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## **MINERALS SECURITY THROUGH LANDUSE PLANNING – CASE STUDY OF ROCK AGGREGATES IN EASTERN SELANGOR**

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### **ABSTRACT**

There is a need to ensure long-term security of supply for rock aggregates in Selangor, in view of the impending implementation of the Selangor Policy on Environmentally Sensitive Areas (ESAs). Preliminary findings from a case study of rock aggregates in Eastern Selangor reveal that six quarries and 66% of new aggregate resources in the state are located in highly sensitive ESAs, which are categorised as “no go areas” for quarrying. At least ten quarries and another 26% of new resources are located in ESAs of medium and low sensitivity, which are areas of “controlled development” requiring special circumstances and very strict conditions for quarrying. Only 8% of the new resources identified are actually available for exploitation in the future. Aggregate landbanks and buffer zones should be delineated and gazetted in local development plans and efforts should be made to thoroughly investigate potential resources outside of the ESAs. This effort should be augmented by the promotion of recycled concrete aggregates to maintain aggregates security and ensure sustainable development.