



## Case Study: Water Purification Using Recycled Organics

<b>Location:</b>	<b>Gaerloch Reserve, Coastal Walk, Tamarama Beach</b>
<b>Participants:</b>	<b>Waverley Council, Southern Sydney Waste Board, Envirogreen &amp; Atlantis Corporation</b>
<b>Product:</b>	<b>Enviromedia</b>
<b>Market:</b>	<b>Storm Water Purification Segment</b>

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

Waverley Council selected Gaerloch Reserve (Coastal Walk) at Tamarama Beach to demonstrate the performance of enviro-media containing 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 metre section where the pipe has broken away that can be fitted with drainage channel made from recycled plastics and surrounded by the enviro-media. The area would then be leveled off using enviro-media that captures any excess road run-off.

The system would allow 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 receptive to using environmental best practice solutions. 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.



Exposed Drain prior to enviromedia installation

For more information regarding the Waverley Council, Gaerloch Reserve demonstration project contact Scott Ingwersen, Waverley Council, 02 – 9369 8070 or Darren Bragg, Resource NSW at [darren.bragg@resource.nsw.gov.au](mailto:darren.bragg@resource.nsw.gov.au)