

Appendix 2

The project may follow an approach recently used in Swansea Bay (<http://ylab.wales/sand-dune-project/>)

The issues was the similar in Swansea where the sand was constantly blowing across the coast path and cycle route.



Figure 1 Issues of sand incursion in Swansea Bay



*Figure 2 Installation of chestnut fencing to trap sand at Swansea Bay*

The solution applied was to create a dune system build up away from the path to trap the sand before it spilled on to the walk/cycle route.

The project will involve installing dune fencing to trap sand several meters in front of the sea wall.



*Figure 3 Installation of fencing and use of geo textile matting to trap sand at Swansea Bay*

The beach profiles are different from this example in Swansea. Fences are only effective 1 m above the spring tides. As we have seen in the past, premature installation of the fences as was done on Instow Dunes, can leave them exposed to storms. Therefore the fencing programme would need to be done in stages moving from the wall further as the sand accretes.

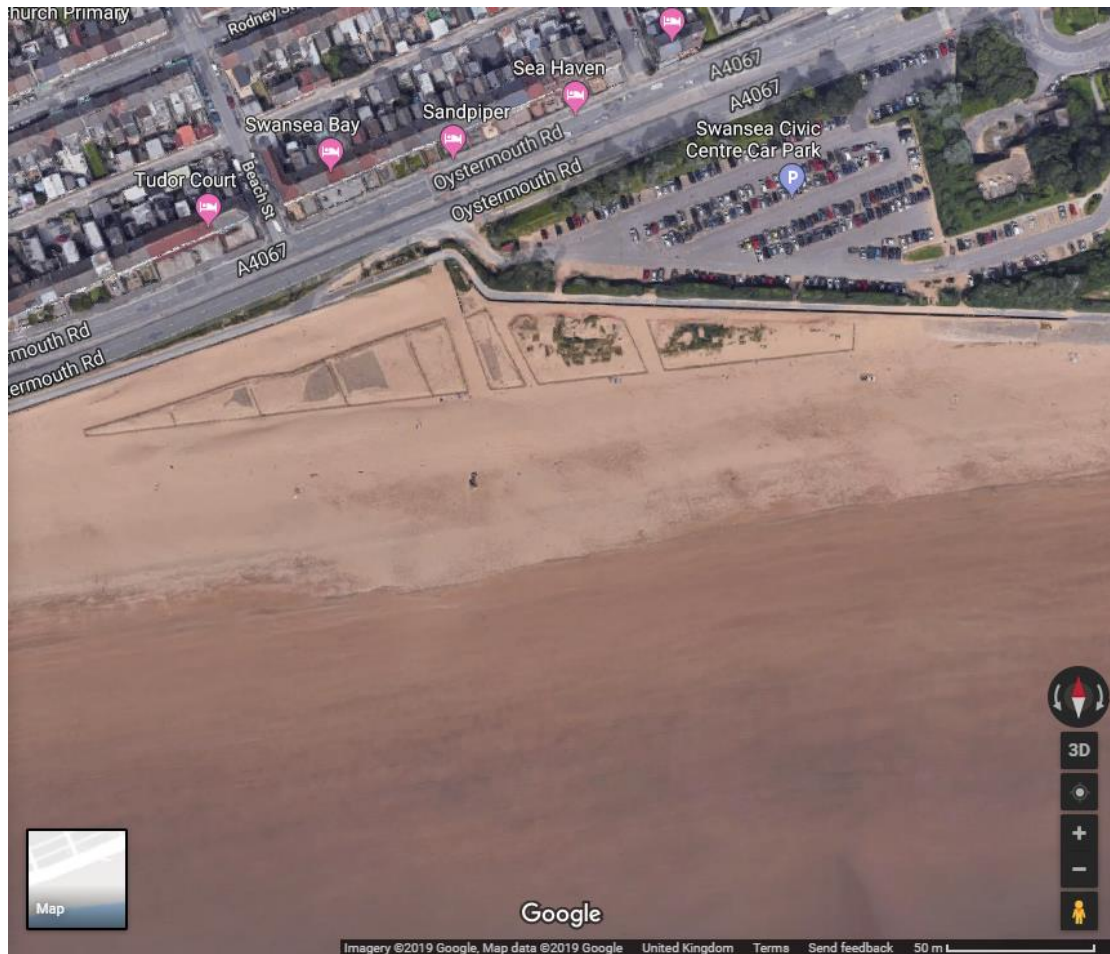


Figure 4 Aerial View of progress of sand entrapment at Swansea Bay

Aerial imagery indicates that the Swansea scheme has not been completely nor instantly successful. It is unlikely to be until or unless the dunes reach a critical height. A more detailed appraisal of this approach needs to be worked up.