

Proposed Orewa Artificial Reefs



From AEE Appendix 2 pg viii

The Reefs

The application is for 4 pods of reefs (3 reefs in each pod making 12 reefs altogether) which, according to the supporting Assessment of Effects on the Environment Report (AEE) will be providing erosion protection for the 'full length of Orewa Beach'. (See picture above.) The AEE states that the 'purpose of the multi purpose reefs is to modify and dissipate wave energy to reduce erosive currents and to cause the formation of a wider beach'. Each submerged sand-bag reef will be approximately 110 - 150m long, 20m wide and will be placed between 375m and 700m from the highest part of the beach (the old dune line). Although the main purpose of the reefs is to stop erosion of the beach the AEE reports advises that the reefs are 'also designed to provide significantly improved surfing conditions' including 'a more consistent and manageable ride' as well as create additional opportunities for recreational activities including snorkelling (with new marine life), wind surfing and kayaking.

Orewa Beach

Paddle Boarders in front of the Surf Club - 12 September 2011



Staggered Building

If consent is given (the closing date for public submissions is 27 September 2011) it is proposed that the second to most northerly pod (as marked above) be built first. This pod will be monitored (as will future pods) to see if the expected outcomes result and 'construction of consecutive reef systems would be dependent on the proven success of the first system'. Each pod is expected to take 12-16 weeks to build.

Expected Outcomes

The main purpose of the reef system is to prevent erosion of the beach; if beach erosion is prevented (or reduced) by a pod then that pod will be 'successful' in its main purpose. If consent is granted based on the application as it is, our understanding is that, in the unfortunate scenario that the surfing wave quality is adversely affected by the first pod (and future pods) then, as long as the pod or pods are preventing erosion on the beach, the remaining pods will most likely be built.

Further details can be obtained from:

- The Assessment of the Effects on the Environment Report (AEE report - 3.7 MB) and
- Appendix 2 of the AEE Report (Design and Assessments of Physical Effects - 11.7MB) (Both available by email from Mark.Ross@Aucklandcouncil.govt.nz)
- Orewa Beach Reef Charitable Trust website: <http://www.orewabeachreef.org/why.php>
- and the Auckland City Council website:

Online Submissions can be made at:

<http://www.aucklandcouncil.govt.nz/EN/BuildingPropertyConsents/ResourceConsents/NotifiedApplicationsSubmissions/Pages/Resourceconsentsubmissionform.aspx>

(further photos follow)

Orewa Bar

12 September 2011

Early Birds



Orewa Beach

Taken from north end of Surf Club car park

12 September 2011

