



ABOUT THIS REPORT CARD

Community surveys have told council that residents want catchments managed effectively to improve the cleanliness, health and biodiversity of the Shire's waterways.

Council monitors our waterways through its Strategic Water Monitoring Program (SWaMP). In 2017/18 council expanded the traditional physical and chemical SWaMP analysis to include freshwater macroinvertebrates (waterbugs) as an additional indicator of stream health.

This report card provides a visual snapshot of the condition of the shire's waterways for 2021/22. The alphabetical grades provide a familiar rating system to aid in the interpretation of scientific information. To understand how the grades are determined please see SWaMP's Objectives, Sampling Methodology and Data Analysis document, which can be found on Council's water quality webpage

sutherlandshire.nsw.gov.au/Outdoors/Environment/ Waterways/Water-Quality

PRESSURES FACING URBAN CREEKS

Creeks flowing through urban catchments generally suffer from increases in sediment, nutrients (nitrogen and phosphorous), metals and rubbish. They also experience a reduction in biological diversity and habitat complexity. Urban catchments have roads, roofs, driveways and other types of impervious surfaces that direct rainwater, usually via a piped network, into local creeks. This process bypasses water's natural pathway and introduces the contaminants found on impervious surfaces into local waterways.



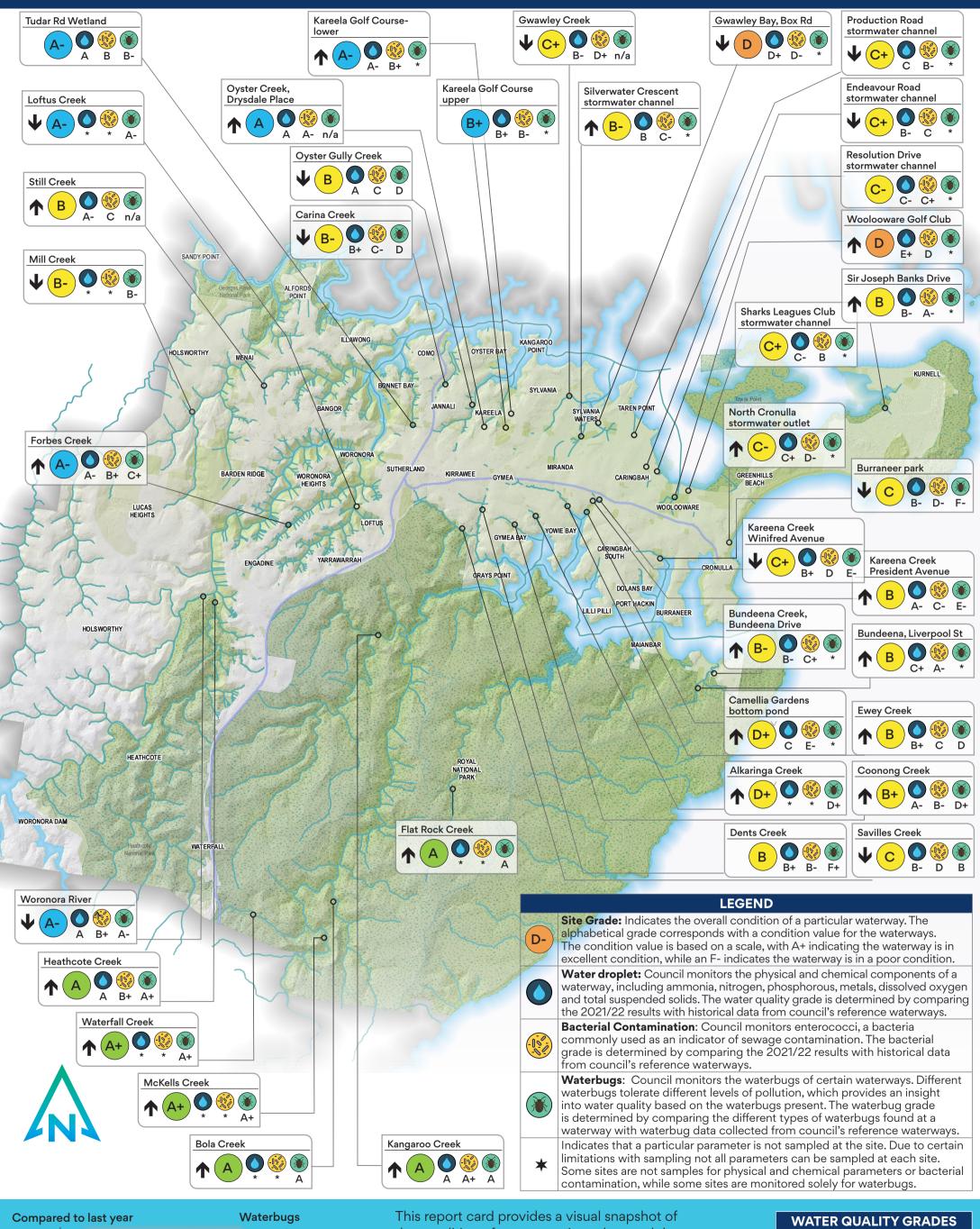
MANAGING URBAN WATERWAYS

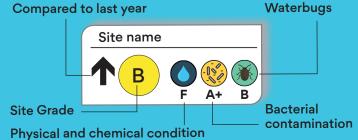
In April 2022 Sutherland Shire Council adopted the Bate Bay Coastal Management Program (CMP), prepared in accordance with the NSW Government's coastal management framework. Council is currently preparing to commence a CMP for Port Hacking, starting with the preparation of the Stage 1 Scoping Study. Navigation, waterway health and foreshore access will be some of the key issues addressed in the CMP.

Council recently installed two major gross pollutant traps (GPTs) on a trunk stormwater line draining parts of Taren Point, Caringbah and Miranda. Smaller GPTs have also been investigated for installation on multiple stormwater outlets to Gwawley Creek. Both initiatives will help improve water quality and amenity in Sylvania Waterways and lower Georges River.

Council continues to rehabilitate the Shire's urban waterways, which in 2021/22 included the following creeks: Loftus, Carina, Still, Bottle, Fahy, Mandowie, Kareena, Coonong and Savilles. These works improve local biodiversity and amenity and contribute to improving the ecological health receiving waterways.

WATERWAY HEALTH GRADES





This report card provides a visual snapshot of the condition of waterways in and around the shire for 2021/22.

The grades are calculated from council's **S**trategic **W**ater **M**onitoring **P**rogram (SWaMP). The alphabetical grades represent the 2021/22 result for that particular waterway.

WATER QUALITY GRADES	
A+ to A	Excellent
A- to B+	Good
B to D+	Fair
D to F-	Poor
Fail	Degraded
*	Not sampled