

Report
On
XXX
Beach

Dear XXX Shire Council,

I am an environmental consultant sent from XXX to investigate the effectiveness of the current coastal management strategies at XXX Beach. In my report I will be talking about the natural and human impacts on the beach, the coastal management strategies already in place, analyse the effectiveness of these strategies and I will recommend new strategies and improvements to the current strategies that could be implemented by individuals and groups to help manage the coastal environment of XXX Beach.

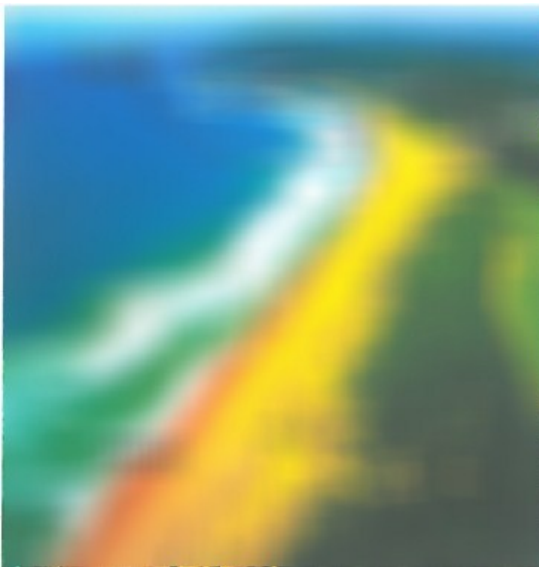
Clear, precise introduction

Natural Impacts

The beach is majorly affected by natural impacts. The impacts affecting the beach include erosion, deposition and transportation. XXX beach is affected by erosion which creates the landforms surrounding and including the beach (eg. Bay, headland). Deposition affects the beach by creating other landforms (eg. Beach, sand dunes).

Identifies key physical processes

The beach is affected by transportation which is shown through longshore drift. *(figure 0.1)* The natural vegetation keeps the sand on the beach and helps prevent the need for beach nourishment.



(figure 0.1)

The longshore drift of sand from the south of XXX beach to the north.

Human Impacts

XXX Beach is very much affected by human impacts. The impacts of humans are everywhere you look. These impacts include fences, the car park near the beach, the road, power lines, signs, footpaths, bins, tables, toilets, the surf club, the golf course and the board & chain walk. These impacts have affected the beach both good and bad ways. The fencing protects the vegetation *(figure 0.2)* while the board & chain walk keeps the sand on the beach. But on the other end of the scale the roads, power lines, car park and surf club are affecting the natural properties of the coastal area.

A range of impacts and activities are identified



(figure 0.2)

The fencing protects the natural vegetation of the beach.

The coastal management strategies currently in place

The coastal management strategies currently in place are becoming an issue in concerns with the beach because some of the strategies are living up to their potential while the others really need work. These strategies include:

- Dune fencing
- Board & chain walk
- Signs
- Vegetation
- Bins

How effective these strategies have been

Most of these strategies have been very effective while others need to be fixed or changed for the better.

Effective

Dune Fencing

- Keeps people out of the vegetation
- Protects the beach from erosion

Board & chain walk

- Makes it easier and safer for people to access the beach
- Protects the beach from erosion
- Keeps the sand on the beach

Vegetation

- Keeps the sand on the beach
- Protects the beach from erosion
- Keeps the beach natural and healthy as possible (*figure 0.5*)

Non Effective

Signs

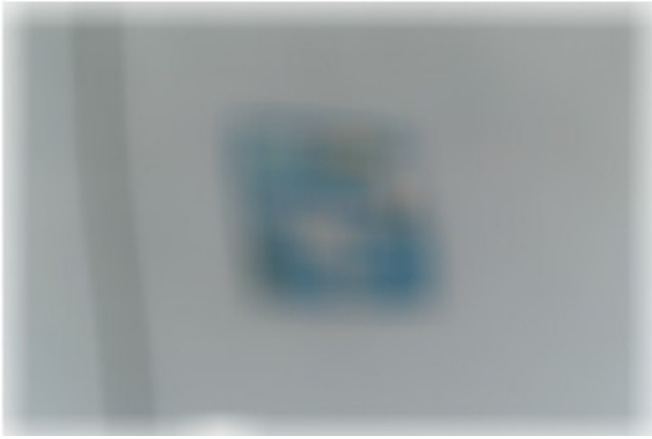
- The writing is too small (*figure 0.4*)
- Graphitised (*figure 0.3*)

Bins

- Not enough (*figure 0.6*)
- Too far away from the picnic tables
- The lids are always shut

Brief, clear and logical list of strategies and their effectiveness

Clearly identifies those strategies that are less effective



(figure 0.3)
Graphitised signs.



(figure 0.4)
Writing on sign is too small



(figure 0.5)
Vegetation keeping the beach natural and healthy.

Appropriate
captions on
photos



(figure 0.6)

Rubbish littering the floor because of the inadequate amount of bins.

Other strategies I suggest for the management XXX Beach

There are a few small strategies that I suggest for XXX Beach and two major strategies.

I suggest that the beach provides shade and more bins in the picnic area. This is so that more people will visit the beach and also they will take care of the beach by putting their rubbish in the many bins. Another idea is creating better restrooms and managing them more often so people do not have to leave the beach in order to use a restroom. In order to make sure people follow the rules and regulations of the beach I suggest that the signage on the beach is made to be in bigger writing and to also be higher up so people cannot graffiti on them. Another problem on the dunes of the beach is the illegal soil and bark dumping (figure 0.7). To help make sure this stops I suggest that the council create harsher rules about illegal dumping and also have large fines for individuals and/or companies that dump at or near the beach.

Some sound strategies



(figure 0.7)

An example of illegal dumping

The two major strategies I suggest for XXX Beach are beach nourishment and putting up a groyne.

The beach nourishment will be used to restore the beach to its former glory and to keep the sand on both end of the beach instead of just the Northern end being full of sand. This strategy has worked at XXX Beach Sydney, NSW (figure 0.8)(figure 0.9) and is still working today. The beach nourishment will keep the beach from eroding

Evidence of wider research

for a small amount of time but it is a repetitive and expensive strategy.



(figure 0.8)

XXX Beach



(figure 0.9)

Map displaying XXX Beach

Putting up a groyne will keep the sand from travelling from the southern end of the beach to the north and will also keep the sand spread equally up and down the beach. This strategy has been effectively used at XXX NSW (near XXX) (figure 1.0) (figure 1.1). The groyne will definitely keep the sand from travelling down the beach but it is costly to create and is an eyesore.

Determines the effectiveness of possible future strategies



(figure 1.0)

XXX Groyne.



(figure 1.1)

Map of XXX

Conclusion

In conclusion I suggest that the best thing for XXX Beach is to make sure that the beach no longer loses sand. This can be done by using either of the two major strategies I have mentioned.

End

Bibliography

XXX Australia Shire Directory. Web. 28 Mar. 2012.
<<http://www.XXX-web.com/>>.

<http://www.sydneycoastalcouncils.corn.au/sites/default/files/beachsandnourishmentscopingstudy.pdf>

Grade Commentary

Ali has demonstrated sound knowledge and understanding of coastal management and natural processes. Current and future strategies are listed with sound discussion. The use of headings, dot points, images and labels demonstrates sound ideas on the effectiveness of strategies. The use of appropriate language also shows an ability to use geographical information to address the issue of coastal management. This work sample demonstrates characteristics of work typically produced by a student working at grade C standard.