



Army Aviation Centre Oakey – Groundwater and Surface Water Monitoring Update

PFAS Investigation and Management Program

About the Investigation

The Department of Defence has completed a detailed environmental investigation into the nature and extent of per- and poly-fluoroalkyl substances (PFAS), resulting from historical use of firefighting foams at Army Aviation Centre Oakey.

The investigation found the PFAS concentrations in groundwater are highest on-Base, near potential source areas, with PFAS transported from Base through groundwater and surface water.

Monitoring Details

In July 2017, Defence commenced groundwater monitoring program at selected bores within the Management Area. Defence also conducted seasonal monitoring, to characterise PFAS concentrations in groundwater and surface water after the wet season.

The monitoring, which concluded in May 2018, was undertaken to better understand the distribution of PFAS in groundwater and surface water in the Management Area.

The program involved collecting:

- **146 groundwater samples**, from monitoring wells, bores, taps and tanks.
- **7 surface water samples**, from Oakey Creek and Doctor Creek.

Findings

A final report concluded that PFAS concentrations and extent of the PFAS in groundwater were broadly consistent with the groundwater results in the 2017 Environmental Site Assessment (ESA).

The map below shows the sample locations and results.

The assessment found that PFAS impacts near the Base's southern boundary are related to surface water transport of PFAS along stormwater drains to Oakey Creek. PFAS in groundwater then flows to the west, which is the regional groundwater flow direction.

For further information contact or visit:

- 1800 136 129
- Defence.oakey@aecom.com
- www.defence.gov.au/environment/pfas/Oakey/

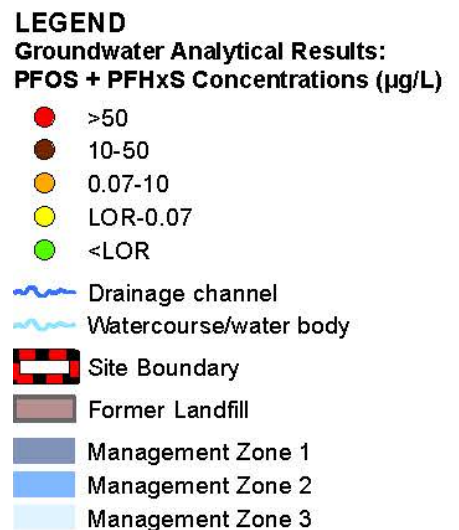
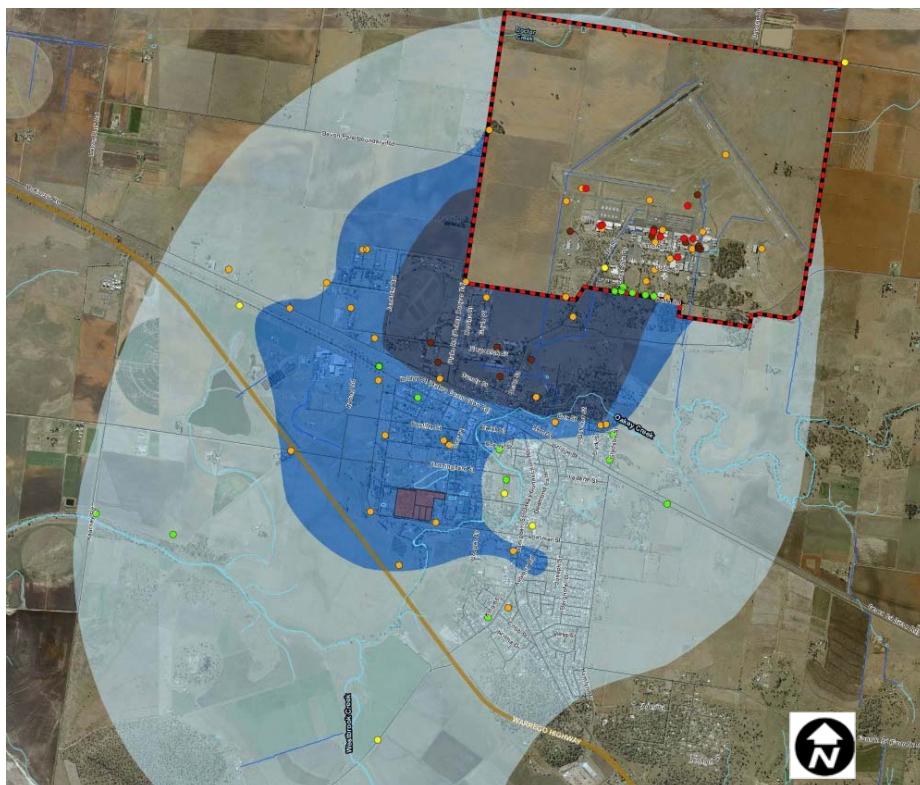


Figure: PFAS Concentrations in Groundwater in the Management Area: July 2017 to May 2018

