

# Protection Options - Groynes

Protection is not a permanent choice. Protection can be adopted for a defined period of time and then a different approach (such as retreat) can be adopted at a later date

Groynes are protection structures built perpendicular to the coast to help stabilise the shoreline against erosion. They interrupt longshore sand transport and trap sand on the updrift side of the groyne

Groynes can be built as single structures or in a groyne field consisting of multiple structures



Image: Botany Bay (photo from Nearmap.com)

Groynes cause sand accretion on their updrift side and erosion on their downdrift side. This naturally reverses over summer and winter each year

Groynes provide protection while still allowing a usable beach and provide some recreational benefits such as fishing and surfing



1 Mar 2017



27 Aug 2017

Image: Quinns Beach (photo from Nearmap.com)