

Terrain and geohazard maps of Negeri Pulau Pinang and Seberang Perai

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Essential for EIAs is the recognition of terrain or geomorphological units and potential geological hazards. For the State of Pulau Pinang and Seberang Perai, analysis of geological information produced by the Geological Survey of Malaysia supplemented by photo-interpretation and field studies resulted in a terrain-unit map that show slopes, pedislopes, cliffs, lowland and upland flats, valley shapes, beachridges and their map patterns. The interpreted terrain units were combined with rock types and rock structures in the construction of a geohazard map. On this map are delineated areas of potential rock falls or other types of mass movements/landslides, of flooding and intensely fractured rock. Long-term coastal stability is also suggested by certain types of terrain units. The final maps are at scale of 1:75,000, but the work sheets are at larger scale of 1:25,000 and these may be used as base maps for detailed planning purposes.
