



Note 1: Landward movement of the shoreline could be limited by the presence of bedrock.

Note 2: Areas landward of the bedrock (non-erodible) line could be subject to coastal cliff or slope instability hazards which are beyond the scope of this study.

Sunshine Bay

Deterministic erosion/recession hazard lines



Figure I.12



Note 1: Landward movement of the shoreline could be limited by the presence of bedrock.

Note 2: The shoreline could potentially move landward of the hazard lines in the watercourse entrance instability region due to lowering of the beach profile from entrance scouring.

Note 3: The shape of hazard lines not located at the seawall is hypothetical only and requires further detailed assessment beyond the scope of this study.

Malua Bay existing seawall

5% encounter probability

Probabilistic erosion/recession hazard lines

2017

2050

2065

2100

Watercourse instability region

Seawall

Figure I.13



Note 1: Landward movement of the shoreline could be limited by the presence of bedrock.

Note 2: The shoreline could potentially move landward of the hazard lines in the watercourse entrance instability region due to lowering of the beach profile from entrance scouring.

Note 3: The shape of hazard lines not located at the seawall is hypothetical only and requires further detailed assessment beyond the scope of this study.

Malua Bay existing seawall

1% encounter probability

Probabilistic erosion/recession hazard lines

2017

2050

2065

2100

Watercourse instability region

Seawall

Figure I.14



Note 1: Landward movement of the shoreline could be limited by the presence of bedrock.

Note 2: The shoreline could potentially move landward of the hazard lines in the watercourse entrance instability region due to lowering of the beach profile from entrance scouring.

Malua Bay no seawall
 1% encounter probability
 Probabilistic erosion/recession hazard lines

- 2017
- 2050
- 2065
- 2100

Watercourse instability region

Figure I.16



Note 1: Landward movement of the shoreline could be limited by the presence of bedrock.

Note 2: The shoreline could potentially move landward of the hazard lines in the watercourse entrance instability region due to lowering of the beach profile from entrance scouring.

Malua Bay no seawall
 5% encounter probability
 Probabilistic erosion/recession hazard lines

— 2017
 — 2050
 — 2065
 — 2100


 Watercourse instability region

Figure I.15