

Coastal Hazard Assessments, South East Asia

Client

Private equity company.

Project

Preliminary review of coastal processes and hazards for multiple sites along various shorelines of South East Asia countries.

A classification system was developed that identified possible current and future hazards that had the potential to limit use or development of the sites. A screening level hazard assessment identified that while the sites are reasonably secure from direct effects of coastal erosion, there are some potential hazards associated with the sites that could limit development.

These include:

- Coastal erosion (long and short term)
- Flooding of the low lying areas due to catchment flooding and/or storm surge
- River bank erosion
- Tsunami
- Potential climate change effects (increase in sea level and or storm frequency).

Services provided

- Shoreline change analysis
- Climate analysis
- Climate change assessment
- Tsunami hazard assessment
- Hazard classification scheme
- Site assessment framework.



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