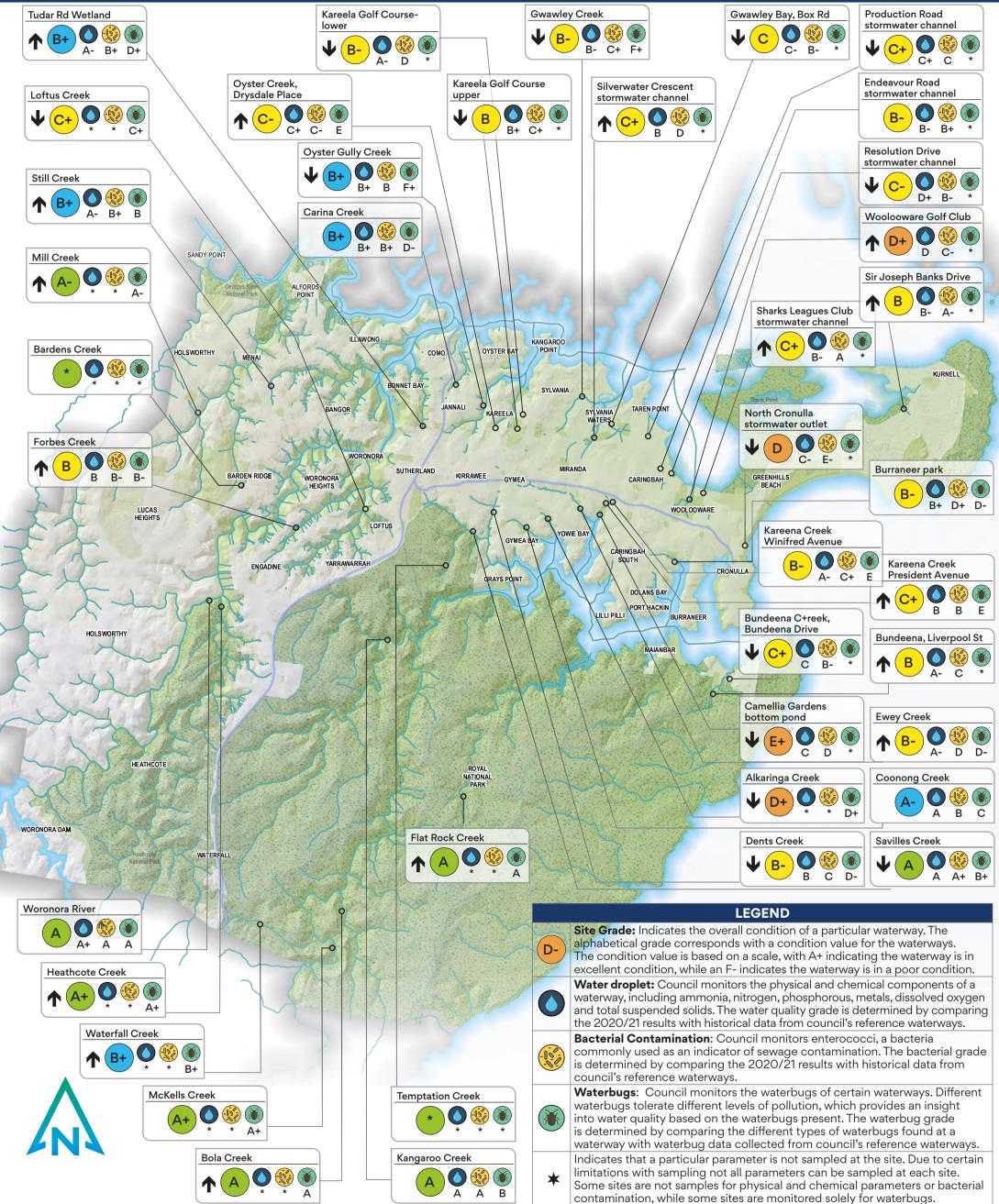
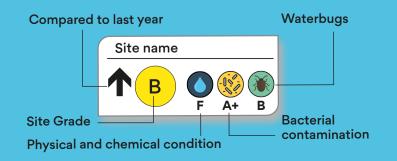
## 2020/21 SUTHERLAND SHIRE WATERWAYS HEALTH REPORT CARD

# WATERWAY HEALTH GRADES



contamination, while some sites are monitored solely for waterbugs.



This report card provides a visual snapshot of the condition of waterways in and around the shire for 2020/21.

The grades are calculated from council's Strategic Water Monitoring Program (SWaMP). The alphabetical grades represent the 2020/21 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

#### **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 2020/21. 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





Sampling Loftus Creek

Collecting waterbugs





Sediment contamination

Detergent contamination

### 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 2020/21, Council's Waterways Rehabilitation Program completed works at Kareena Creek, and continued works at Coonong and Savilles creeks. Works included creek bank stabilisation, removal of woody weeds, exotic vines and scramblers, and revegetation of 1000's of native plants grown at council's community nursery. The works will improve water quality, the area's aesthetics and biodiversity.

Due to the Covid-19 pandemic some macroinvertebrate sites were unable to be sampled.





Water Scorpion (Laccotrephes tristis)

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