



# Coastal management strategies

Coastal Management And description/Labelled sketch	Benefits of the defence	Costs and disadvantages	Bi-polar evaluation Score							
			Neg. evaluation factor	-3	-2	-1	1	2	3	Positive evaluation factor
<p><b>1975 Large Concrete seawall</b></p>	<ul style="list-style-type: none"> <li>• People feel safe and secure behind this traditional type of hard engineering.</li> <li>• Seawalls stop erosion and send the wave energy back to sea.</li> <li>• The life expectancy of sea walls is usually significant (50-150 years).</li> <li>• The construction of the seawall has created a promenade for tourists.</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion is often deflected along the defence, leading to higher rates of erosion at either end of the defence and erodes the beach in front of the defence.</li> <li>• Very expensive – would cost approx. £15,000 per m if built today).</li> </ul>	Easily Eroded							Stops all erosion
			Easy for water to flood over the top							Stops all flooding
			Ugly							Pretty
			Poor Beach access							Easy to get to beach
			High safety risk to general public							No obvious safety risk to general public
			Short lifespan &/or high maintenance costs							Good life expectancy &/or low maintenance costs
			High levels of disturbance for people during construction							Low levels of disturbance for people during construction
<p><b>Pre 1890's old stone seawall</b></p>	<ul style="list-style-type: none"> <li>• These old walls blend in with the rest of the village, and their 'in keeping' look is important in this tourist honeypot where the local economy relies on visitor spend.</li> <li>• The defence has prevented any further houses falling into the sea at the slip.</li> </ul>	<ul style="list-style-type: none"> <li>• The stone work is susceptible to erosion, and over time the cement fails, meaning regular maintenance is needed.</li> <li>• Erosion at the toe of the defence is significant leading to regular repairs.</li> </ul>	Easily Eroded							Stops all erosion
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<p><b>1950's Concrete seawall and 2001 rip-rap south of village</b></p>	<ul style="list-style-type: none"> <li>• This defence has created a large seating area and promenade which can be used by tourists when the tide is in and the beach is inaccessible.</li> <li>• The large seawall has prevented any further loss of land at this point.</li> </ul>	<ul style="list-style-type: none"> <li>• The vertical walls send water up, meaning a very high wall is needed.</li> <li>• Erosion at the toe of the defence is significant, so needs rock armour/rip-rap to protect it.</li> <li>• Significant cost, over £12,000 per m if built today.</li> </ul>	Easily Eroded							Stops all erosion
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