



## RAAF Base Darwin – Ongoing monitoring

### Source areas

- PFAS source areas are found where firefighting foam was previously used, stored or disposed.
- Defence identified 11 PFAS Source Areas.
- PFAS moves through surface water and groundwater to Rapid, Ludmilla and Reichardt Creeks.

### Remediation Aims

- Minimise PFAS leaving the base by focusing on remediating source areas.
- Focus on treating PFAS in soil and concrete.
- Over time these works will reduce PFAS leaving the base and improve conditions in the Management Area.





## RAAF Base Darwin – source area remediation

### Completed

- At Hangar 31 and Former Fuel Farm 1 approximately 90% of PFAS was removed.
- Interim measures implemented at the Current Fire Training Area to reduce PFAS entering Rapid Creek.

### Underway

- Former Fire Training Area 1 completed by late 2023.
- Working with Darwin International Airport to remediate source areas at the airport

### Planning

- Remediation Action Plans developed for Current Fire Training Area, Former Fire Station and Former Fuel Farms 4 and 6.
- Minor source areas to be addressed as part of future development.

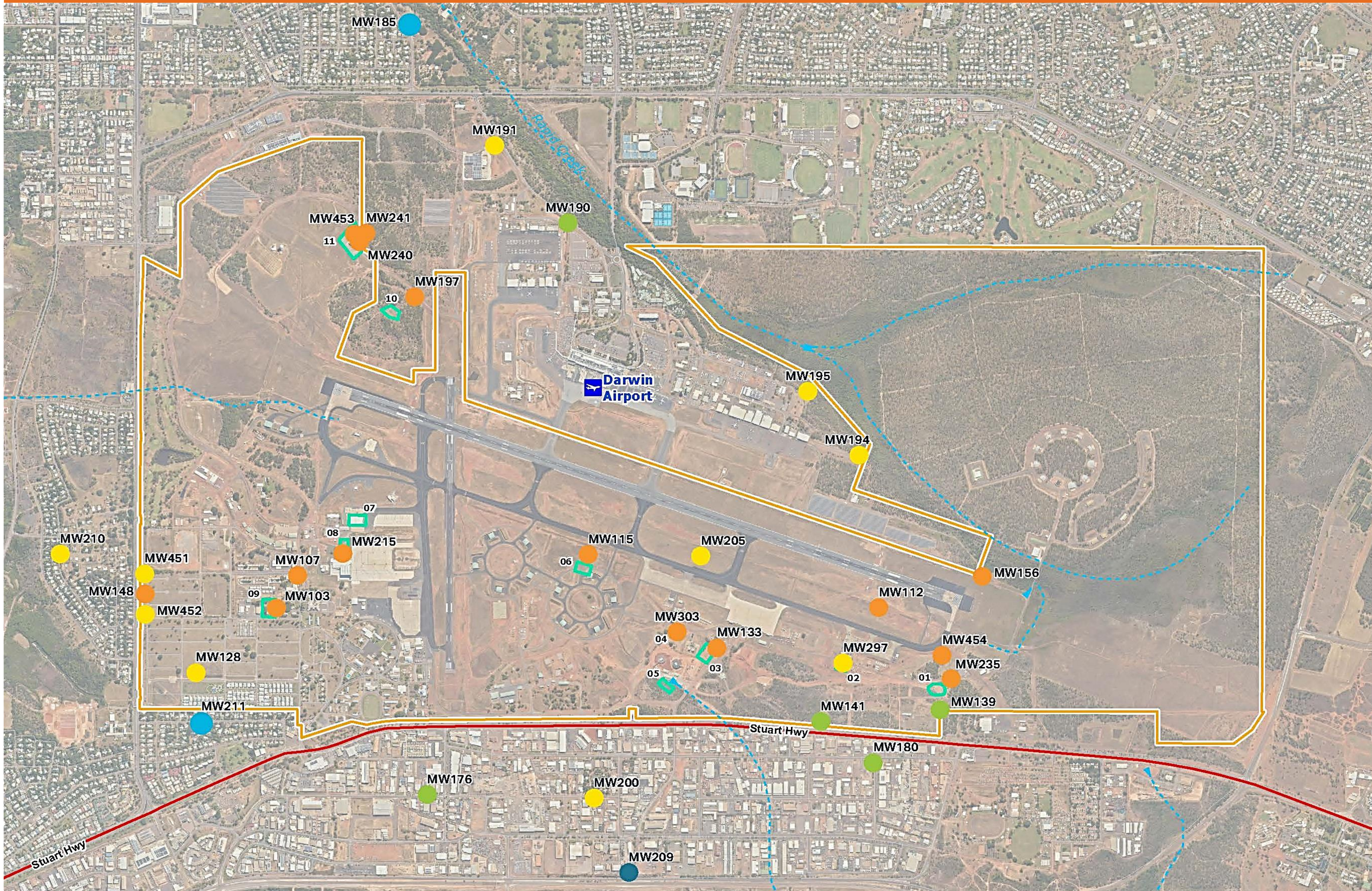




## RAAF Base Darwin – ongoing monitoring

### Recent key findings

- Human Health Risk profile has not significantly changed
- PFAS in groundwater is stable or decreasing
- PFAS in some surface water locations is above recreational water guidelines
- PFAS continues to be found in aquatic biota and this risk is managed by Northern Territory Health



**Legend**

Drainage	<b>Sum of PFOS and PFHxS Concentrations</b>	0.07 to 0.7 µg/L
RAAF Base Darwin	Below LOR	0.7 to 7 µg/L
Source Area	LOR to 0.07 µg/L	7 < 70 µg/L
Highway	=> 70 µg/L	
Road		

This map shows results of groundwater samples collected in March 2023.

- **Dark and light blue** represent results below drinking water guidelines.
- **Green** is below recreational guidelines
- **Yellow, orange and brown** exceed both drinking water and recreational guidelines.
- On-base source areas are shown with a **teal** outline.

**Correction:** The original version of this poster contained advice relating to RAAF Base Darwin that was incorrect. The poster should have contained the following advice: PFAS in some surface water locations is above recreational water guidelines. Defence apologises for this oversight.