



Blamey Barracks Ongoing Monitoring Results – October 2023 to March 2025

Sample type	Summary of findings
Groundwater 22 samples collected from 9 locations	- PFAS concentrations were generally similar to previous results. - The highest concentrations were detected near the Sewage Treatment Plant in April 2024, within the regional aquifer. Concentrations dropped significantly in the March 2025 event.
Surface water 38 samples collected from 15 locations	- PFAS concentrations were generally similar to previous results. - An increasing trend has been observed within a dam on a private property along Kapooka Creek. An additional risk assessment indicated no change to overall human health risks at the property.
Sediment 31 samples collected from 11 locations	- PFAS concentrations through the period were similar to previous results. - Some fluctuation in concentrations have been observed, however this variability is expected in sediment samples.
Sewer 11 samples collected from 4 locations	PFAS concentrations through the period were similar to previous results.

Summary

- Groundwater, sediment and sewer concentrations appear consistent with previous results.
- Overall, the latest ongoing monitoring results do not suggest a change in potential exposure risks.
- Defence will continue to monitor the location and engage with the property owner.



Kapooka Creek

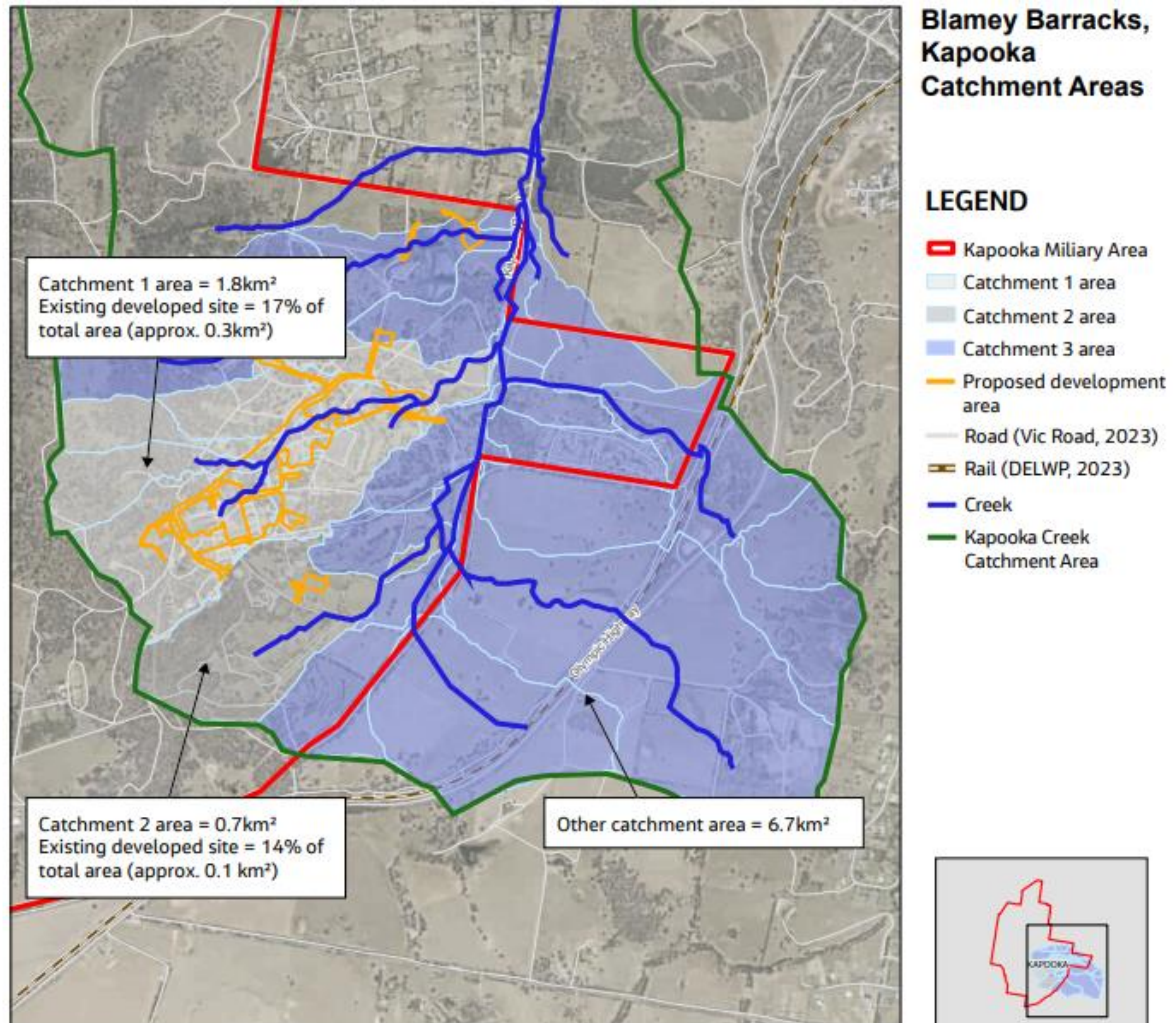


Sediment sampling



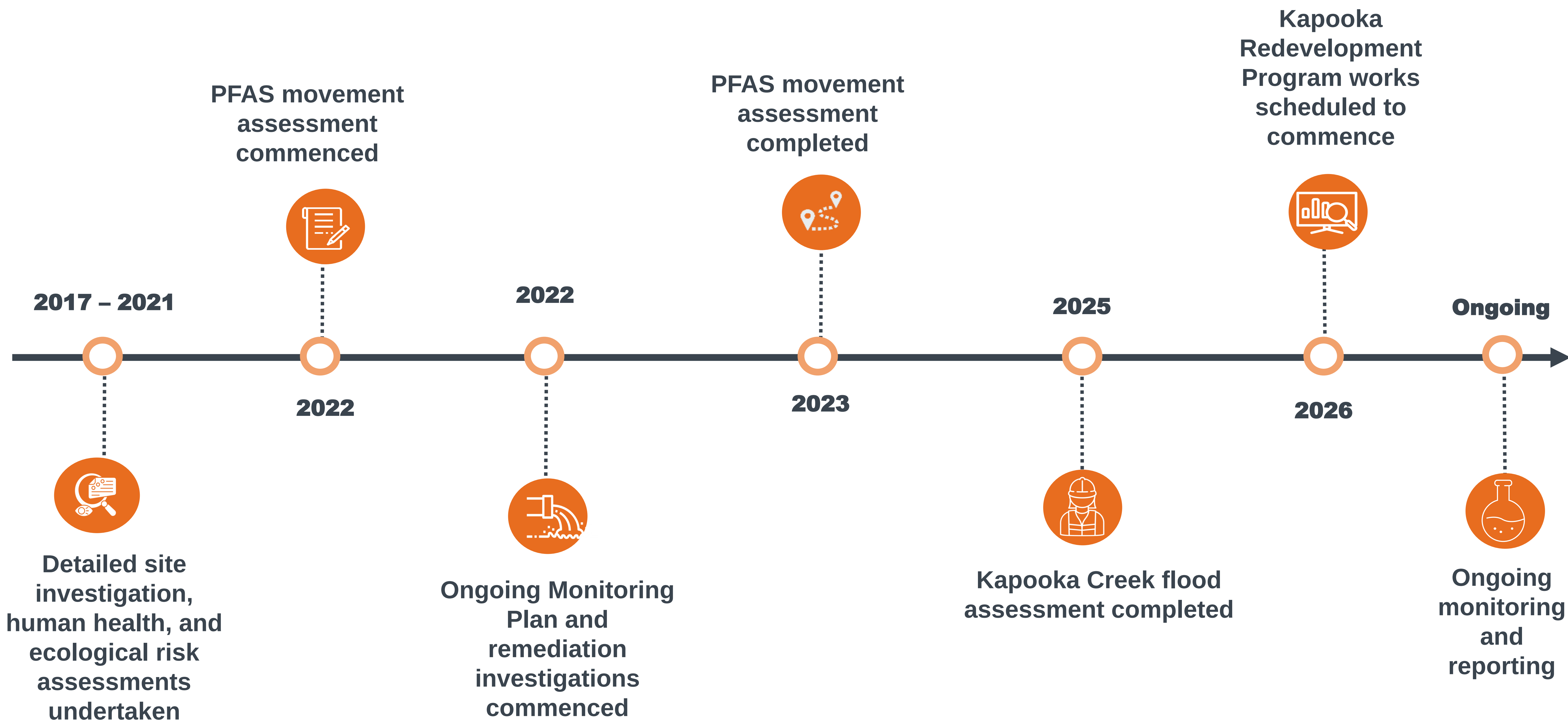
Kapooka Redevelopment Program Flood Modelling

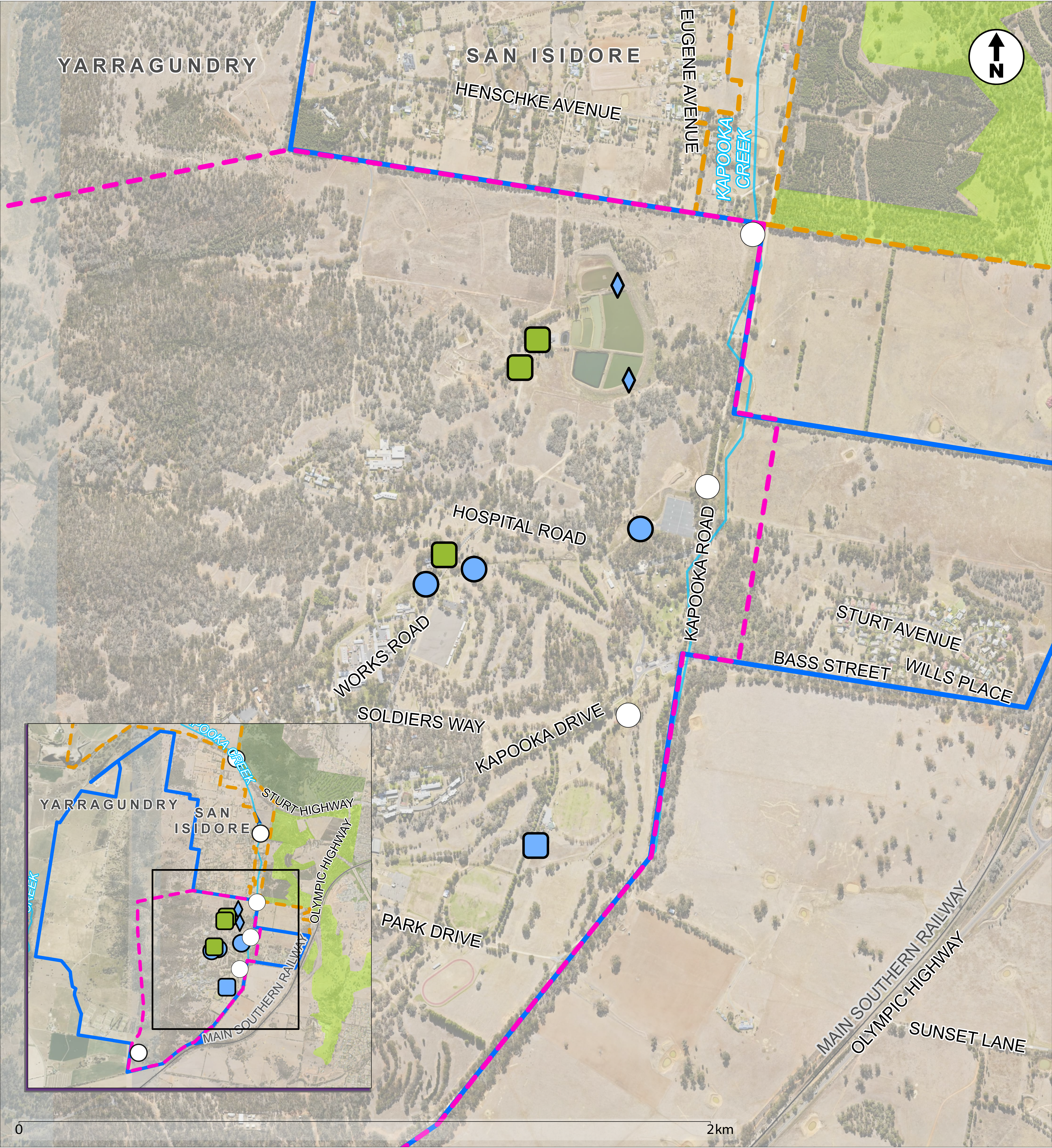
- A flood study was prepared for Kapooka Creek by an independent consultant as part of the Riverina Redevelopment Program.
- The Riverina Redevelopment Program is proposing the following works to mitigate potential flood impacts from the development:
 - A new ring road with an open roadside drain.
 - The proposed construction of a 17,000m³ detention basin, which is an excavated area of land used to temporarily store water during a flood. The water is then released through a smaller outlet to control and slow the flow of water downstream.
 - Construction of seven bunds across Blamey Barracks to mitigate flood risk. A bund is where soil is formed into an embankment to act as a barrier.
 - Construction of an internal drainage channel including a series of culvert crossings which are raised channels, typically large concrete pipes. This will help move water to existing channels.





Blamey Barracks Program Timeline





Legend

Site Boundary

On-Base Management Area

Off-Base Management Area

Treated Effluent Ponds

Waste Water

Surface Water

March 2025 Surface water PFOS samples (result units are in $\mu\text{g/L}$)

Not sampled

Non-Detect

Above Detection Limits

Railway

Watercourse

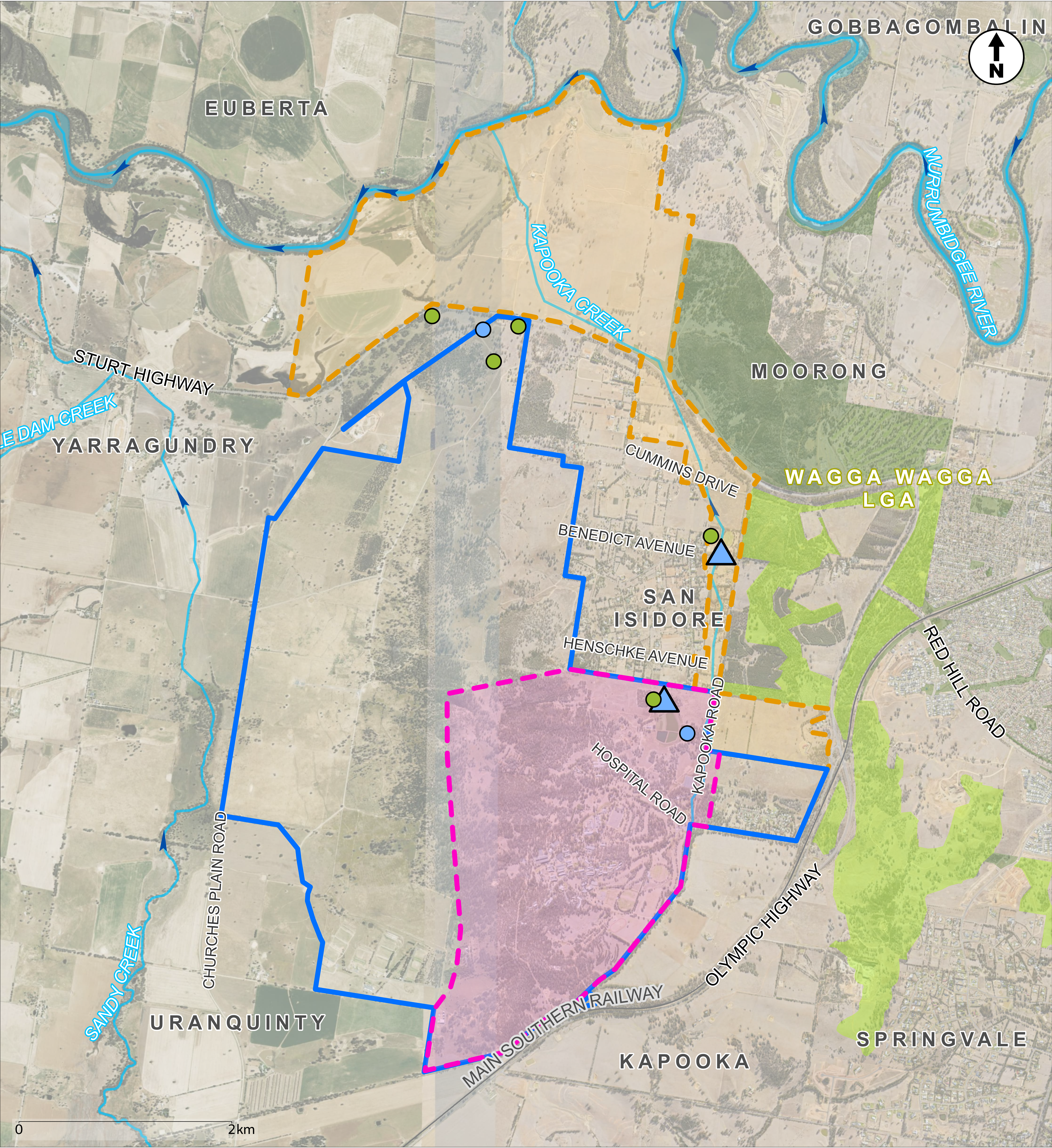
Environmental protection

Scale: 1:4,000 @ A0
GDA2020 MGA Zone 55
Data sources: Jacobs 2025, DCS 2025
Basemap: Metromaps, ESRI Imagery 2025

PFAS Ongoing Monitoring Results – Blamey Barracks Kapooka - Surface Water

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Legend

Site Boundary

On-Base Management Area

Off-Base Management Area

Perched Aquifer

Regional Aquifer

March 2025 Groundwater PFOS samples (result units are in $\mu\text{g/L}$)

Not sampled

Non-Detect

Above Detection Limits

Railway

Watercourse

Parks and recreation

Environmental protection

Scale: 1:13,000 @ A0
GDA2020 MGA Zone 55

Data sources: Jacobs 2025, DCS 2025
Basemap: Metromaps, ESRI Imagery 2025

PFAS Ongoing Monitoring Results – Blamey Barracks Kapooka – Groundwater

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