

Construction aggregates for urban development: Consumption, sterilisation and the environment

J.J. PEREIRA¹ & T.F. NG²

¹Institute for Environment and Development (LESTARI)
Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor Darul Ehsan

²Geomapping Technology Sdn. Bhd., 7A Jalan Sejat 8/10,
40000 Shah Alam, Selangor Darul Ehsan

The relationship between economic growth, urban expansion, aggregate consumption and its resultant implications with respect to the environment is depicted well in the Langat Basin, which is situated south of the Klang Valley, in the states of Selangor and Negeri Sembilan. Extensive development within the Basin has created demand for construction aggregates and brought to fore environmental problems associated with quarrying. Uncoordinated planning of land development has contributed to aggregate resource sterilization, and if left unchecked may threaten future environmental well-being of the Basin. Policy instruments using mineral landbanks for construction aggregates and buffer zones for quarry operations is an option that can be considered to address these problems.