

MANAGEMENT UNIT (MU) (LOCATION)	MANAGEMENT OBJECTIVES	MANAGEMENT STRATEGIES	ISSUE/IMPORTANCE/REASON	RESPECTIVE RESPONSIBLE AGENCIES
MU13	Setback <ul style="list-style-type: none"> Necessary deviations to allow for existing infrastructures and predicted movement of shorelines. 	<ul style="list-style-type: none"> Setback have been determined based on the coastal features and important infrastructure. Generally, the DID guidance of landward of the tree line 400m for mangroves and 60m landward of the Highest Astronomical Tide contour for sandy beaches is followed. However, deviations were necessary to allow for existing infrastructures such as roads and bunds where the authorities will be required to maintain the line. In such cases, the setback is placed landward of the infrastructure (see Appendix Bund Mangrove Cover and Setback). The DSS should be used to determine the setback required for future developments. 	<ul style="list-style-type: none"> Allow for movement of the shoreline. 	<ul style="list-style-type: none"> JPS
	Sea Level Rise <ul style="list-style-type: none"> Developments along the shoreline must take into account Sea Level Rise. 	<ul style="list-style-type: none"> Determine practical setbacks along the coastal area. To include the sea level rise value (aside from wind setup, storm surge and wave runup) in the calculation of the platform/finish level of a design. 	<ul style="list-style-type: none"> Coastal development 	

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MU13	<ul style="list-style-type: none"> Control of industrial effluent discharge, sewage discharge and solid waste management 	<ul style="list-style-type: none"> Toilet facilities and septic tanks must be well maintained to avoid untreated discharge of sewage. Frequent septic tanks desludging is important to avoid overflow. Restaurants along the shoreline must be provided with oil and grease traps and proper solid waste collection. Industrial activities with EIAs must comply with the EIA Approval Conditions, submit the Environmental Monitoring Report on a quarterly basis and carry out Third Party Environmental Audit. 	<ul style="list-style-type: none"> Teluk Batik is a popular tourism destination and is very crowded during public holidays and weekends. The coastal resorts must have of the tank especially during public holidays and festive seasons when the number of tourists increases. When the beach is crowded, there will also be issues of rubbish and other solid waste. Insufficient rubbish bins will cause the rubbish to overflow and scattered which attracts monkeys and other scavengers. There are also industrial activities that may pollute the marine water from untreated industrial effluent, oil spillage and raw material spillage from the operation activities. 	<ul style="list-style-type: none"> Department of Environment Local Council Indah Water Konsortium

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MU13	<ul style="list-style-type: none"> Accelerate the growth of industry, tourism, agriculture and commercial 	<ul style="list-style-type: none"> Promote high-value industrial activities 	<ul style="list-style-type: none"> In line with the strategy in PIDAP which proposes 12 categories of high value industries that are viable to be developed in the State of Perak. To support the development of downstream industry activities that will complement the development of high-impact industries that are now operating in Manjung district. Able to increase the income of employees involved in the industry sector. 	<ul style="list-style-type: none"> Manjung Municipal Council
		<ul style="list-style-type: none"> Creating a tourism zone 	<ul style="list-style-type: none"> Zon Lumut dan Teluk Batik <ul style="list-style-type: none"> Urban Tourism Heritage and History Cruise Sports and Recreation Park Ecotourism Beaches and Islands 	<ul style="list-style-type: none"> Manjung Municipal Council Tourism Perak Tourism Malaysia JWN
	<ul style="list-style-type: none"> Convince infrastructure reliability 	<ul style="list-style-type: none"> Improving public transport services (water public transport system) 	<ul style="list-style-type: none"> Able to increase the number of tourists to Pangkor Island or other tourist areas di Daerah Manjung. 	<ul style="list-style-type: none"> Manjung Municipal Council JLM

			<ul style="list-style-type: none"> • Improving the economic resources of Manjung Region. • To provide individuals in the Manjung District with more employment and economic prospects. • Improving the image quality of the maritime city to the international stage. • Catalyze the growth of development in a more advanced direction. • Able to make water public services as the main public transport system as well as land public services 	
		<ul style="list-style-type: none"> • Improving the capacity of utility offerings involving broadband (High Speed Broadband HSBB) 	<ul style="list-style-type: none"> • Increase internet penetration rates by implementing High Speed Broadband (HSBB) programs and plans for major urban areas and settlements. 	<ul style="list-style-type: none"> • MCMC
	<ul style="list-style-type: none"> • Improving the quality of liveability 	<ul style="list-style-type: none"> • To enhance the provision of adequate and functional open space (Bandar Pantai Teluk Batik Forest Development) 	<ul style="list-style-type: none"> • To make Teluk Batik an international tourist area with a variety of activities that are beneficial to visitors and the surrounding residents. • Able to improve the economic level of the local community. 	<ul style="list-style-type: none"> • Manjung Municipal Council

*Similar to MU01

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MU13	Marine Mammals <ul style="list-style-type: none"> To conserve and protect marine mammals. 	<ul style="list-style-type: none"> Minimize large-scale coastal developments and modifications near identified core habitats of cetaceans. Minimize coastal modifications i.e., coastal shrimp farming, coastal reclamation and clearing of fringing mangrove forests in Matang. 	<ul style="list-style-type: none"> Potential marine mammals' disturbance due to coastal developments and modifications. 	<ul style="list-style-type: none"> PlaNMalaysia Perak Department of Fisheries Department of Forestry Land Office
		<ul style="list-style-type: none"> Implement and enforce fisheries regulation to restrict the use of high-risk bycatch gears especially within marine mammals' hotspot areas Promote utilization of sustainable fishing gears within Important Marine Mammal Area (IMMA). 	<ul style="list-style-type: none"> Utilization of unsustainable fishing gear could impose significant threat towards marine mammals within Perak coastline. 	<ul style="list-style-type: none"> Department of Fisheries
		<ul style="list-style-type: none"> Collect and analyse data to help inform effective mitigation to reduce vessel collisions with marine mammals within MMFR. 	<ul style="list-style-type: none"> Marine mammals are susceptible to injury and mortality from vessel collisions. 	<ul style="list-style-type: none"> Department of Fisheries Marine Department