension, for now due to the removing of the bed of the rivers and of neighboring areas in function of the use of dredges, whose operation increases to the turbidity of the waters. The extraction of sand in Rio Guandu represented by the fluvial sediments that form the deposits of sands and clay of flood plains it is reason for problems and environmental impacts. Such subject deserved attention for DRM-RJ, motivating the evaluation of the environmental impacts, elaborating, like this one series of parameters that should be obeyed in an extraction in river bed. The mining to take place in the bed of the river, as well as most of the time in the margins of the river and to reach dozens of meters of the flood plain, it makes necessary that it has taken care, so much on the part of the mining, trying to attenuate the environmental impacts, as well as engagement of the governments authorities forcing the mines applying rational mining techniques without increasing the environmental pollution.