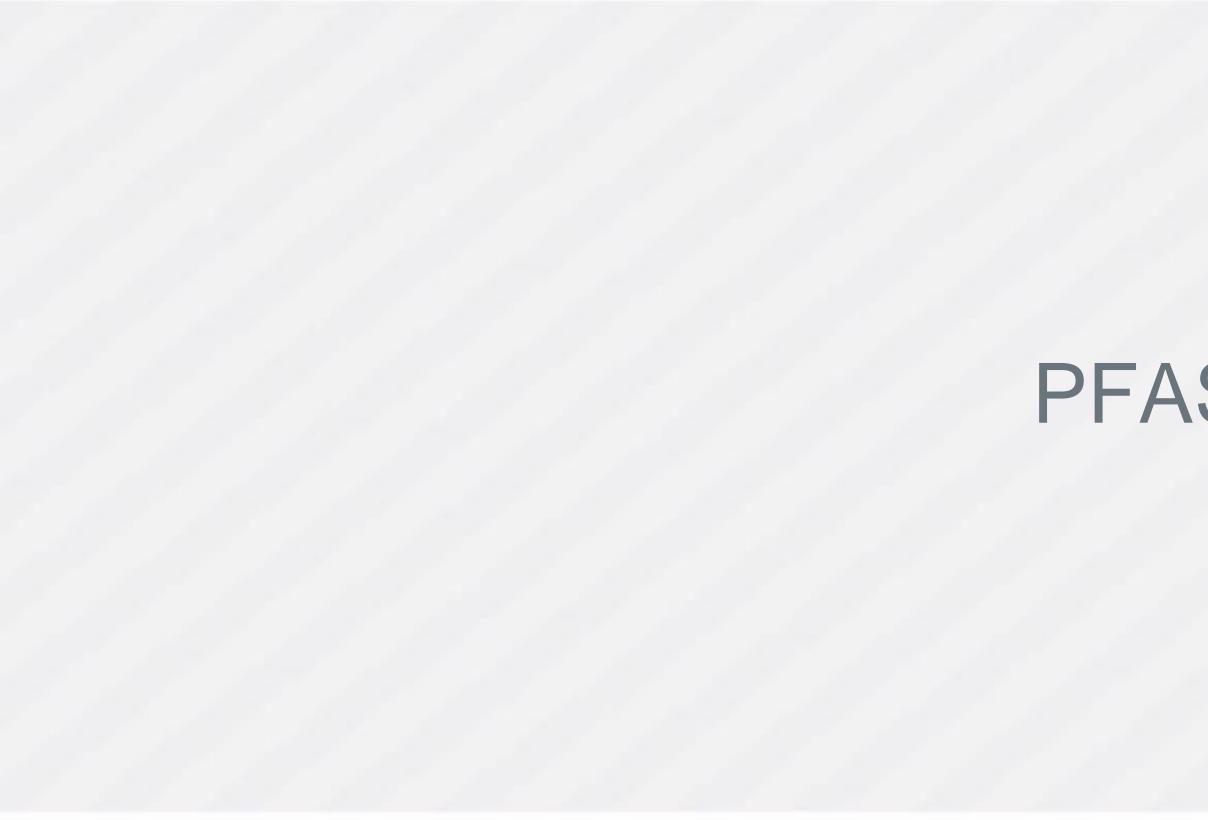


Community Consultative Session PFAS Investigation and Management Program



PFAS INVESTIGATION AND MANAGEMENT PROGRAM

HMAS Albatross PFAS Investigation and Management Program update Thursday 9 November 2023

Defending Australia and its National Interests www.defence.gov.au

SERVICE COURAGE RESPECT INTEGRITY EXCELLENCE







Acknowledgement of Country

We would like to acknowledge the Dharawal, Wodi Wodi, Wandi Wandandian, Jerrinja and Wreck Bay communities, who are the traditional owners of the land where we meet today. care for the environment around us.

We would like to pay respect to Elders past, present and emerging. We acknowledge the deep connection these communities have to this country and its waterways, and how they have and continue to

We also pay my respects to Indigenous men and women who have contributed to the Defence of Australia in times of peace and war.



PFAS INVESTIGATION AND MANAGEMENT PROGRAM



SERVICE RESPECT



Defence

Outline



- •What are PFAS?
- How PFAS moves in the environment
- Initial investigations
- PFAS Management Area Plan
- Further investigations
- Proposed remediation
- Ongoing Monitoring Plan
- Next steps
- Questions

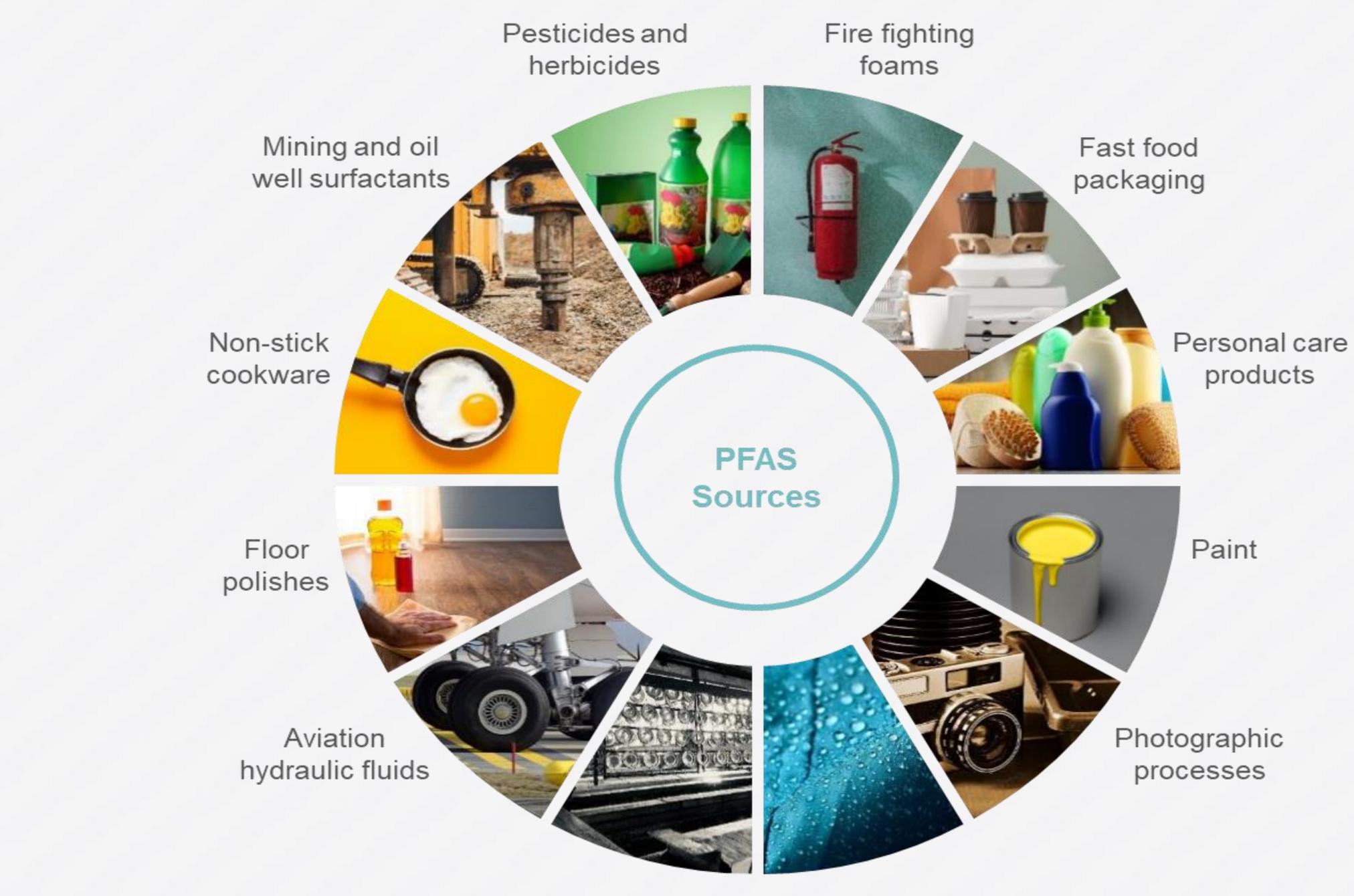
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What are PFAS?



Mist suppressant in metal plating industry

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Stain resistant products

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PFAS movement through the environment

THE SOURCE

Legacy firefighting foam used for training and to extinguish liquid fuel fires

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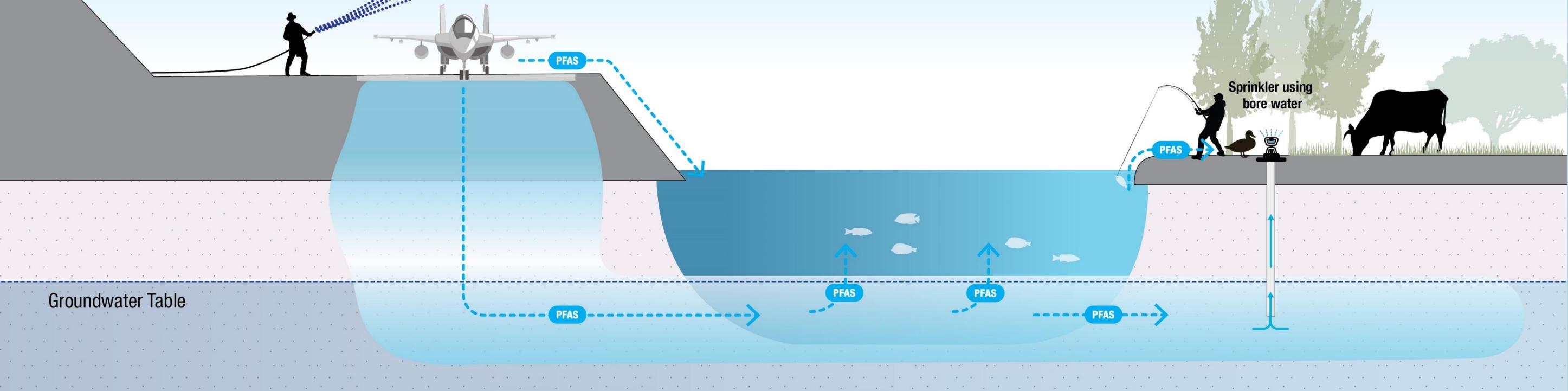
Groundwater Table

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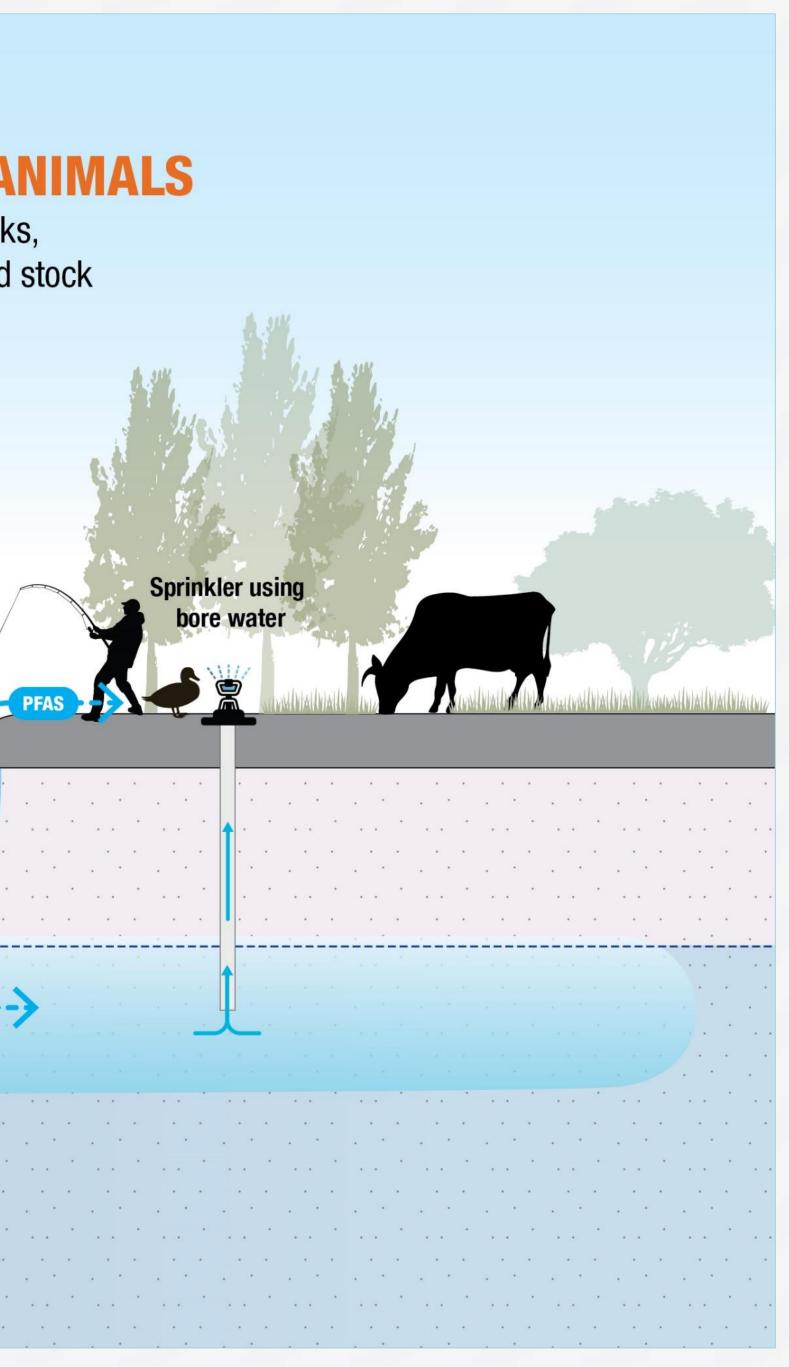
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PEOPLE, PLANTS AND ANIMALS

Aquatic biota in drains/creeks, land animals including pets and stock









Braidwood Rd

Defence

HMAS Albatross

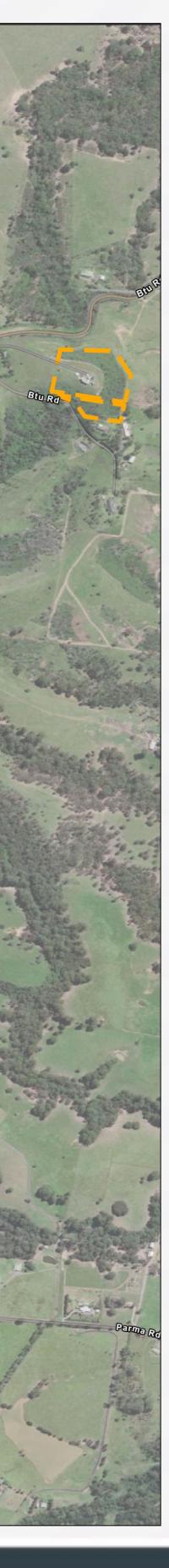
Former Fire Training Area

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Nowra Airport Flight Lines and Hangars Area

> Sewage Treatment Plant





Legend

Source area
Base boundary
Braidwood Road drain
Primary direction surface water flows



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PFAS Management Area Plan - Management approach



Source controls

Manage the source areas.

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Pathway controls

Reduce movement of PFAS off-base.

Follow existing precautionary advice to reduce exposure.

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Exposure controls



PFAS Management Area Plan - Recommendations

RECOMMENDATION

Implement an Ongoing Monitoring Plan

Investigate and assess the Sewage Treatment Plant

Plan and install a surface water treatment system

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- Manage PFAS in soils at the Former Fire Training Area

RESPECT

STATUS



Design agreed

Commenced

Being revised



Further investigations

- Mass Flux Assessment completed in June 2022.
- Base work at HMAS Albatross influences the remediation planning and schedule.
- The PFAS Program Team is working closely with the runway design team to ensure that the works do not lead to additional PFAS leaving the base.

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The Bell 429 Aircraft land one of their final flights with Navy, retiring after 12 years of service at HMAS Albatross.





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Proposed remediation at the Former Fire Training Area



pooling of water.



collecting PFAS.



Drainage around the site will be redeveloped to minimise erosion and divert clean water from contaminated soil.

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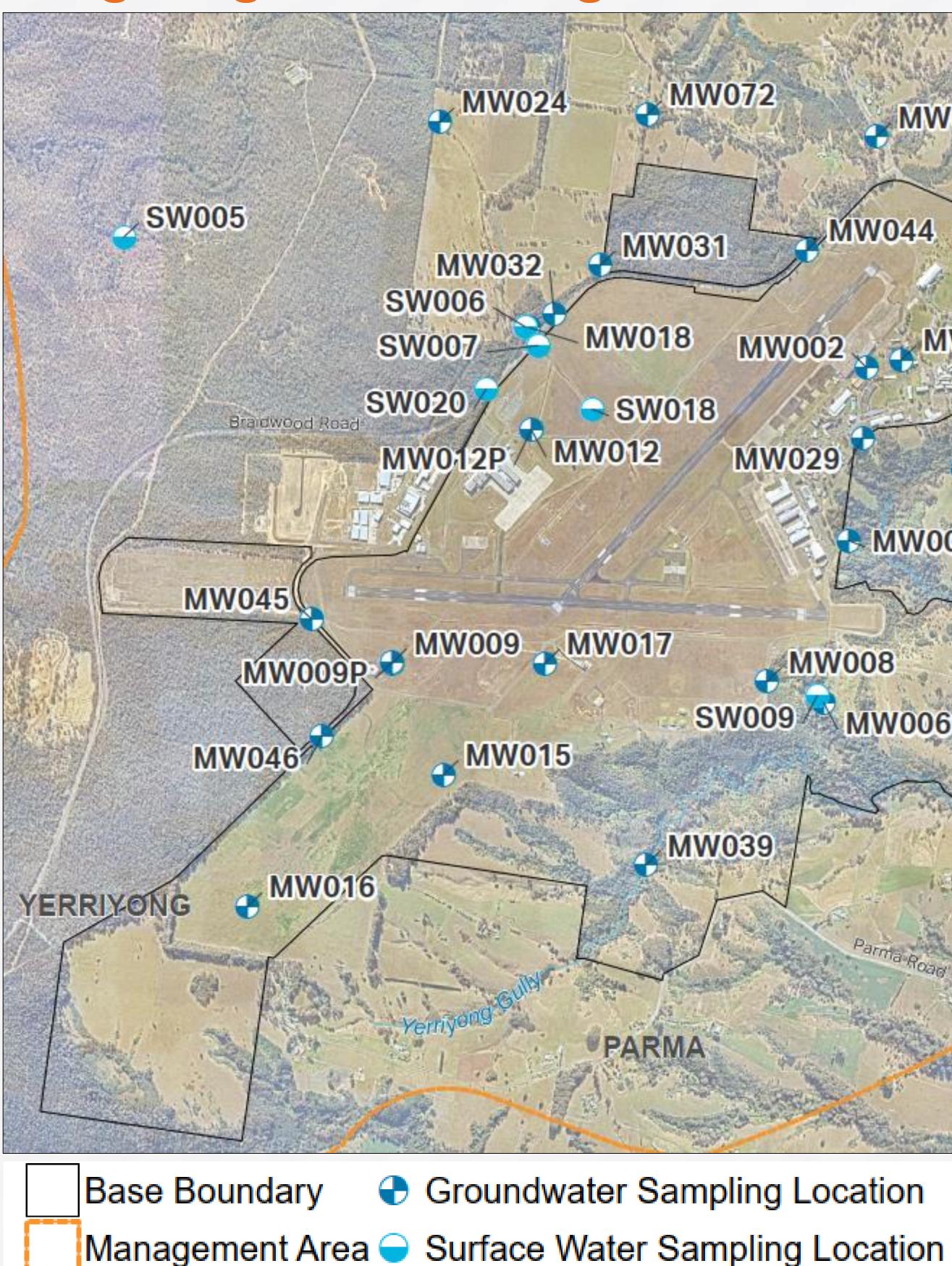
The site will be reshaped to create a gentle slope that prevents

An engineered cap will be placed over and beyond the source area to prevent water from getting into the contaminated soil and



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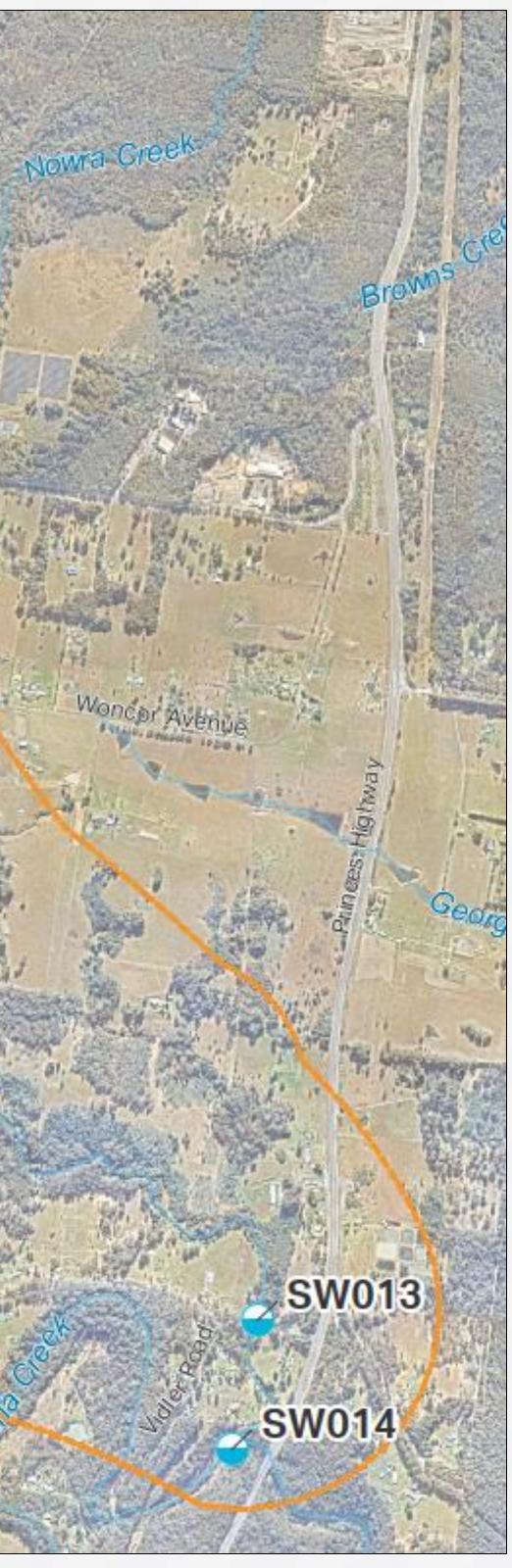
Ongoing Monitoring Plan – Monitoring locations



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2	V073	Per la	tea free Lane		
MW044	MW037	MWO	04	BIURDIG	
IW002					
W029 MW0	• MW003 05				
MW008 09 MW006	SW008	IW038			
9	- Jsm	/012		MW026	
Parma Road					
	Sannys Lane				and the second sec
			(Landard and and and and and and and and and an	、高麗!	Se. 7







2022 Ongoing Monitoring **Interpretive Report**

Number of samples collected between 2019 and 2022



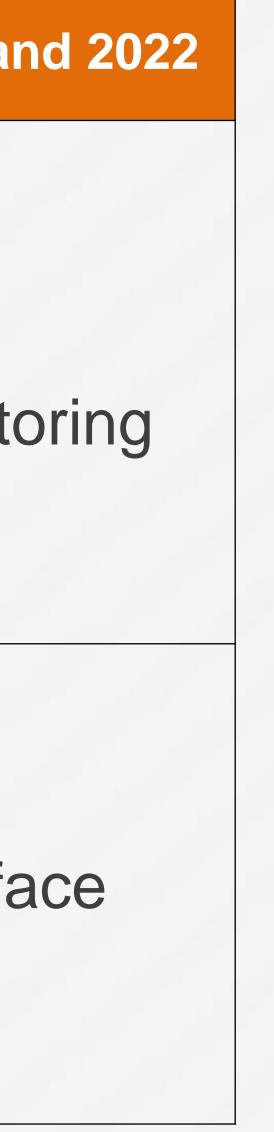
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105 samples collected from groundwater monitoring wells.

Surface water

136 samples collected from surface water.

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Key findings:

- No change in risk profile.
- Highest PFAS levels were found on-base, close to identified source areas with four locations reporting new historical maximums.
- New maximum concentrations of PFAS in groundwater likely due to the movement of PFAS as a result of above average rainfall during the monitoring period.
- The findings suggest no change in any potential exposure risks for the community.

RESPECT



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Next steps

Commence remediation works at the Former Fire Training Area.

Continue monitoring.

Continue keeping the community updated.

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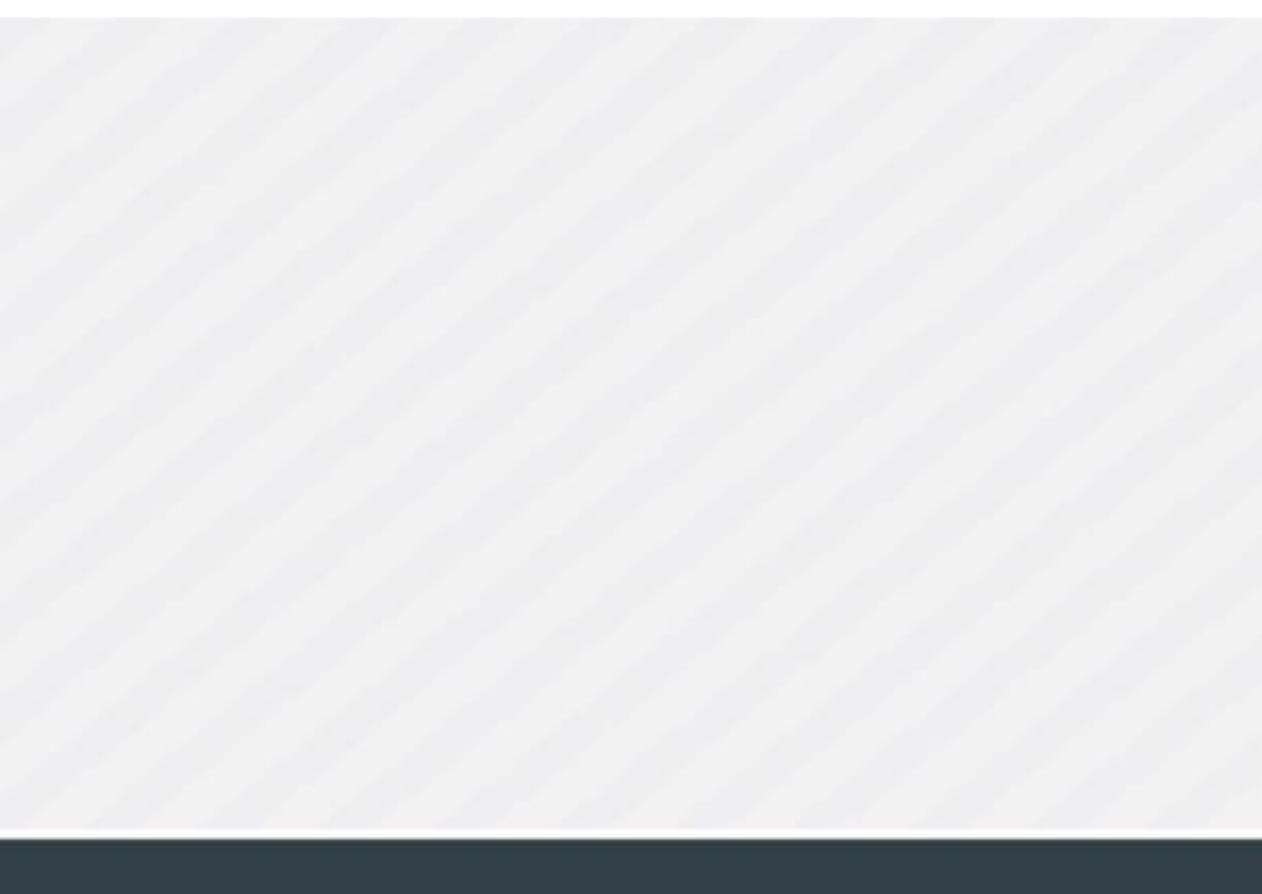
Thank you











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- 1800 333 362
- pfas.enquiry@defence.gov.au
- Website: https://www.defence.gov.au/about/locations- property/pfas/pfas-management-sites/hmas-albatross

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