

APPROACHES TO INTRODUCE SAND EXTRACTION BY DIGS METHOD, IN RIO DE JANEIRO STATE, BRAZIL.

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The disordered sand exploitation to civil construction by digs method in the Rio de Janeiro State, it comes being dissociated of the concern with the preservation of the environment, causing lakes, with diameter, hundreds of meters. The works in dig method, they allowed that was elaborated techniques of having lied seeking the extraction, causing a minimum of impacts to the environment. The great totality of the sand miners they used extraction methods without any technical approach of engineering of mines, being considered only their experience of many years. The process of a sand dig introduction it consists following description: to scrape the superficial bed; opening of the it digs; suction dredge; piping; installation of silos and zones introduction and storage. They are also presented the main measures to avoid environmental impacts. It must be based on a mine plan adapted to lied demanded by the government. Thus, they stand out: to deforest, to scrape, mine works areas introduction, suction dredge and decantation basin / liquid rejects (pulp) - storage