

PROPOSITION ON CONSONANCE OF THE MINING WITH THE ENVIRONMENT FOR THE EXTRACTION OF SAND IN DIGS, IN THE MUNICIPAL DISTRICT OF ITAGUAI AND-SEROPÉDICA, RJ, BRAZIL.

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The sand extraction in civil construction exploited by dig method, in Itaguaí-Serópedica cities-RJ is accomplished in an aleatory way, dissociated of the concern with the environment, causing inevitable impacts. These sand dunes, disposed in contiguous 140 lots, each one with 100.000m², occupying a strip with width of 3,5 km and length of 7 km. The geology is characterised by a relief of alluvial plains, with sandy, sand-clay and silt, constitution and levels of rock fragments presenting plan-parallel bedding, heavy minerals are presents. Peat material is observed in some sand dunes. The medium thickness of these sediments is of 35 meters. The relative data to the potential of the area reveal a mineral reservation, around 1.406.250 m³ per lot, and these dig they occupy the half of the lot. It is had as reservation of the area about 196.875.000 m³ and if we consider that were already exploited half of the areas you plotted we will have as available reservation about 98.437.500 m³. Accomplished technical studies proposed measures returned to the rationality among the activity mineral x environment. The proposal is to establish a Zone of Mineral Production - ZPM, avoiding, the expansion of the mining for another virgin areas, where reservations of sand that should be preserved.