

Eastern Recharge Groundwater Source

Resource Information
Update

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Hydrogeologist

18 April 2024

Acknowledgement of Country

I acknowledge the Traditional Custodians of the land and waterways on which we meet today, being Kamilaroi Land, and the Aboriginal and Torres Strait Islander colleagues participating in this meeting.

We are joining from the lands of the Bundjalung and Wiradjuri people.

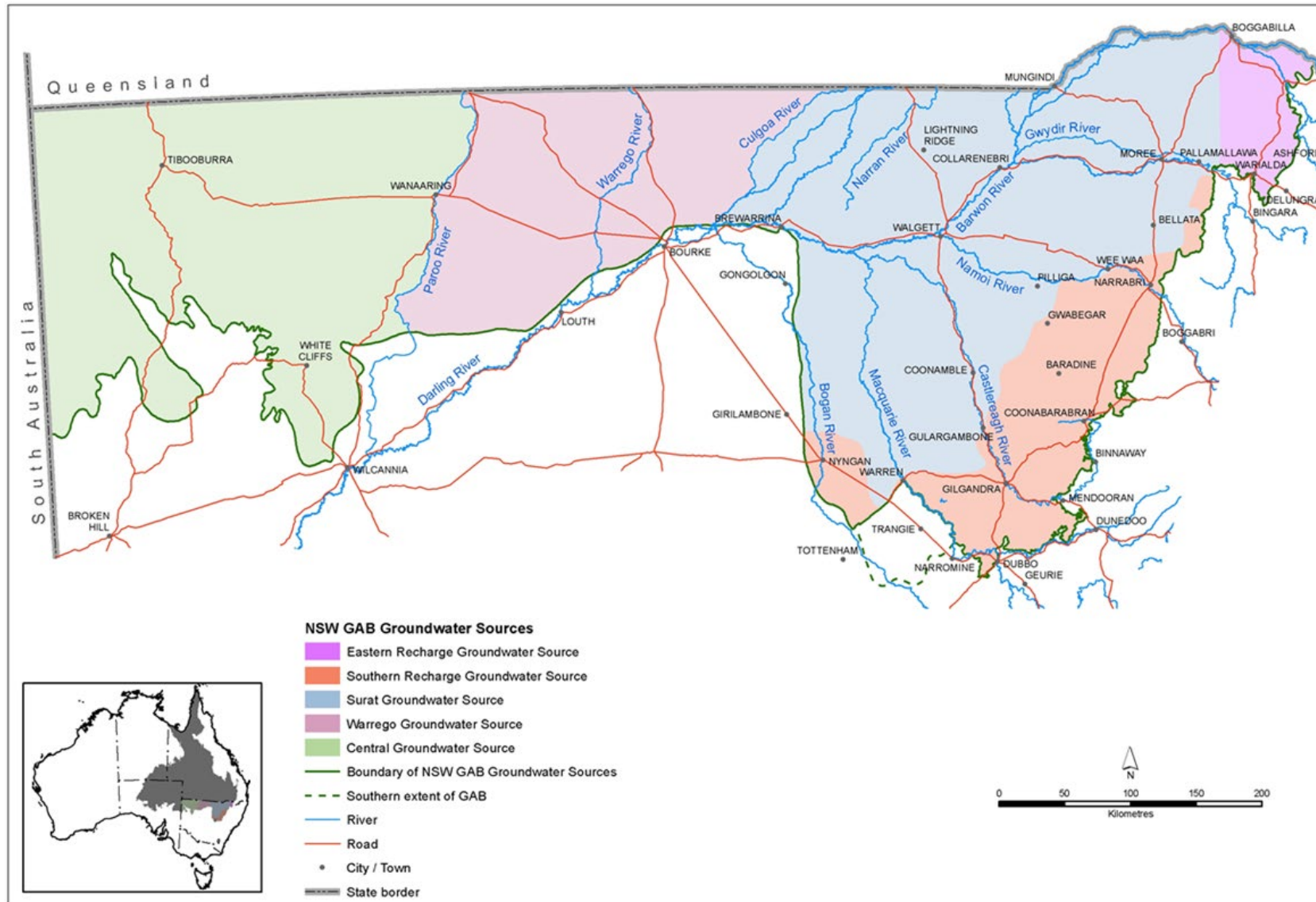
I pay my respects to Elders past, present and emerging.

I recognise and celebrate the diversity of Aboriginal peoples and their ongoing cultures and connections to the lands and waters of NSW.



Nikita
Ridgeway

NSW Great Artesian Basin Groundwater Sources



Groundwater annual report

The report is updated annually and available in the department website.

<https://water.dpie.nsw.gov.au/science-data-and-modelling/groundwater-management-and-science/groundwater-annual-reports>

The report summarises:

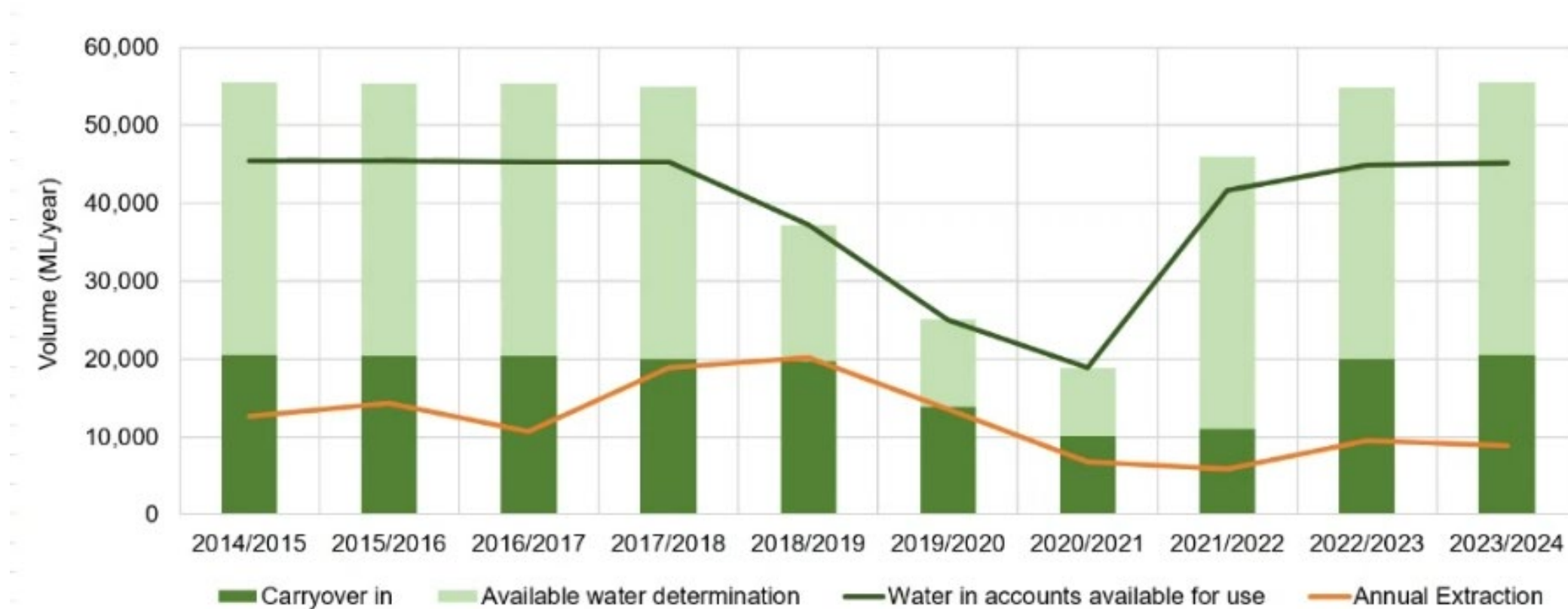
- Water accounts
- Volume pumped
- Compliance with long-term extraction limits
- Trade statistics
- Groundwater levels

Eastern Recharge Groundwater Source



Area	6,131 Square Kilometres
Long-term average annual extraction limit	16,200 ML
Water requirement for basic landholder rights	3,200 ML
Number of bores used for basic landholder rights	~ 800
Number of access licences	84
Access licence entitlements	35,006 Unit Shares
Number of bores linked to access licences	120

Account water availability and usage



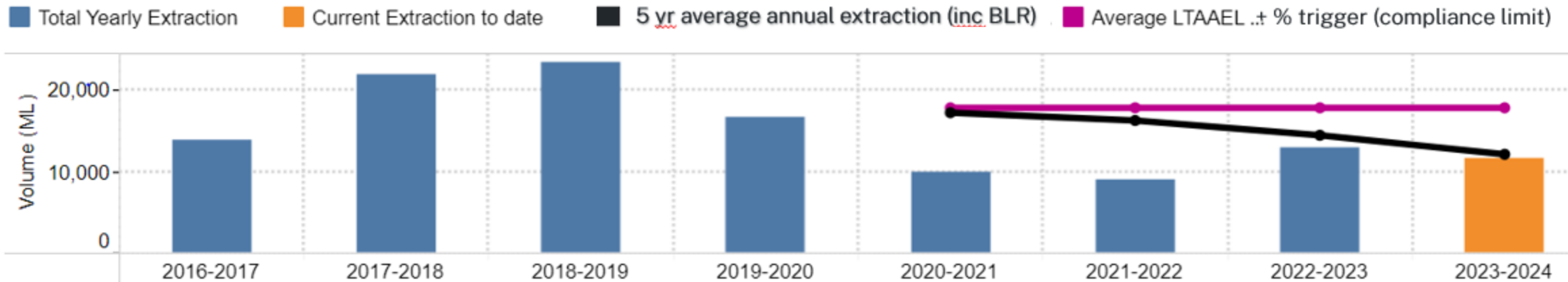
Tracking Groundwater Extraction Against Extraction Limits

As at 2nd April 2024

Balance Available	Minimum extraction for LTADEL exceedance (incl BLR)	Volume remaining before exceedance
45,191 ML	40,347 ML	28,649 ML

LTADEL - Long term average annual extraction limit

BLR – Basic landholder rights



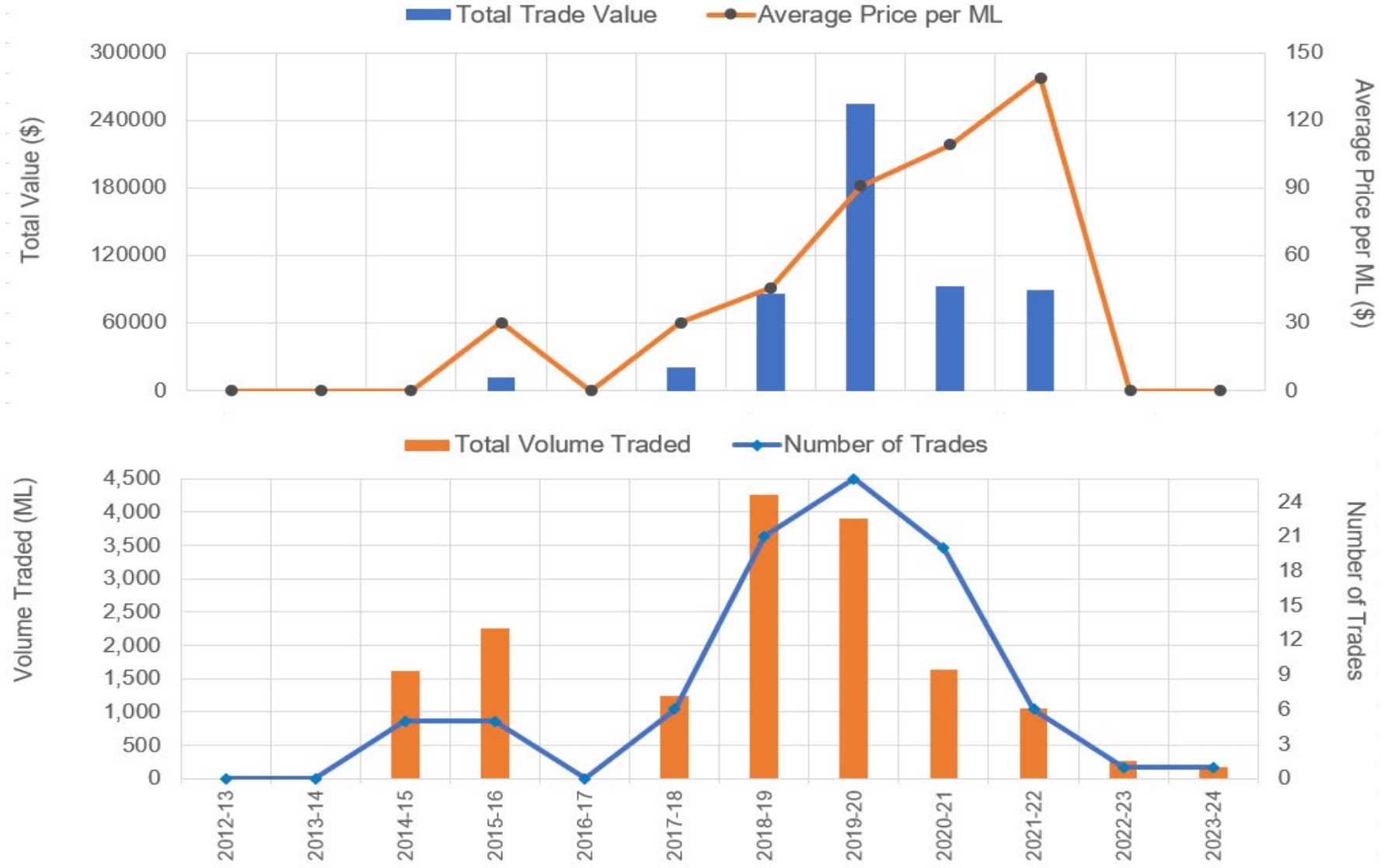
Summary of Permanent and Temporary Dealings - Trade

71 Q – Assignment of shares (Permanent trade) – None in the last 5 years

71 T – Assignment of water allocation (Temporary trade)

Water year	Temporary Trade – 71 T Volume (ML)	Temporary Trade – 71T Average price (\$/ML)
2018/2019	4,258	46
2019/2020	3,910	98
2020/2021	1,639	122
2021/2022	1,049	139
2022/2023	265	1 Trade - \$0
2023/2024	182 (at 5/4/24)	1 Trade - \$0

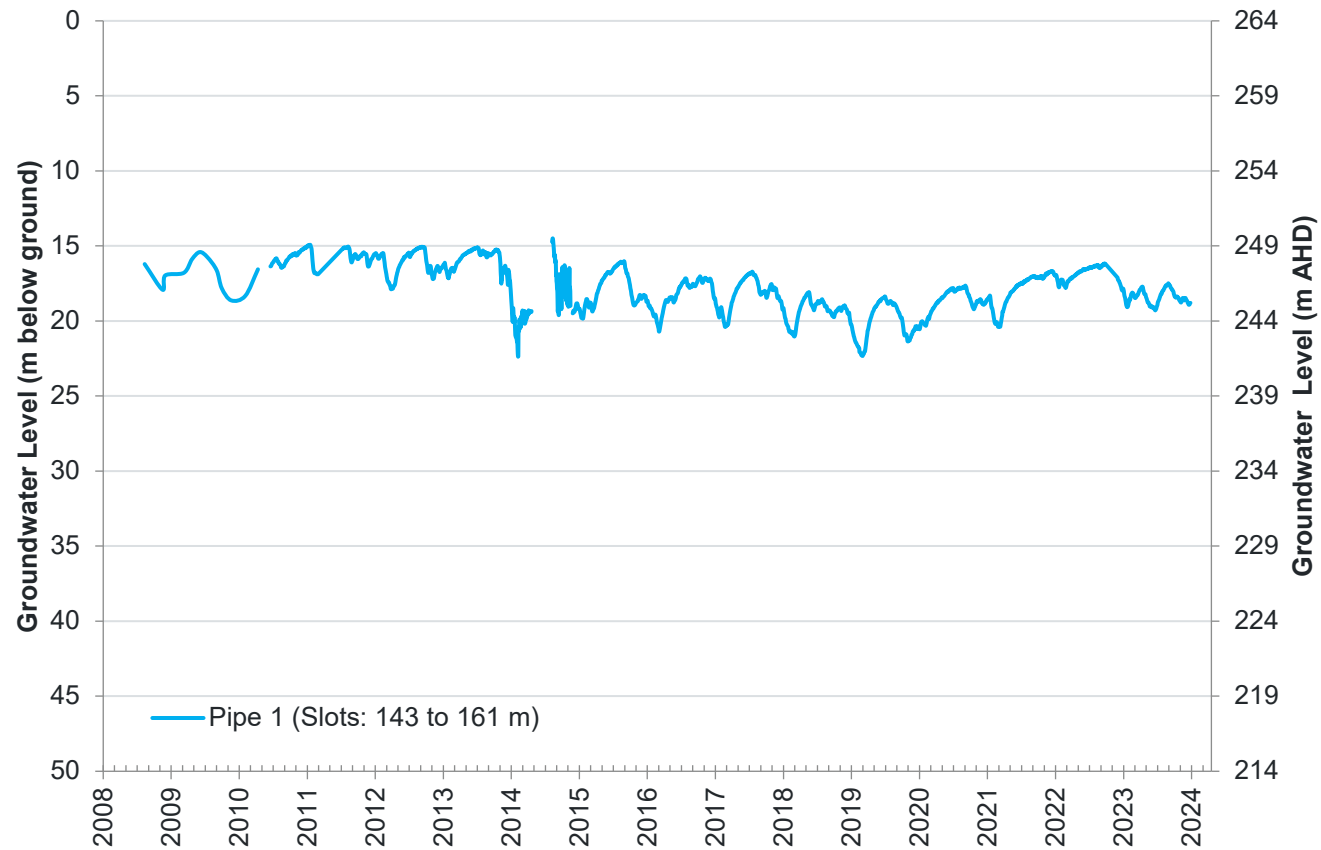
Temporary trade statistics



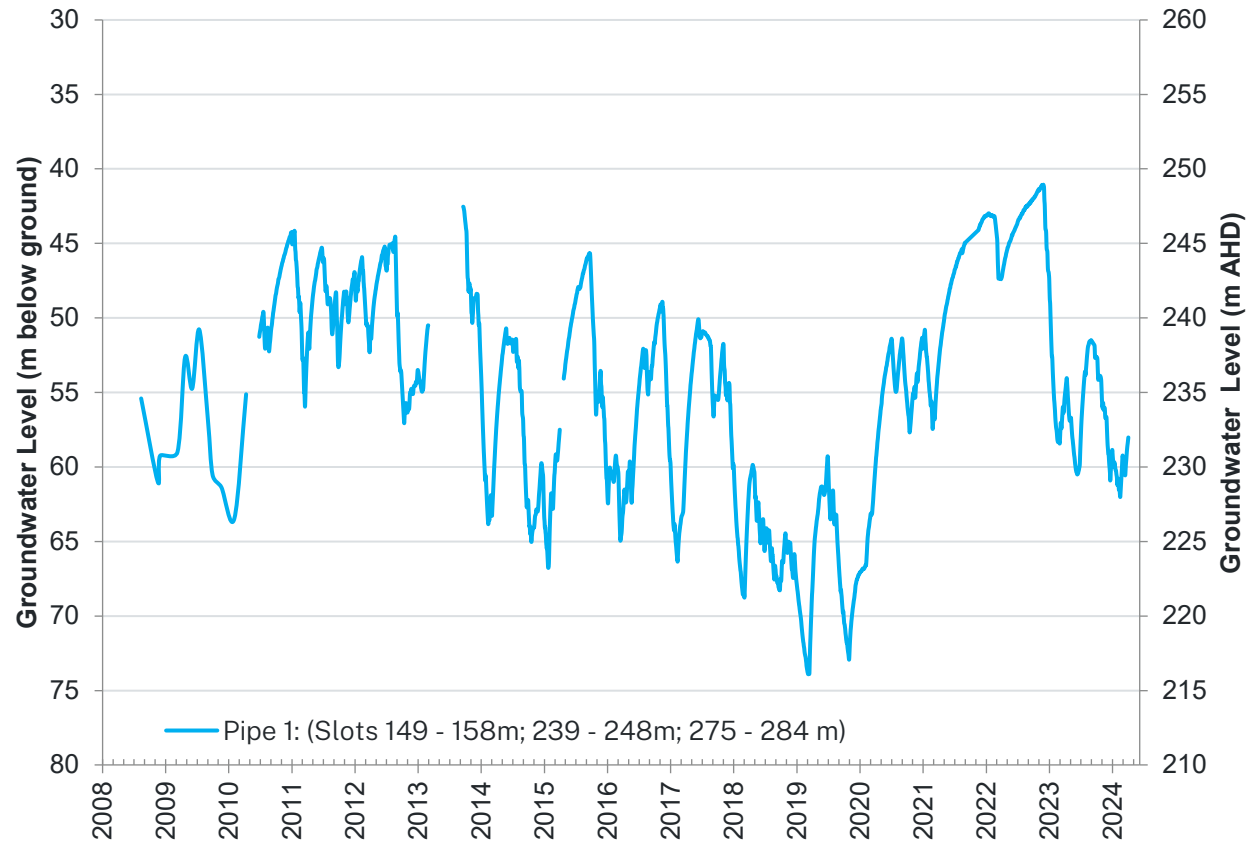
Location of monitoring bores



Monitoring bore GW093552



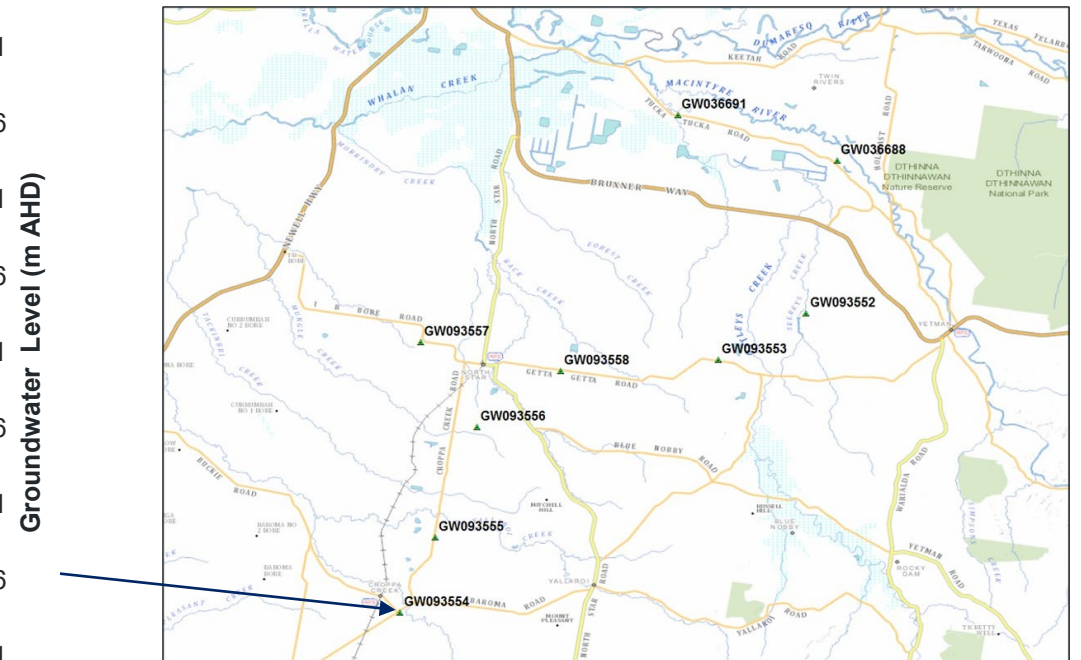
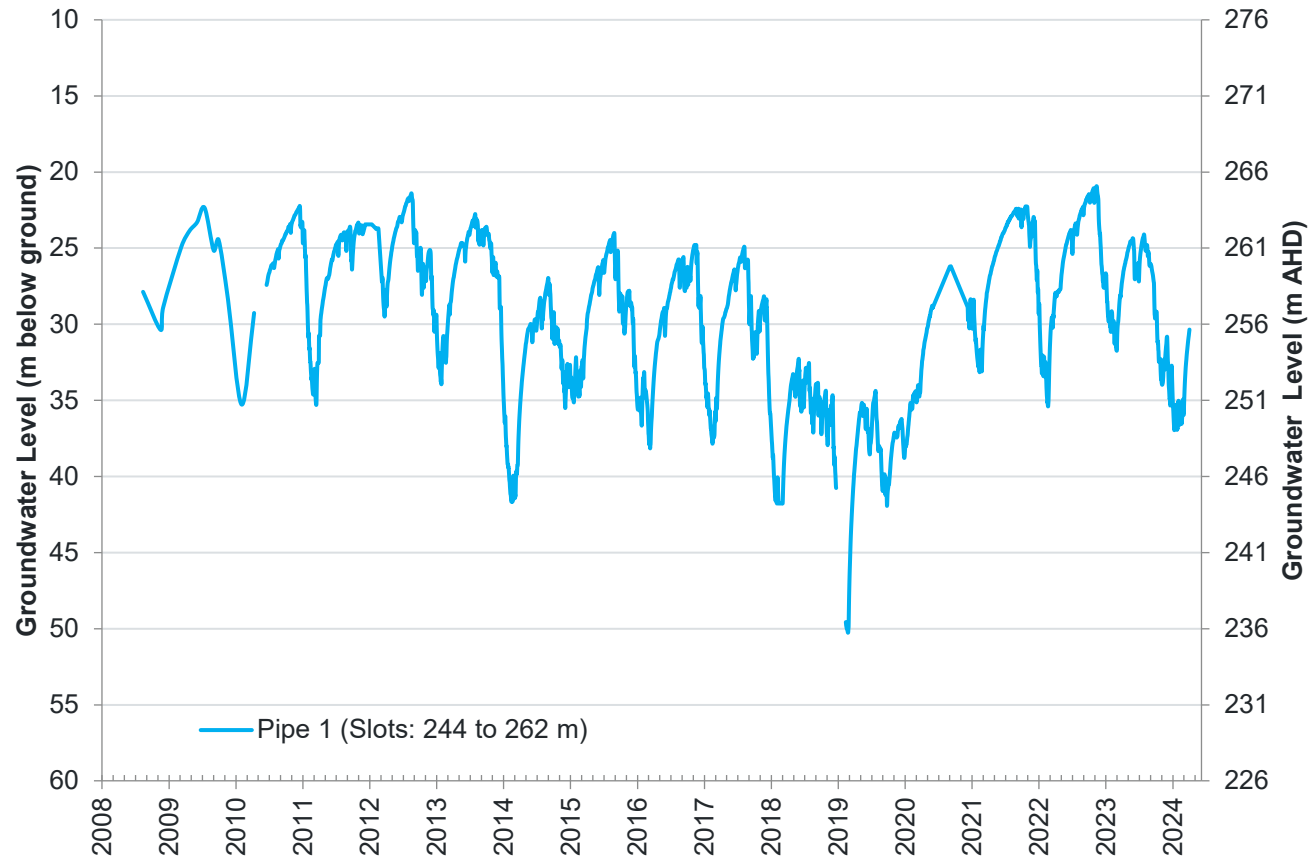
Monitoring bore GW093553



Groundwater level (Telemetered data)

<https://realtimedata.waternsw.com.au/water.stm>

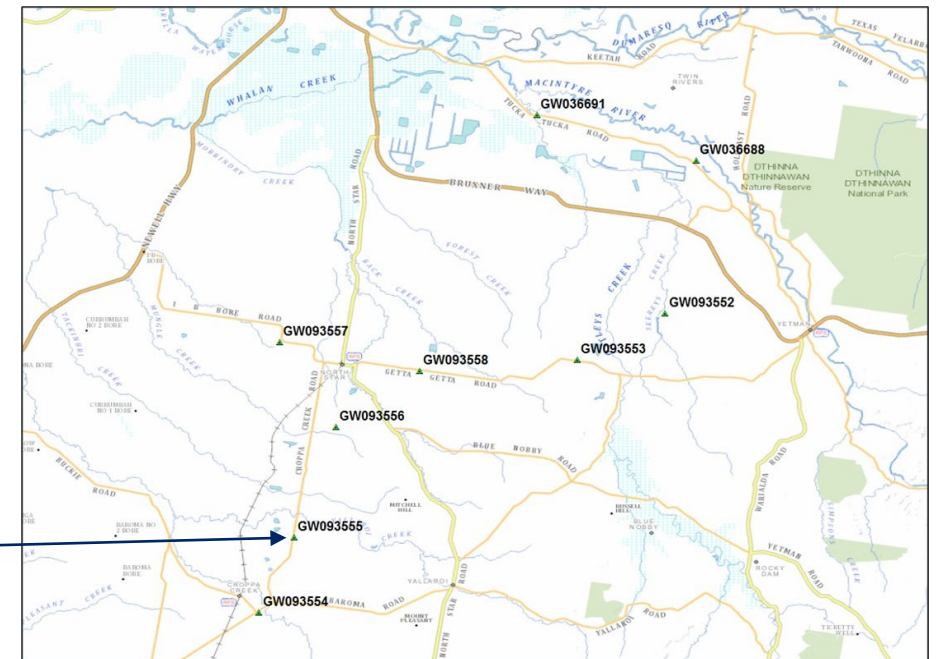
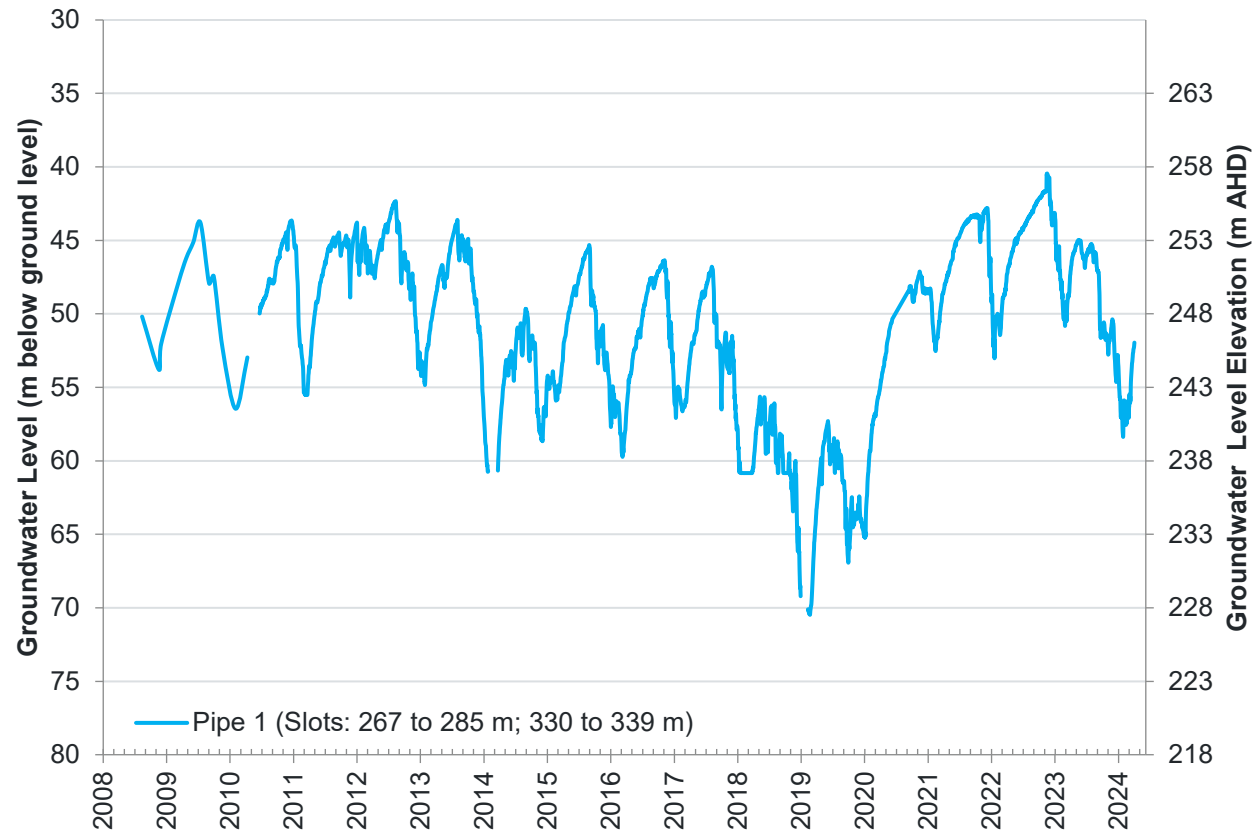
Monitoring bore GW093554



Groundwater level (Telemetered data)

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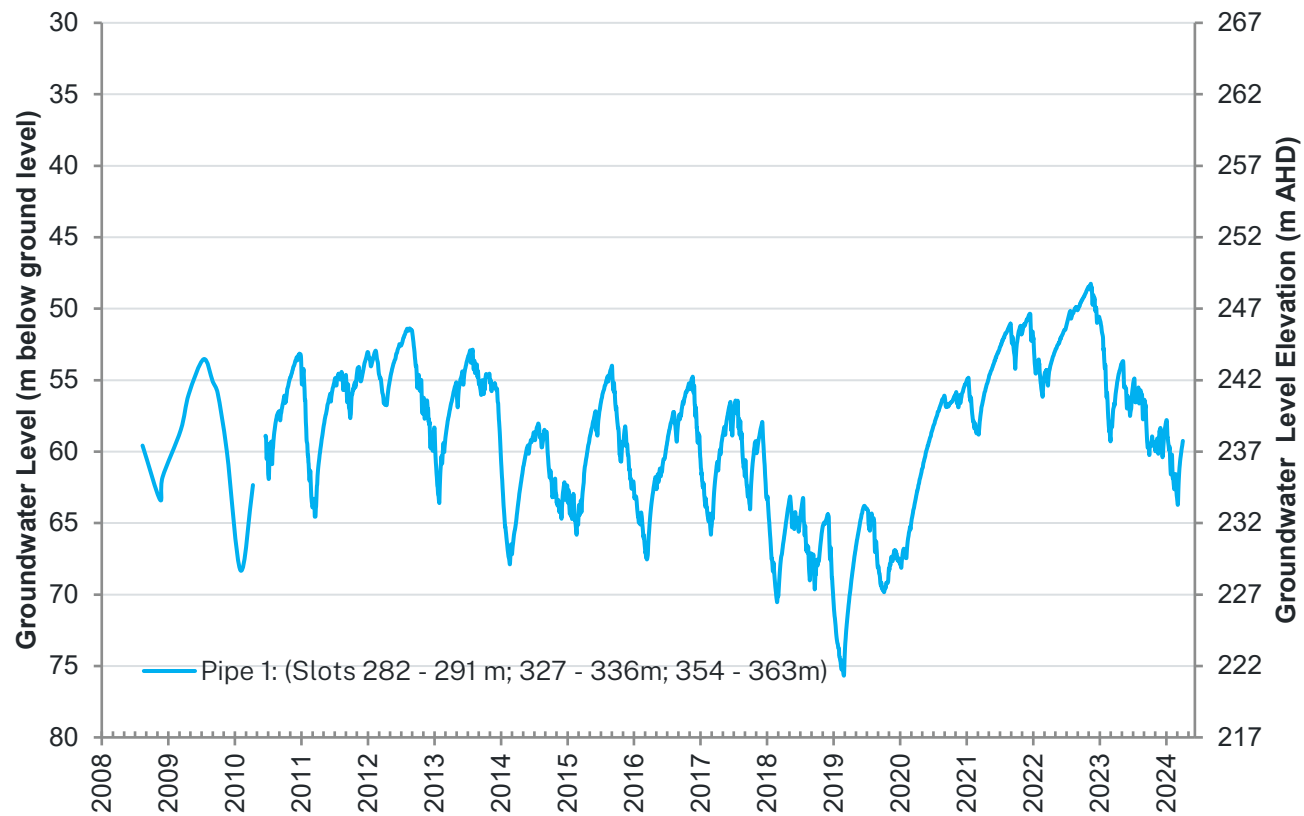
Monitoring bore GW093555



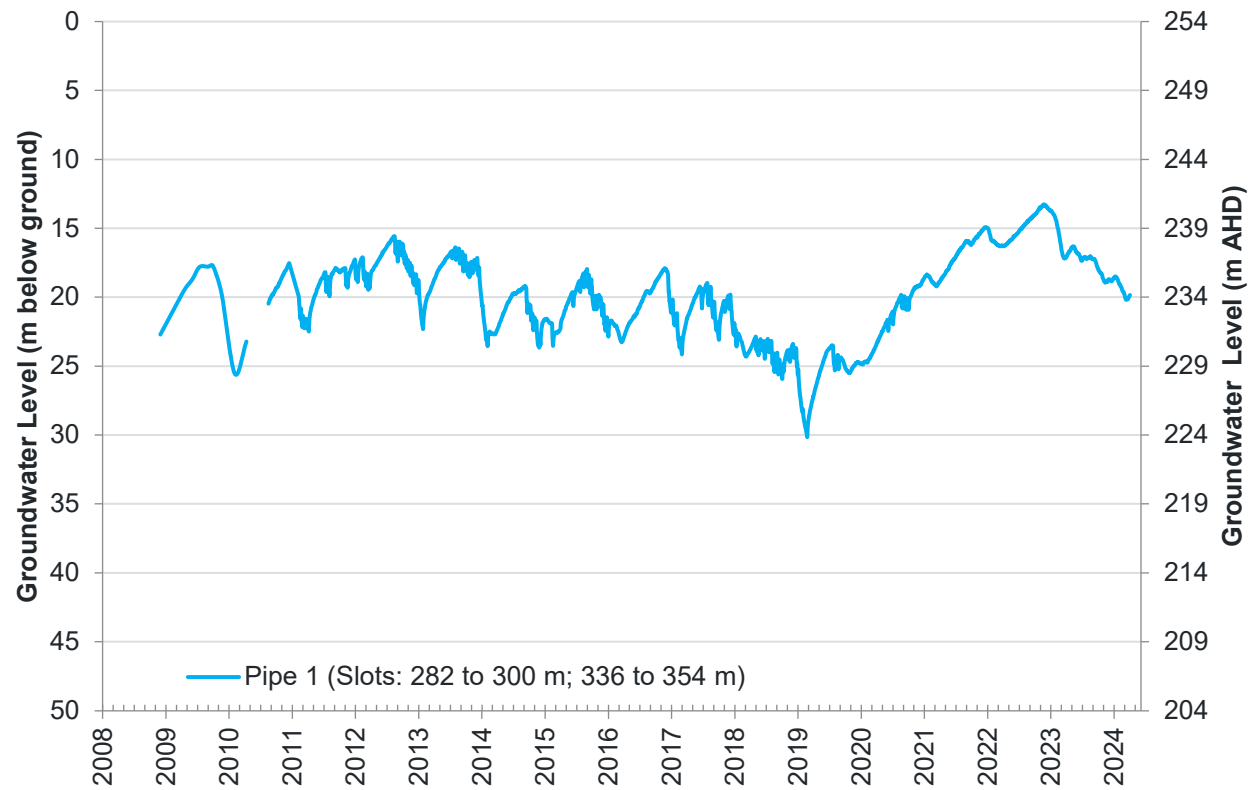
Groundwater level (Telemetered data)

<https://realtimedata.waternsw.com.au/water.stm>

Monitoring bore GW093556



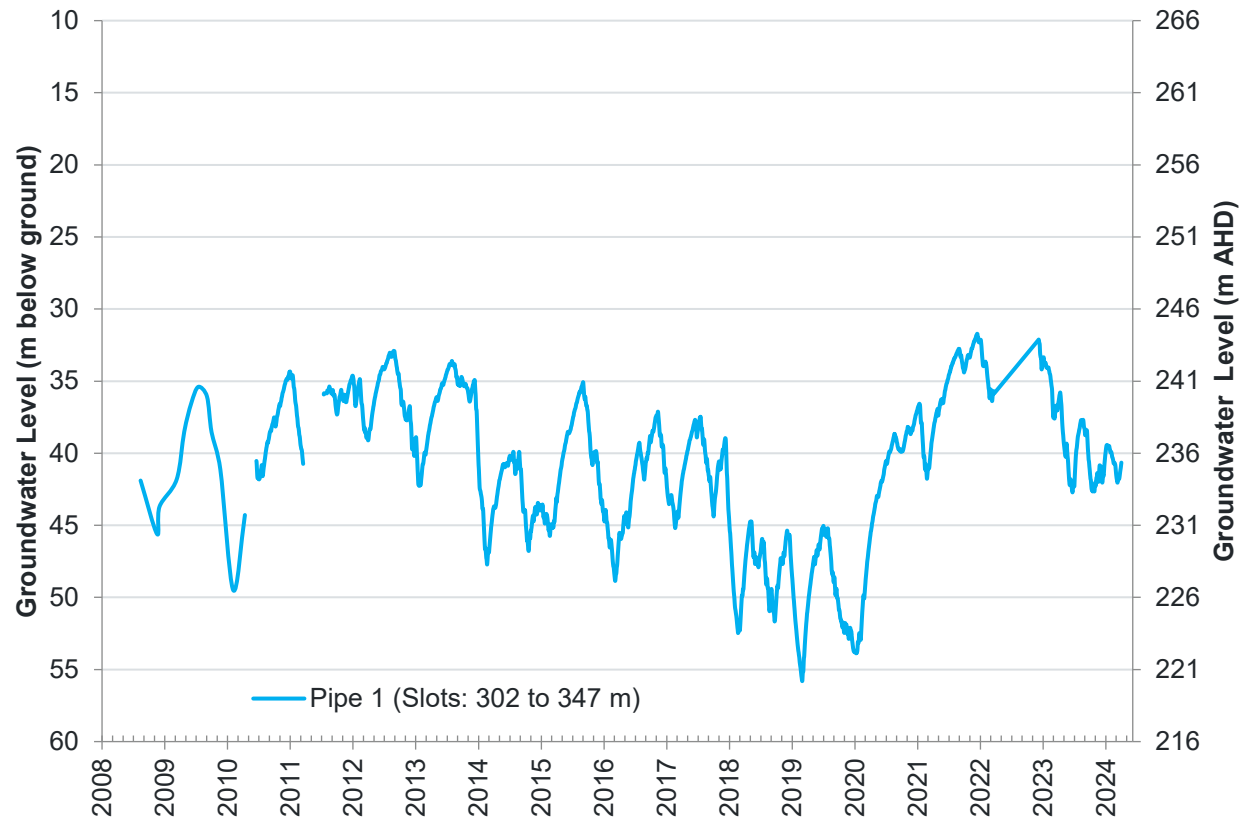
Monitoring bore GW093557



Groundwater level (Telemetered data)

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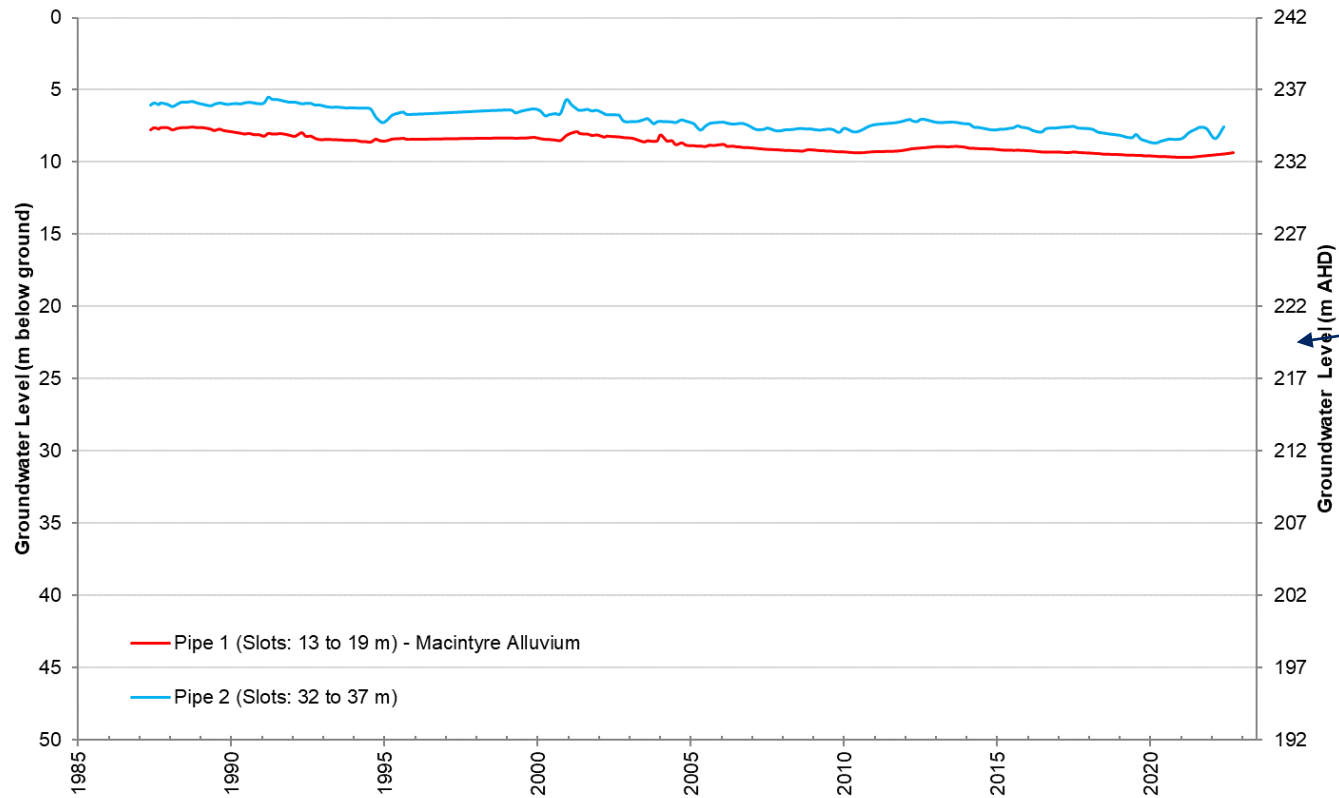
Monitoring bore GW093558



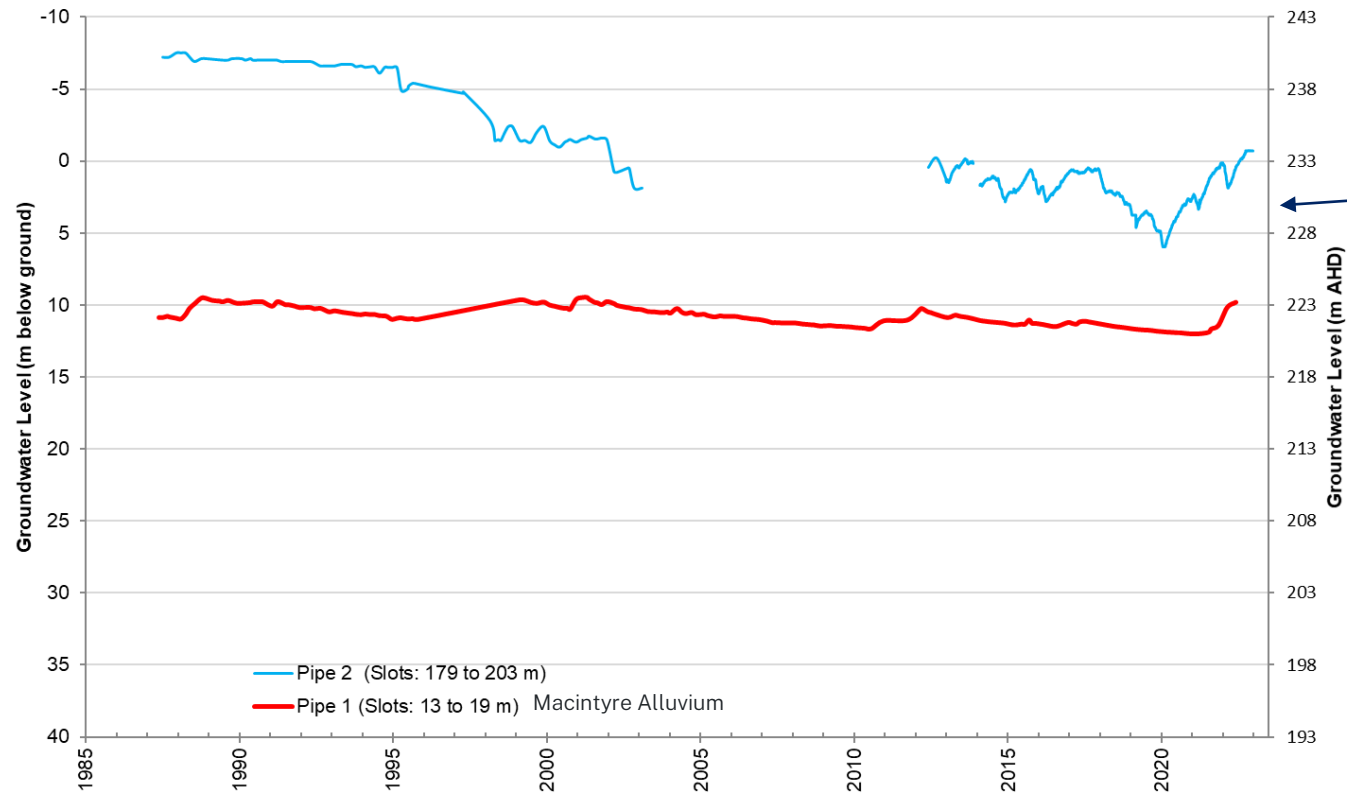
Groundwater level (Telemetered data)

<https://realtimedata.waternsw.com.au/water.stm>

Monitoring bore GW036688



Monitoring bore GW036691



Groundwater level (Telemetered data)

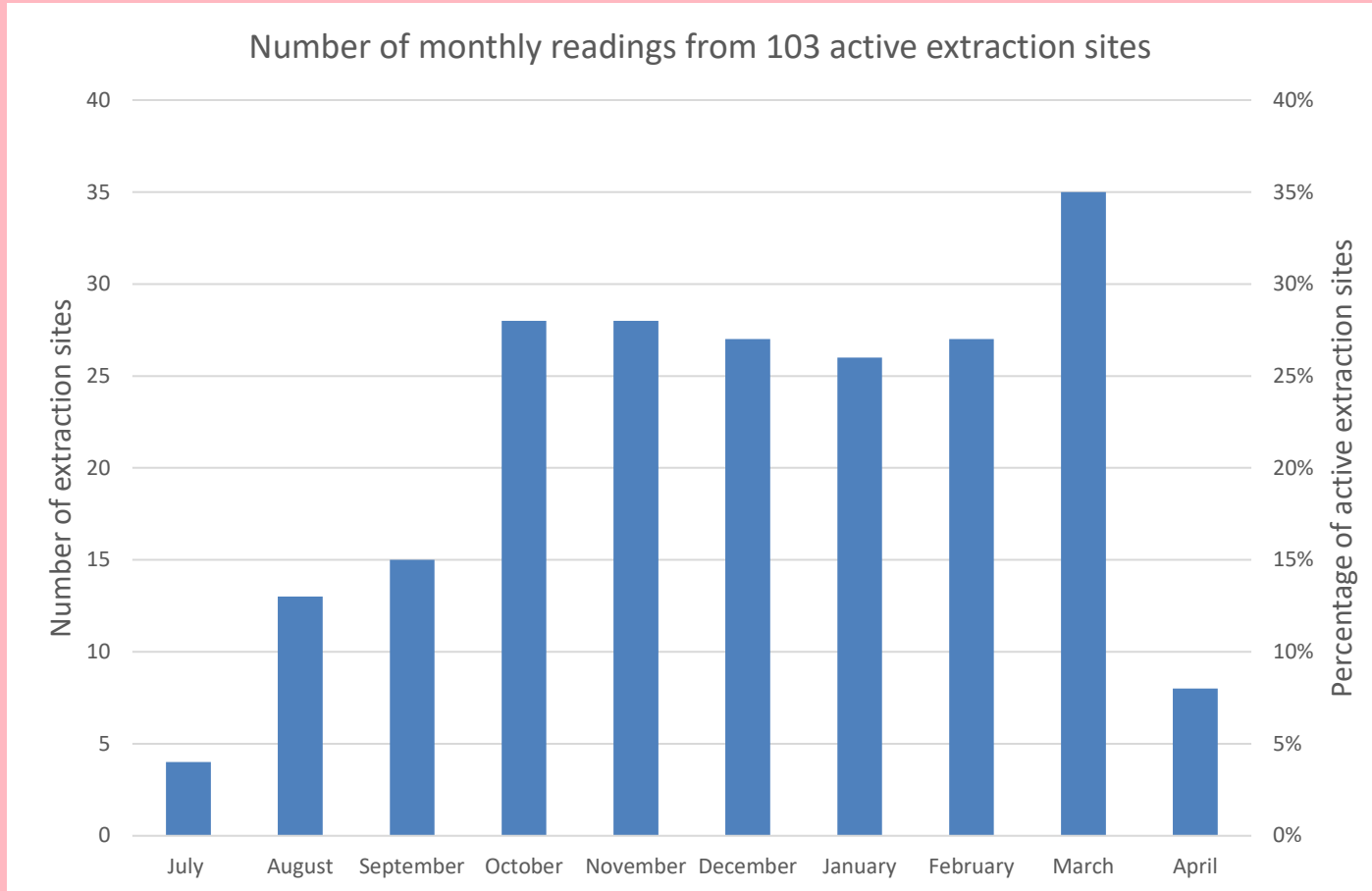
<https://realtimedata.waternsw.com.au/water.stm>

Importance of updating your usage data



- It is a requirement under the Non-Urban Water Metering Policy for groundwater users to supply usage information to WaterNSW every month.
- This helps the department to determine the appropriate available water determination (AWD) on the 1st of July each year.
- If the usage information is not available by May, the department may determine a conservative AWD for the 1st of July based on modelling of historical usage of individual licences and water allocation trade.
- Up to date usage information assists with management of the resource, including assessment of dealing applications.
- What does this mean to you?

Submitted monthly readings for 2023/24 water year



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