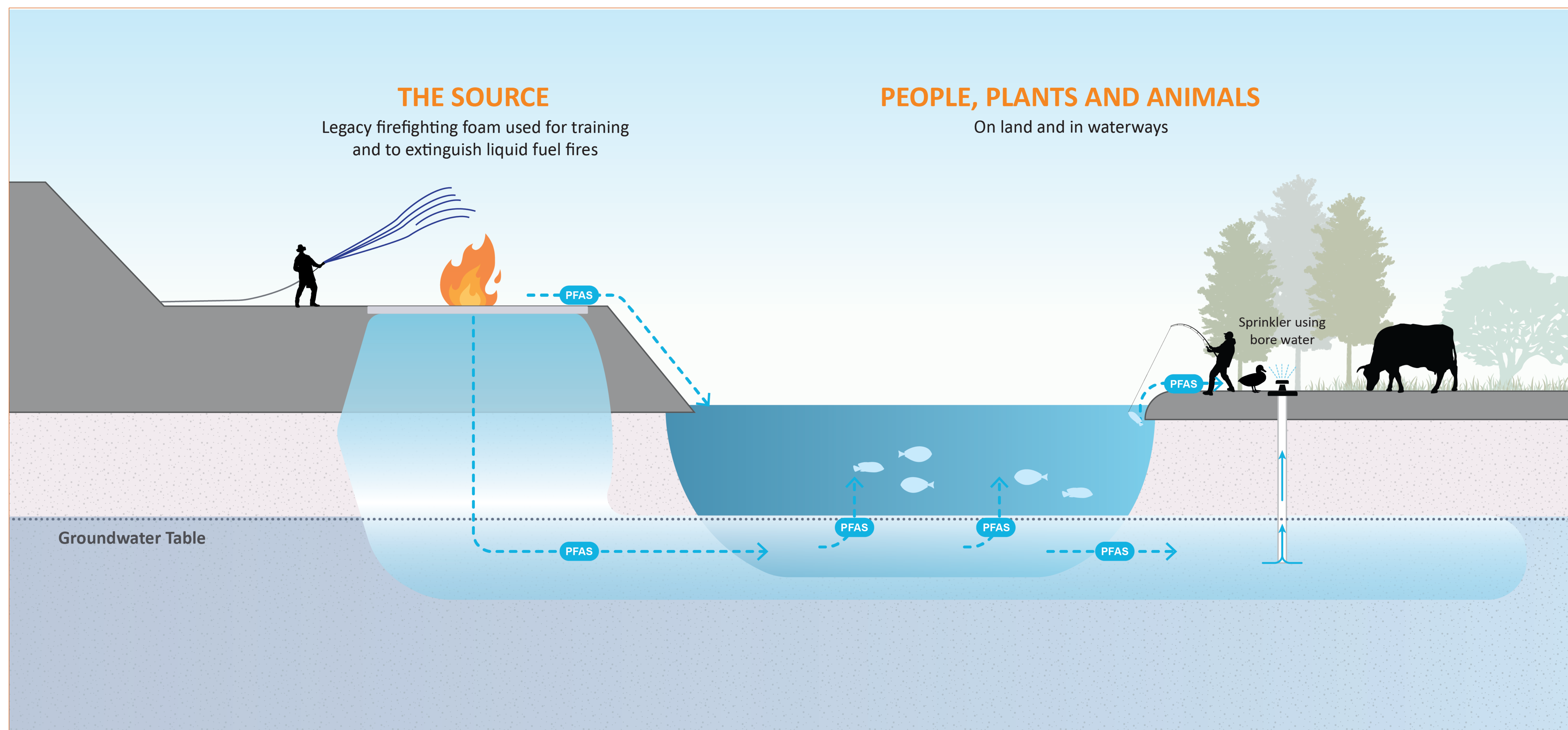




How PFAS moves in the environment



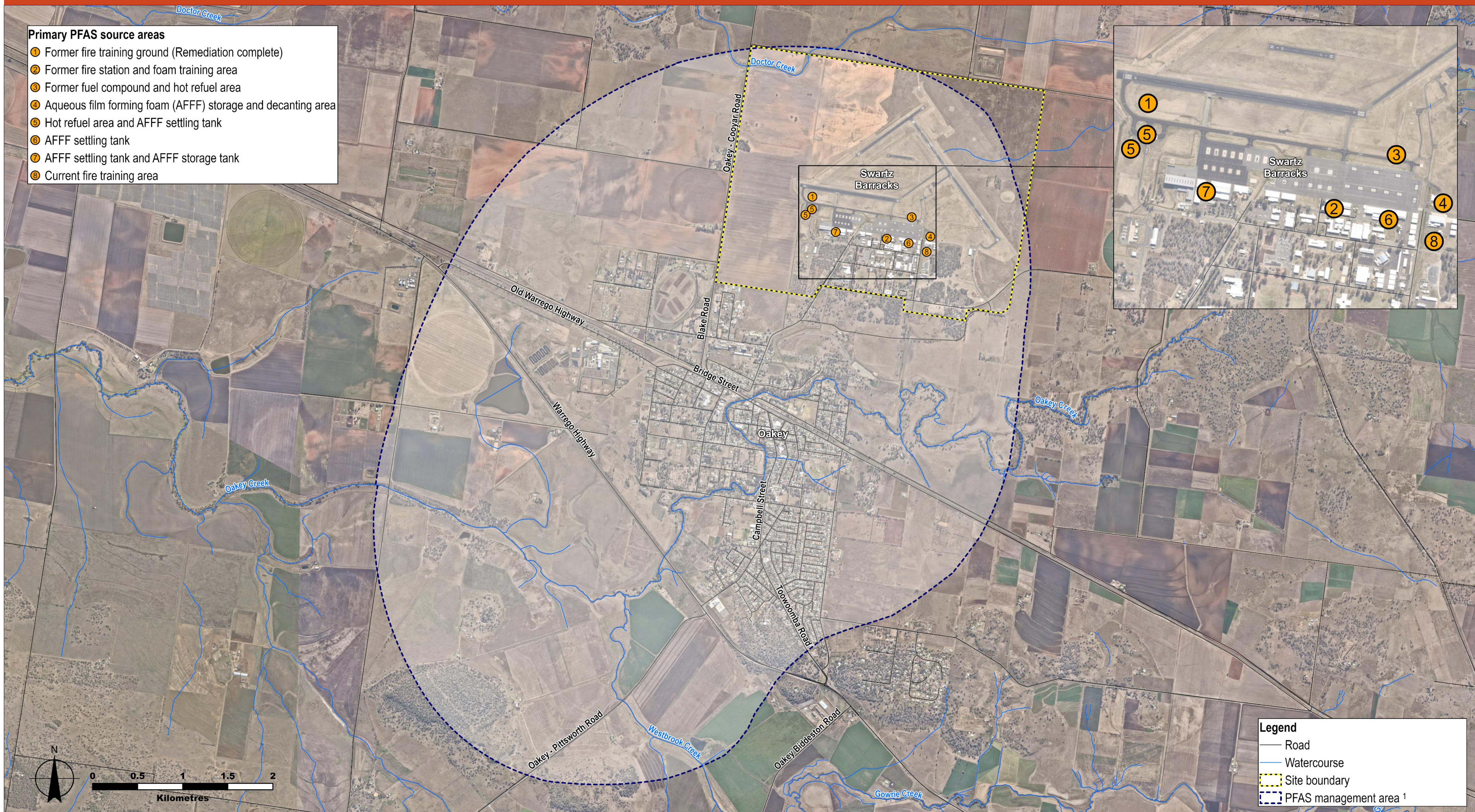
Generic representation



Swartz Barracks – Management Area and source areas

Primary PFAS source areas

- ① Former fire training ground (Remediation complete)
- ② Former fire station and foam training area
- ③ Former fuel compound and hot refuel area
- ④ Aqueous film forming foam (AFFF) storage and decanting area
- ⑤ Hot refuel area and AFFF settling tank
- ⑥ AFFF settling tank
- ⑦ AFFF settling tank and AFFF storage tank
- ⑧ Current fire training area



¹The term 'PFAS management area' refers to the combined area of Swartz Barracks and the Oakley Management Area as defined in the PFAS management area plan.



Program timeline

	2010 – 2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
Investigations and Studies	Early site and off-site assessments and investigations	Detailed updates the environmental site assessment, human health and ecological risk assessment	PFAS Management Area Plan published				PFAS Migration Assessment completed				
Remediation	Water Treatment Plants commissioned for groundwater from the former fire station and the current fire training facility				Remediation activities commenced	Groundwater treatment plant reconfiguration			Remediation of four source areas		
					Monitoring to measure changes resulting from remediation (ongoing)						
				Remediation action plans for source areas prepared (ongoing)							
PFAS related infrastructure Upgrades	Sewage treatment plant, storm water and wastewater infrastructure upgrades										
Ongoing Monitoring Program			Ongoing Monitoring Program commences 2019 (ongoing)								
Plans and Management Documents									Commence update of the PFAS Management Area Plan and Ongoing Monitoring Plan		
Water Assistance	Water Assistance Program commenced 2017							Water Assistance Program extended to 30 November 2026			



Soil remediation at Swartz Barracks



The aim of remediation is to minimise PFAS leaving the base and travelling into the community. This is done by removing PFAS from source areas.



Remediation works have already been completed at the former fire training area.



Remediation action plans are ready for:

- former fire station and foam training area
- former fuel compound and hot refuel area
- AFFF storage and decanting area
- hot refuel area and AFFF settling tank area



Defence has appointed a remediation contractor and remediation will start in 2025 and continue through to 2026.





Planned soil and concrete remediation activities

PFAS source area	Remediation action
Former fire training ground (1)	Completed in 2021 – soil stabilisation
Former fire station and foam training area (2)	Commencing 2025 - capping
Former fuel compound and hot refuel area (3)	Commencing 2025 - off-base disposal of concrete bunds
Aqueous film forming foam (AFFF) storage and decanting area (4)	Commencing 2025 - soil stabilisation
Hot refuel area and AFFF settling tank (5)	Commencing 2025 - soil stabilisation
AFFF settling tank (6)	Requires further investigation due to structural issues.
AFFF settling tank and AFFF storage tank (7)	No samples exceeded the nominated PFAS criteria during the soil characterisation works—no remediation recommended.
Current fire training area (8)	Reported the lowest potential PFAS discharge of all source areas—no remediation recommended.



Soil stabilisation underway on the Defence Estate

Numbers presented in table correlate to those presented in poster 2 ‘Swartz Barracks - Management Area and source areas’



Swartz Barracks – April 2024 monitoring



Groundwater

Groundwater is water beneath the earth's surface. It often supplies bores, wells or springs.

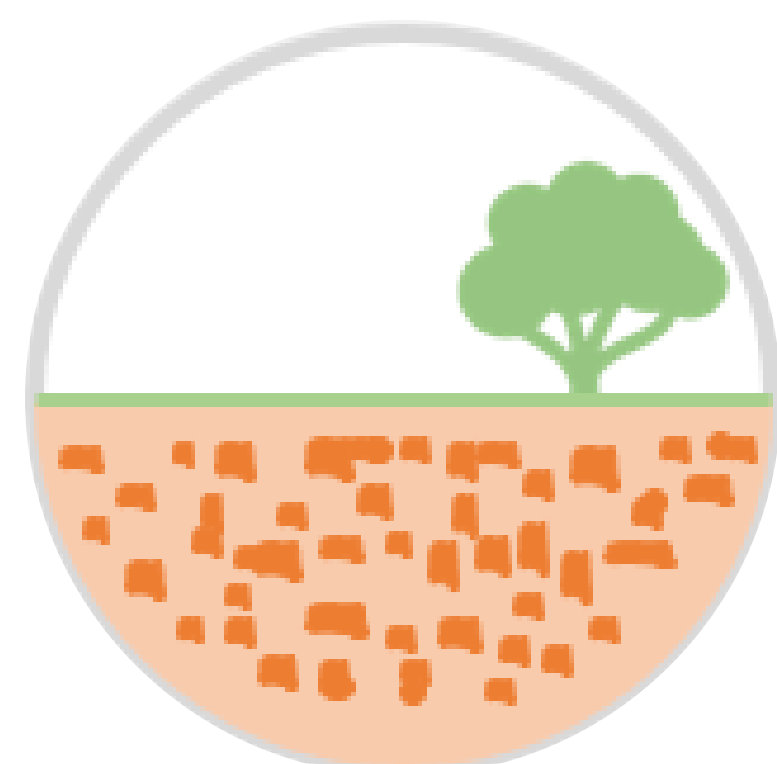
89 samples collected on and off base, including residential bores.



Surface water

Surface water is water that collects on the ground and can be in the form of creeks, rivers, lakes, wetlands, oceans and more.

19 samples collected from Oakey Creek, Westbrook Creek and Doctor Creek.



Sediment

Sediment is made of broken down remains of rocks, minerals, plants, and animals that is moved and deposited to a new location.

22 samples collected from Oakey Creek, Westbrook Creek and Doctor Creek.