

Case Study

Ocean Discharge

Water Purification Using Reactive Filter Media
Project Manager: Waverley Council

Enviro-media is selected organic matter or a combination of selected organic matter and minerals such as sand and soil that are used to physically, biologically and/or chemically treat contaminated air, soil or water.

Waverley Council selected Gaerloch Reserve (Coastal Walk) at Tamarama Beach to demonstrate the performance of Enviro-media containing specified recycled organics to purify run-off from nearby Gaerloch Avenue. The run-off usually travels in pipes straight into the ocean from cliffs near Tamarama Beach without any additional treatment. There is a two meter section where the pipe has broken away that are fitted with drainage channels made from recycled plastics and surrounded by the Enviro-media. The area is leveled off using Enviro-media that captures any excess road run-off.



Exposed Drain prior to Enviro-media installation

The system allows contaminated run-off to be treated by the Enviro-media before the water permeates over the cliff face. There are many situations along the coastal walk where this application can be implemented as well as other streetscape applications. Waverley Council is very keen to use the best environmental solutions available. The upcoming implementation of Storm Water Management Plans by urban councils will give Waverley Council some direction on how to implement the plans in a practical manner using Enviro-media containing recycled organics.

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