## **Work Sample**

#### Coastal Management

Natural impacts at XXX Beach are evident from the XXX National Park Lookout. Erosion, beach, tombolo, rock platform, Rock island, headland and bay; significant sand loss at XXX Beach has been due to erosion, and human recreational purposes. Another example of erosion is the strip of water coming down the slope due to severe rain from the past 24hrs. XXX

beach experiences three main types of waves; spilling, plunging and surging waves which are apparent through the rock platform southern end of the beach. Deposition is clear due to the fore dunes, tombolo bay and sand spit located from the



thorough understanding of coastal

management

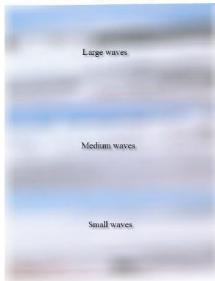
High level use of terminology,

demonstrating a

lookout; by this vegetation has grown on the fore dunes and protected by

Plunging, Surging and Spilling

fencing.



Human impacts are influenced and benefited by many surfers, locals, tourists, residents in both positive and negative ways for example urban encroachment, car parks, picnic areas, non native plants, pathways, roads, electricity, signs, fencing, bins, drainage and concrete slabs; urban encroachment has definitely been a human impact as developments and businesses have slowly made its way closer to the coast. The use of the back dune on XXX Beach has recently attracted community locals every weekend with the

Use of relevant current example

newly built Kiosk, centre front behind the beach. After two years of construction, the new building has renewed two surf clubs- Surf Life Saving XXX, the Soldiers and XXX Beach Club with the estimate cost of \$5 million from the support of then XXX

Shire Council. With both services alongside each other, the public are able to benefit from the new facilities provided- toilets, family rooms, showers and facilities catering for the disabled. By demolishing and rebuilding the clubs, MayorXXXX had hoped that the services would "improve their income through hall hire, hosting conferences and functions and by having better kiosk facilities to serve the public."



Strip of erosion.

Thorough discussion of development and users based on extensive research

# **Work Sample**

The affects of the new kiosk has increased the popularity of the beach and XXX it has also introduced new plants such as palm trees around the kiosk, though it's interrupted the natural cycle for sand to be stored in the back dunes as well as the physical look of XXX Beach. Another urban development on the back dunes is



Beach's new Le Kiosk.

the XXX Beach Golf Club, the local accommodations e.g. Caravan parks and resorts that are in walking distance of the beach.

On the fore dune of XXX beach, human interaction can be seen through XXX Car

Grassed picnic area.



Park, the grassed picnic area and bins. As the parking is for free, cars are in the designated area and away from the dunes, avoiding its natural state and residential property; the grassed picnic area is close by the beach and is a convenient place to eat rather than eating on the beach and the access to rubbish bins limits the risk of pollution problems. Introduction of

High level use of geographical skills and tools from fieldwork

non native plants- buffalo grass, weeds, Lantana and the Bitou Bush on the dunes are mixed in with the already existing vegetation-Grevillia, which brings Weeds. danger and competition as it may cease to thrive and will not adapt to the

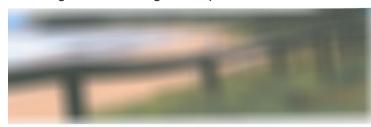
salty environment or takeover the plants. a removal of native plants like the Grevillia will change the

natural cycle since the plant is tall and stops the wind coming to the beach.

Designated pathways, roads, drainage and concrete slabs have allowed for people to walk through back dune without damaging the vegetation and can drive

Thorough knowledge of the introduced species affecting the dune system

through the central coast from one beach to another and decrease of flooding in the residential area. Electricity has allowed for lifeguards to communicate to the surf club, signs and fencing has improved the maintenance of the beach by protecting the



fore dunes and kept the beach unthreatened. XXX Shire Council have implanted many coastal

Fencing of fore dunes.

# **Work Sample**

## Chris

management strategies to keep XXX Beach looking its best all year round to attract tourists and locals by keeping it as ecological sustainable it can be. Fencing has been used on the beach in front of the fore dune and around the back dune outlining the designated pathways to minimize destruction of the sand and vegetation. This strategy is effective and maintains the beach well though as the fence is made out of wood and wire, it may be best to replace it after a couple of years to stop it from deteriorating.

Designated pathways have been created to allow people accesses to the beach, some entries are made up of sand while other walkways are concrete of gravel that all slope down. However after severe wet weather, gravel forming the entry of the

beach had eroded into the sand which combined mixture sediments from broken shells, rock, sand and the gravelmaking it look coarse and grainy. As a result, the impact of erosion can be seen especially from the fore dunes where parts may erode leading out to the sea and so the council should restore the designated



Designated pathways.

pathway with sand removing the gravel implanted there.

There are many bins around the grassed picnic area at XXX Beach proving to be a successful strategy. This encourages the public to put their rubbish in the bin

Litter, bins too far away.

keeping the beach clean, reducing the pollution although cigarette buds litter the picnic area which isn't appealing to visitors. But with the bins located far away the chairs and

tables, individuals can be lazy
thinking others will pick up after them.
Therefore bins should be placed
closer to the area making it efficient
and reason for people to dispose their
rubbish; recycle bins could also
introduced, Promoting XXX Beach
free of rubbish. Cigarette bins should
be provided around the beach as
many buds were seen lying around; this
could be hazardous as birds may think

the used buds are food. Even though cigarette buds are seen littered on streets, XXX Shire Council should patrol the beach more to control the disarray of cigarette buds. Signs at XXX Beach aren't effective, small and placed only once or twice on





attention to.

geographical terminology

High level use of

Comparison of management strategies demonstrates a thorough understanding of the issues

Very effective use of photographs and captions

Thorough discussion of possible improvements to the existing management strategies other sides of the beach. Nevertheless it does help lifeguards manage the beach better with the signs up to indicate beach rules and regulations but local residents do

tend to ignore the signs e.g. No
Dogs on beach, this could present
arguments for other beach goers
who cannot bring their dog to the
beach. Consequently, the council
and lifeguards can be blamed for
not patrolling the beach
accordingly; for that reason, signs



Evidence of thorough observations in the field

should be bigger, bolder and brighter to ensure residents get the message.

New coastal management strategies could be introduced to XXX Beach, firstly, exterminating the non native plants and vegetation that are taking over the fore and



back dunes. Yet little has been done to the weeds that have taken over as there isn't a council member here to clean it up. Leaving the plants to grow and develop will allow Snake Vine and Spinifex to hold the sand on the dunes together and protect it from blowing away. A coastal management strategy could be placing signs at the entrance of the car park or a couple of metres

ahead on the road; this will allow beach goers to recognise the rules and regulations beforehand. This could be an improvement for the council and lifeguards making their lives easier especially during holiday season. Better patrolling of the beach can also be effective through signs as well- the council can invest in volunteer work to patrol the beach.

As XXX Beach is a hazardous beach known for rips, signs should be implemented to warn swimmers of the dangers before entering the beach and on the grassed picnic area. A shade cloth over the picnic area can be an improvement to the area to cater for the hot summer's day. Groyne construction can also be another coastal management strategy as XXX Beach has experienced significant sand loss, using this strategy can prevent further beach loss and large swash zones. Groyne

construction is a little costly than fencing but is made of large rocks or boulders which are placed parallel to the beach it has been successful in a number of places along the coast such as Botany Bay- NSW and



Demonstrates a thorough understanding and knowledge of possible management strategies achievement in both areas, XXX Beach could undergo a trial by in storing a Groyne northern end of the beach avoiding the usual swim zone; this might have a negative effect to surfers and local stakeholders as they can disapprove of this plan arguing to keep XXX Beach as natural as possible. But if placed on the southern end it could help prevent much erosion from the rock platform.

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### **Grade Commentary**

Chris has demonstrated thorough knowledge and understanding of coastal processes and management issues. A well-written response which could have been improved by inclusion of more sophisticated language, analysis and geographical terminology. Chris has described and explained a range of management strategies and given some clear recommendations for council. This work sample demonstrates characteristics of work typically produced by a student performing at B grade standard.