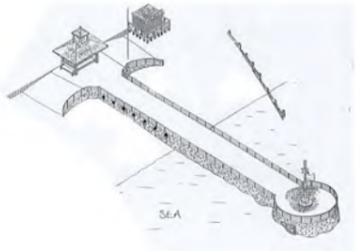


***How should the coastline in Swanage be managed in the future?***

Option		Advantages	Score	Disadvantages	Score	Total
<p><b><i>Remove the Pier Completely</i></b></p> <p>Take the banjo pier down on the seafront at Swanage so that the sediment flow can be opened up again allowing more deposition at the bottom of the cliffs that are eroding.</p>						
<p><b><i>Install 'Rip Rap' Protection</i></b></p> <p>Place a protective barrier of large rocks at the base of the cliff where it is being eroded. Some of these could be built out into the sea to form rock groynes.</p>						
<p><b><i>Deposit more sand and pebbles on the beach</i></b></p> <p>Taking stones and sand from places where there are plenty, the beach in Swanage could be built up again so that it provides more protection for the cliffs that are being eroded. This would involve dumping sand and pebbles on the beach.</p>						
<p><b><i>Plant trees and vegetation on the slopes and cliffs.</i></b></p> <p>Plant trees and other plants on the slopes above the cliff and on the slopes down to the beach. This would reduce the risk of the cliffs from being eroded.</p>						
<p><b><i>Install more groynes on the beach at Swanage.</i></b></p> <p>This would make people feel that more was being done to trap sediment on the beach at Swanage and so reduce the risk of erosion. The groynes catch sediment that is being carried by longshore drift.</p>						

I run a café and restaurant on the sea front at Swanage. We rely on people coming to the beach in the town during the Summer months to generate enough customers. We want to see things that improve the beach in the town, that don't spoil it in any way but which also protect the town from flooding and landslips. The best solution for us would be one that improves the beach, makes the town safer and so encourages more people to come to the town.

We are residents in the town who live next to the river that floods when there is a heavy downpour of rainfall. We believe the Banjo pier makes the town safer, reduces the risk of flooding and provides an interesting feature on the beach front that attracts people. We don't want to see anything that increases the risk of flooding in the town.

I am the local area representative for Greenpeace in Swanage. I am most concerned about the fact that the beach at Swanage will be subject to global climate change. The number of intense and high powered storms is increasing and with projected sea level rise the beach and cliffs will be at risk of greater levels of erosion. We cannot tackle the local problems without paying attention to the global process of climate change.

We live at the northern end of the beach near the cliff zone. Since the building of the Banjo Pier the erosion of the cliffs has increased. This has meant that the beach is no longer safe at the northern end, and due to the risk to the houses in the area we are now paying much more for house insurance than we were – our premiums have gone up massively. The best solution for us is one that means the cliff is secured and the level of erosion is reduced. There's no going back but we want the future to be safer.

I am Professor of Geography at the University of Bournemouth, and I have advised Purbeck District Council about the best way to manage the beach in Swanage. Beaches are part of a natural system. Changing one part of that system has knock on effects in other places. Removing sediment to dump and 'feed the beach' at Swanage has knock on effects. Trapping sediment with groynes, reduces the sediment that other places further down the coast receive. The best way to manage the coast is to work with natural processes and the fine balance between erosion and deposition.