Woollahra Golf Course SQID

Woollahra Golf Course is located off O'Sullivan Rd, Rose Bay. It is a public course that neighbours the Woollahra Playing Fields and Royal Sydney Golf Course.

Problems

- The Woollahra Golf Course, Royal Sydney Golf Course and surrounding playing fields were identified as pollutant sources for litter, sediments, nutrients, bacteria and pathogens resulting from grass clippings, fertilisers, pesticides, herbicides and companion animals.

- The existing concrete stormwater channel contained murky water and aquatic growth such as algae.

- The channel required dredging approximately every five years.

- In July 1999, the Port Jackson South Stormwater Management Plan (SMP) recommended that a Stormwater Quality Improvement Device (SQID) be built in the Woollahra Golf Course.

Description of the SQID

- This SQID was installed as part of Sydney Water's $19.4 million, five year Stormwater Environment Improvement Program (SEIP).

- It comprises of a 'naturalised channel', an open sedimentation basin and a trash rack, as well as a small wetland.

The upstream crumbling concrete walls were replaced with sandstone and vegetation to provide habitat for birds and reptiles, and to improve stormwater quality.

Stormwater flows down the 'naturalised channel' into the sediment trap, which captures sediments.

A trash rack is also used to capture gross pollutants, such as litter and grass clippings.

The SQID is regularly inspected and cleaned by Sydney Water.

Stormwater then flows into a small wetland that helps to remove nutrients from the stormwater runoff before it flows to Rose Bay.

Benefits of the SQID

- This SQID is helping to improve water quality in Rose Bay by removing nutrients, sediment and gross pollutants from stormwater runoff.
- Sydney Water expects that this device will capture and prevent 78 cubic metres of litter and 98 tonnes of sediment from entering Rose Bay every year.
- The SQID is helping to improve water quality and protect seagrasses in Rose Bay, which provide habitat for the Whites Seahorses.