



# Litter – Strategic Approaches

## Core Services – What do we do?

Streamology delivers specialist services in Integrated Water, Stormwater and Litter Management that is informed by our in-depth understanding of urbanisation and the resulting impacts on waterways. We know the processes and have been involved at various levels in developing stormwater and litter strategy and policy.

Combined with our specialist expertise in waterway and stormwater science, engineering, and management we offer holistic and strategic advice and solutions for todays and future litter challenges.

## Innovation in litter assessments

We apply evidence-based, strategic, whole of catchment and system thinking, when analysing litter problems and solutions. We focus on prevention and source control rather than end of system measures to provide solutions that address the root causes of litter problems rather than the symptoms. We utilise techniques such as hydrodynamic modelling, time-lapse analysis and drone monitoring to track litter pathways in waterways to optimise litter trapping and develop integrated management programs.

Strategic  
litter  
investigations,  
modelling,  
assessments and  
program  
development

## + Capabilities:

- Applying a strategic whole of catchment and system approach with a focus on best practice stormwater management, prevention and source management
- Undertaking data-based whole of catchment or system investigations to understand the litter problem of the specified area through identifying sources, problem litter types, pathways, sinks, range of solutions, and collaborative strategic actions
- Undertaking multi-criteria assessments of litter trapping devices to identify optimised management options and solutions for litter managers
- Use hydrodynamic modelling and particle tracking to assess the suitability and effectiveness of litter interceptors, identifying suitable locations in waterways and device optimisations
- Undertaking time lapse camera analysis and drone monitoring to inform litter assessments
- Development of integrated litter management programs

