

A close-up photograph of a clear glass filled with water and ice cubes. A stream of water is being poured from a silver kettle into the glass, creating ripples and bubbles. The background is a soft-focus green, suggesting an outdoor setting. A green geometric shape is on the left side of the page.

ANNUAL DRINKING WATER QUALITY REPORT 2024

MID-WESTERN REGIONAL COUNCIL

OVERVIEW

Council’s report card



Health

100% compliance with Australian Drinking Water Guidelines (ADWG) achieved.



Aesthetic

100% compliance with ADWG achieved for Rylstone, 98% for Mudgee and 95% for Gulgong.



Events and improvements

Unlined cast iron mains in Gulgong are causing occasional clarity issues. Replacement of mains is progressing with around 14km replaced to date.

Council is participating in the Town Water Risk Reduction program with

WaterNSW to improve our understanding of source water quality and water catchment management. This program is funded by DCCEEW.

Council participated in the Advanced

Operational Support Program for Rylstone Water Treatment plant (funded by DCCEEW). Recommendations arising from this program are being implemented.



NSW Health Fluoride

Mudgee fluoride delivery system failed and is currently not operational due to unacceptable WHS risk to operators. Council has sought NSW Health and Department of Climate Energy, the Environment and Water (DCCEEW) approvals to proceed to construction of a new system.

Rylstone fluoride delivery system has not been operational since July 2024 and is expected to be back online by end of January 2025. Gulgong fluoride delivery system is operational.

Verification monitoring of distribution systems

Council is committed to providing the communities of Mudgee, Gulgong, Rylstone, Kandos, Charbon and Clandulla with safe, secure, reliable and high quality water. This annual report is produced to inform the community of the quality of the drinking water over the course of the year.



HEALTH MEASURES



E.coli

A gut bacterium. Used as an indicator of fresh faecal contamination of water.



Fluoride

Improves dental health.



Free chlorine

Disinfection of the water. At higher levels it can cause taste, odour and health issues.



Manganese

Occurs naturally in water. Concentrations over 0.5mg/L can cause health concerns.



AESTHETIC MEASURES



pH

Indication of how acidic/basic the water is. pH less than 6.5 may be corrosive. pH greater than 8.5 may cause scale and taste problems.



Turbidity

A measure of the relative clarity of the water. Turbidity is caused by particles suspended in the water.



Iron

Occurs naturally in water. High concentrations stain laundry and fittings.



Hardness

Caused by calcium and magnesium. 60-200mg/L indicates good quality water.



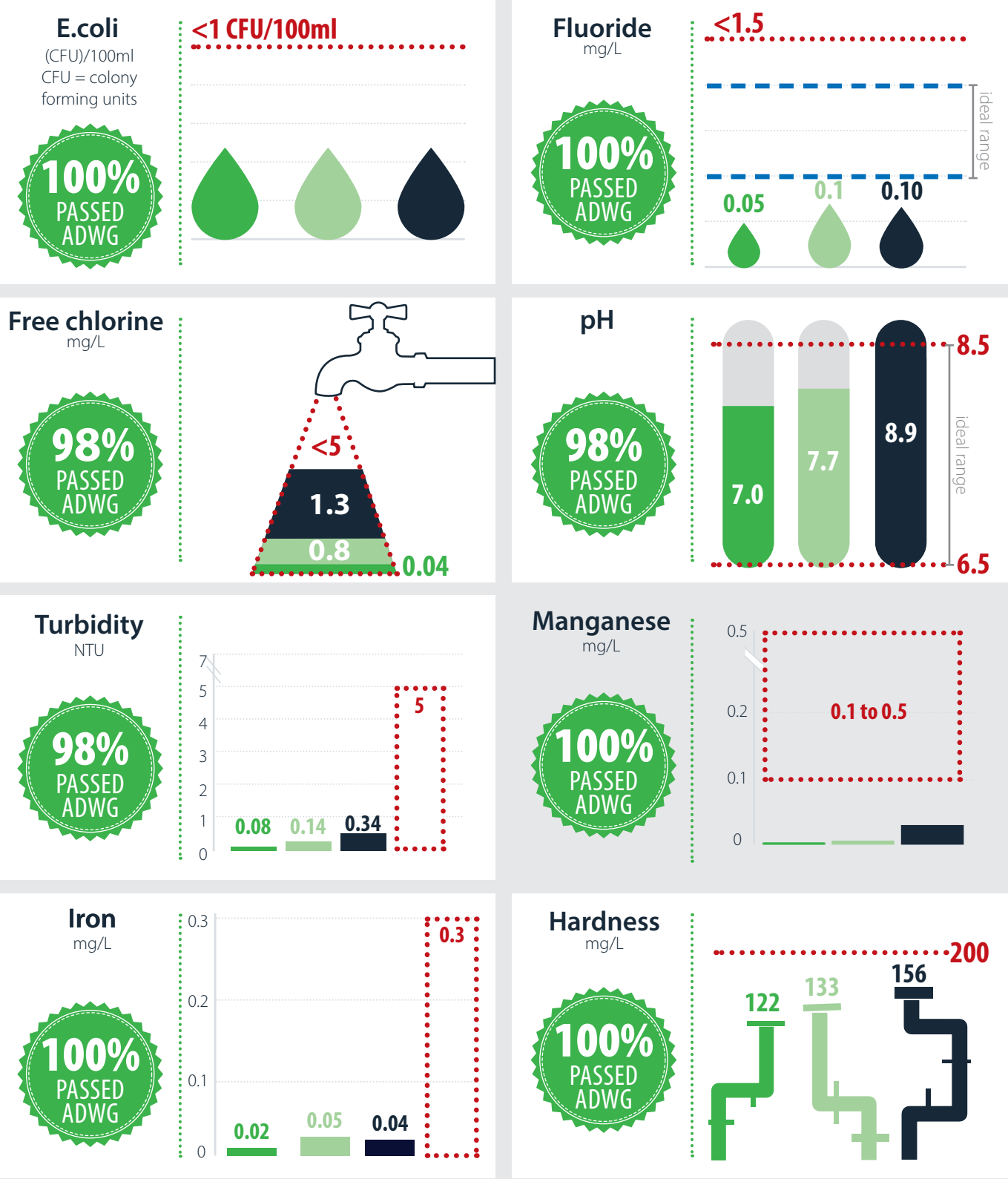
Manganese

Occurs naturally in water. Concentrations over 0.1mg/L can cause taste and staining.

DRINKING WATER RESULTS – MUDGEE

..... Australian Drinking Water Guideline (ADWG) Value — NSW Health target value ■ Minimum ■ Median ■ Maximum

Note: Graphs not to scale

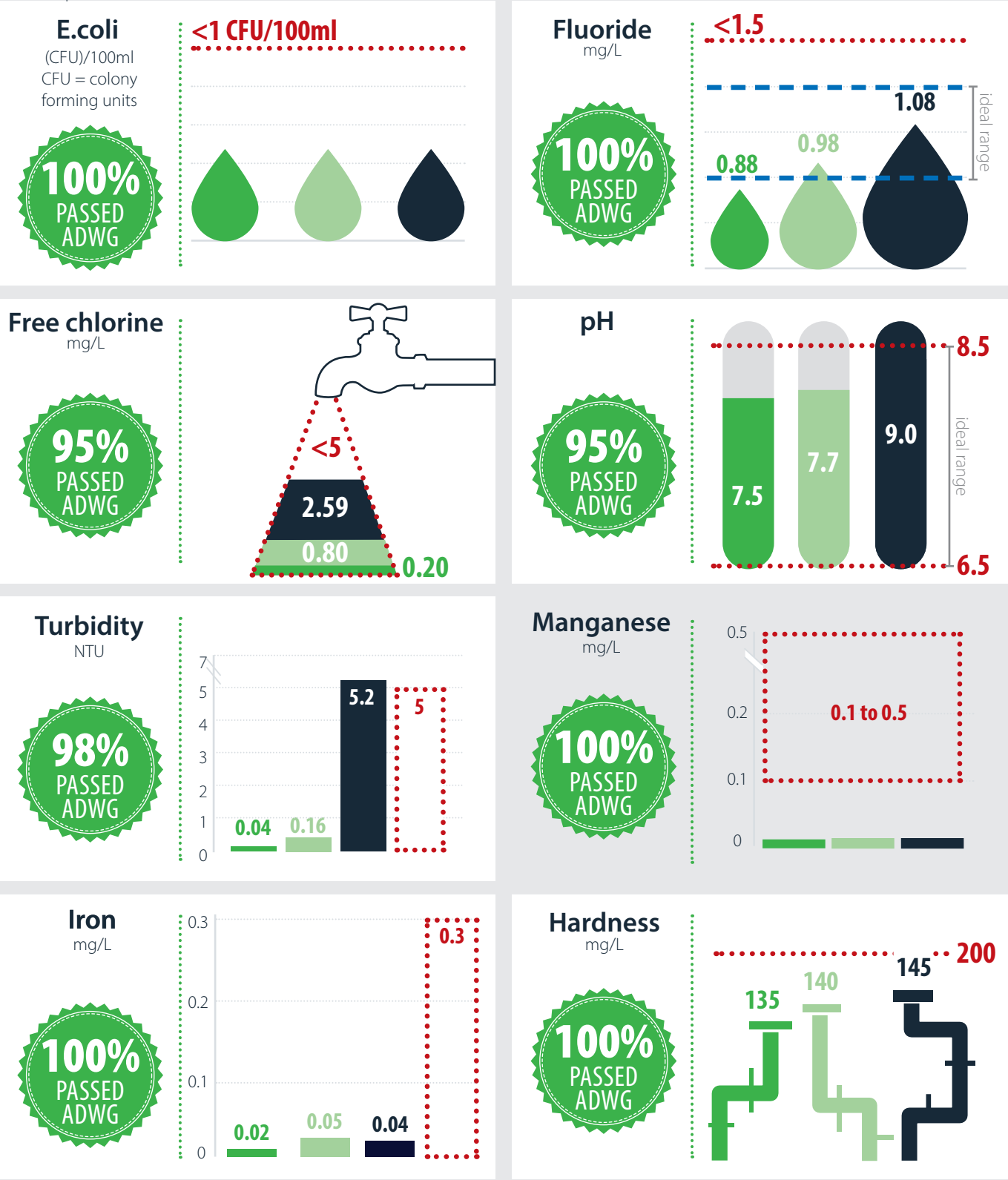


Source: Results from Weekly Verification monitoring – NSW Health Database

DRINKING WATER RESULTS – GULGONG

..... Australian Drinking Water Guideline (ADWG) Value — NSW Health target value ■ Minimum ■ Median ■ Maximum

Note: Graphs not to scale

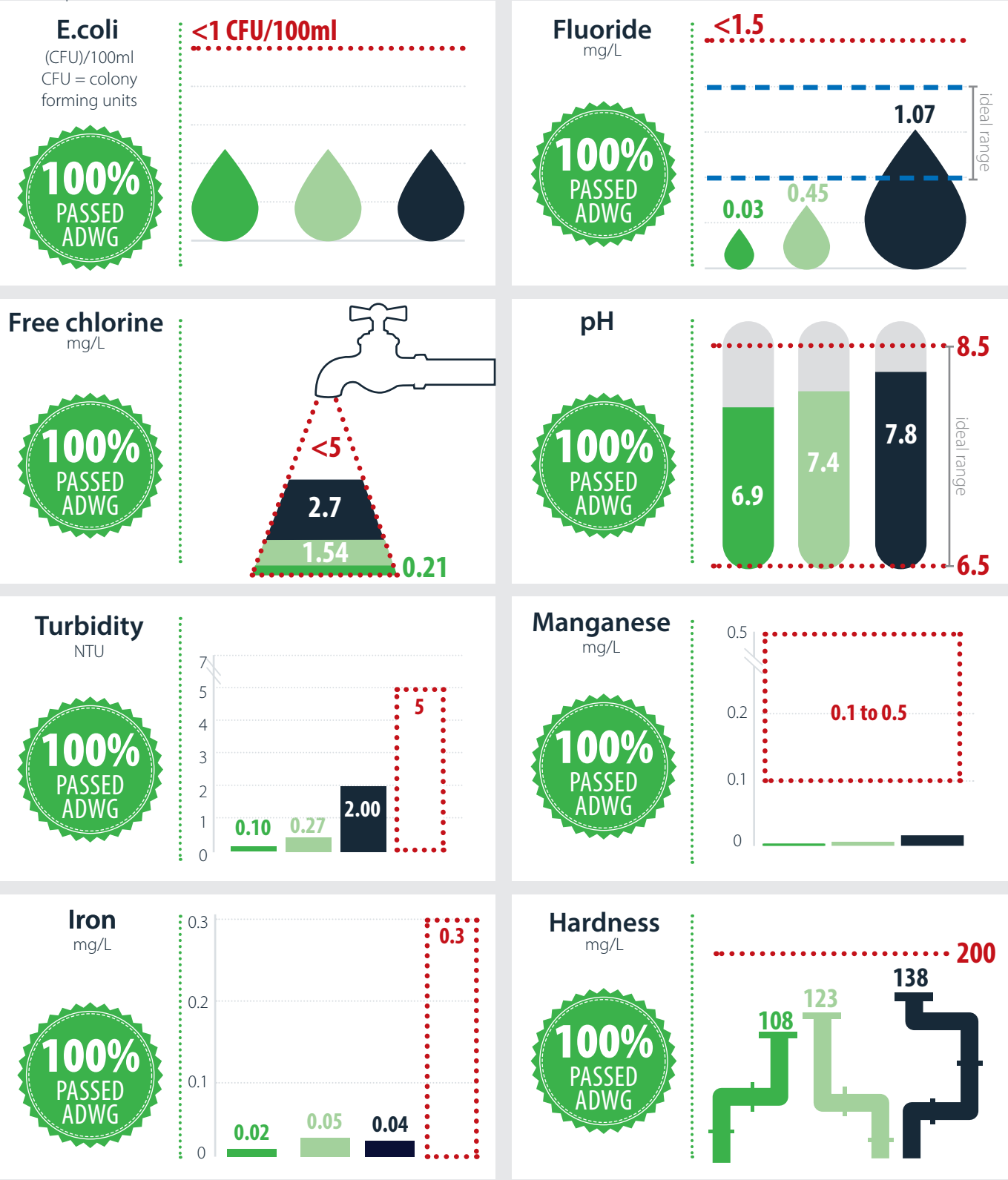


Source: Results from Weekly Verification monitoring – NSW Health Database

DRINKING WATER RESULTS – RYLSTONE

..... Australian Drinking Water Guideline (ADWG) Value — NSW Health target value ■ Minimum ■ Median ■ Maximum

Note: Graphs not to scale



Source: Results from Weekly Verification monitoring – NSW Health Database