

24 November 2025

Element
L18 191 St Georges Terrace
Perth WA 6000
ATTENTION: Daniel Lewis

Dear Daniel,

**LOTS 159, 168, 167, 203-207 (No. 365) MALLOKUP RD, STIRLING ESTATE
GROUNDWATER MONITORING REPORT**

Please find below Hyd2o's report detailing results of the 2024-2025 groundwater monitoring program undertaken across the winters of 2024 and 2025 at Lots 159, 168, 167, and 203-207 (No. 365), Mallokup Rd, Capel (herein referred to as *the site*).

The program involved the installation and monitoring of groundwater levels at five site bores and two external Department of Water and Environmental Regulation (DWER) bores. Monitoring was undertaken over two winter periods (2024 and 2025).

This report has been prepared suitable for agency submission to summarise the data collected and provide groundwater contours across the site for use in establishing a suitable extractive industries floor level.

1. MONITORING DATA AND MGL/AAMGL CALCULATION

Hyd2o managed the installation of bores by Edrill at the site on 5 April 2024. The total of five groundwater monitoring bores were installed using a drill rig and constructed suitable for water level and quality monitoring. All bores were surveyed to Australian Height Datum. Bore logs are presented in Attachment A, with a plan showing the site and location of all relevant groundwater monitoring bores (including DWER bores) provided as Figure 1.

Groundwater level monitoring was undertaken monthly on 10 occasions across both winters. Measurements were collected in April, August, September, October and November 2024, and in May, August, September, October and November 2025.

2. MONITORING RESULTS

Groundwater levels recorded at all sites and DWER bores are included in Attachment B.

Peak groundwater levels during the monitoring period occurred in October 2025 at bore MB5 (1.26 mAHD). Three bores—MB2, MB3 and MB4—recorded their highest levels in September 2025 at 0.70 mAHD, 0.97 mAHD and 1.00 mAHD respectively. Bore MB1 recorded its maximum level in November 2025 at 0.46 mAHD.

Bore MB1 recorded the lowest groundwater level among all monitoring bores during both the 2024 and 2025 monitoring periods, despite being located furthest from the Capel River and the Stirling Wetlands compared to the other site bores. This result across consecutive monitoring years indicates that it is unlikely to be an isolated or anomalous event. Reasons for this are unclear however it is possible this may be due to localised drawdown associated

with groundwater uptake by the extensive Tuart (*Eucalyptus gomphocephala*) forest located along the southern and western boundaries of the site.

The DWER bores groundwater levels have been recorded since 1978 (BY24A) and 1984 (BN1S), with the DWER bores long term historical hydrographs included as Attachment C. The average annual maximum groundwater level (AAMGL) for these DWER bores were calculated across 2000 – 2025 for this assessment, considered more representative of recent levels and climate.

DWER bores BY24A and BN1S had their peak levels during the 2024-2025 monitoring period both in August 2025 with the recorded levels of 2.00 mAHD and 1.55 mAHD respectively being the highest levels of the last 25 years.

Table 1 presents the AAMGL values and shows that peak groundwater levels in winter 2024 and 2025 were above the long-term average.

A correction factor was applied to the site bores based on the difference between DWER bore readings and their calculated AAMGL (2000–2025). The corrected site AAMGL values are presented in Table 2 and contoured in Figure 1.

A depth from natural surface to AAMGL map is contained as Figure 2.

Table 1: DWER Monitoring Bore AAMGL

Bore	Period of Record	Period for AAMGL Calculation	AAMGL (mAHD)	2000-2025 MGL (mAHD)	Max Level 2025 (mAHD)	Difference to AAMGL (m)
BN1S	1984 – 2025	2000 – 2025	0.85	1.55	1.55 (Aug)	-0.70
BY24A	1978 – 2025	2000 – 2025	1.63	2.00	2.00 (Aug)	-0.37
Correction Factor to Apply to Site Bores for AAMGL (m)						-0.54

Table 2: Site AAMGL

Bore	Max Level 2025 (mAHD)	Correction Factor (m)	AAMGL (mAHD)
MB1	0.46 (Nov)		-0.08
MB2	0.70 (Sept)		0.16
MB3	0.97 (Sept)	-0.54	0.43
MB4	1.00 (Sept)		0.46
MB5	1.26 (Oct)		0.72

3. REFERENCES

Department of Water and Environmental Regulation, Water Information Reporting, accessed November 2025.

Department of Water and Environmental Regulation, Water Register, accessed November 2025.

Hyd2o (2024), Lots 159, 168, 167, 203-207 (No. 365) Mallokup Rd, Stirling Estate Groundwater Monitoring Report 2024, December 2024

McVicar, T. R., & Roderick, M. L. (2014). The relationship between groundwater and vegetation: A review of the literature. *Hydrology and Earth System Sciences*, 18(1), 1–12.

Should you have any queries regarding this report, please do not hesitate to contact Andre Righetti or Sasha Martens of this office.

Yours sincerely,



Andre Righetti
Environmental Engineer / Hydrologist

Attachments

Figure 1: Bore Location Plan & AAMGL Mapping

Figure 2: Depth to AAMGL Mapping

Attachment A: Bore Logs

Attachment B: Groundwater Levels Summary

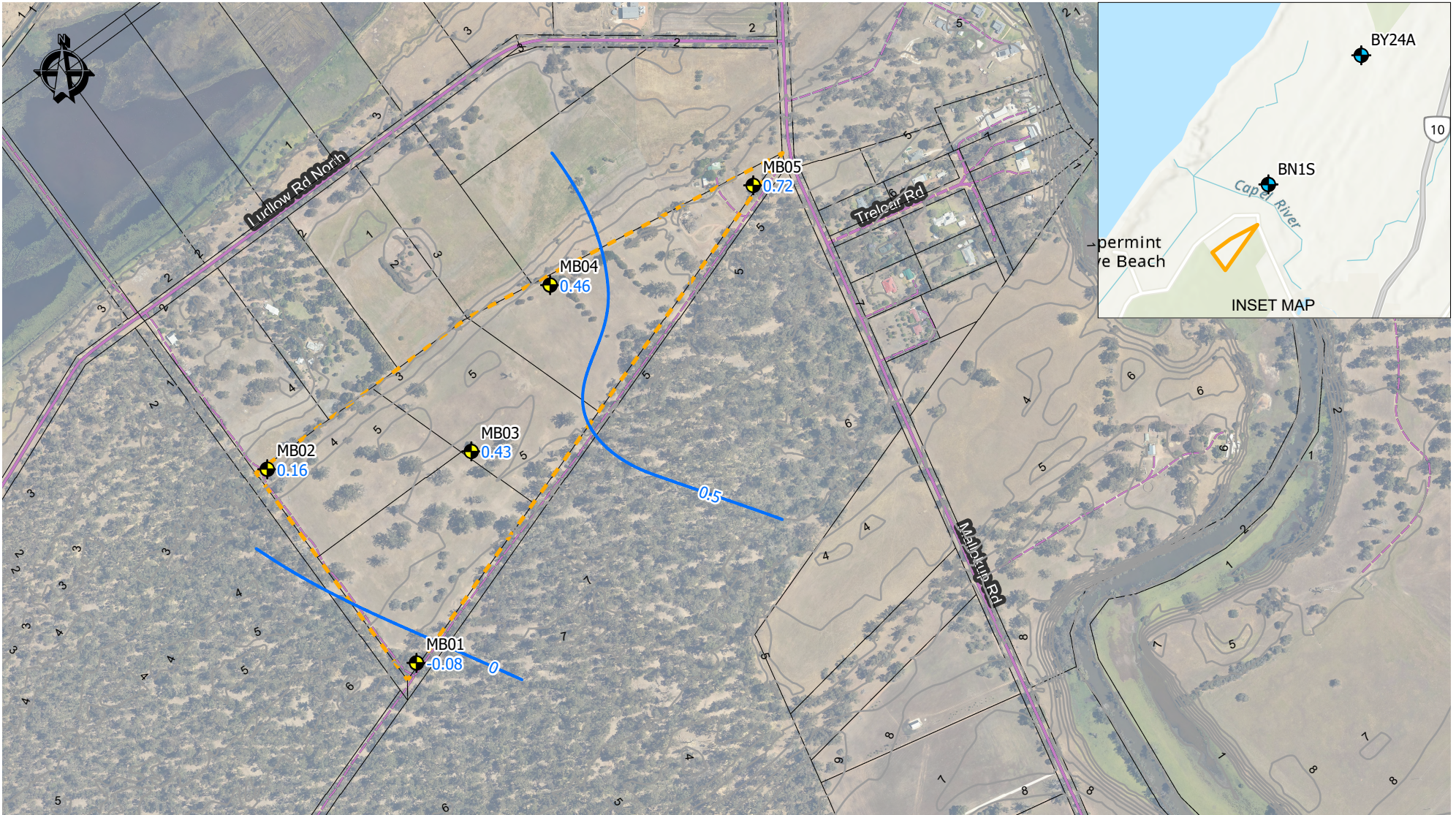
Attachment C: Long Term DWER Hydrographs

This document is published in accordance with and subject to an agreement between Hyd2o and the Client for whom it has been prepared, and is restricted to those issues that have been raised by the Client in its engagement of Hyd2o. It has been prepared using the skill and care ordinarily exercised by hydrologists in the preparation of such documents.

Hyd2o recognise site conditions change and contain varying degrees of non-uniformity that cannot be fully defined by field investigation. Measurements and values obtained from sampling and testing in this document are indicative within a limited timeframe, and unless otherwise specified, should not be accepted as conditions on site beyond that timeframe.

Any person or organisation that relies on or uses the document for purposes or reasons other than those agreed by Hyd2o and the Client does so entirely at their own risk. Hyd2o denies all liability in tort, contract or otherwise for any loss, damage or injury of any kind whatsoever (whether in negligence or otherwise) that may be suffered as a consequence of relying on this document for any purpose other than that agreed with the Client.

FIGURES

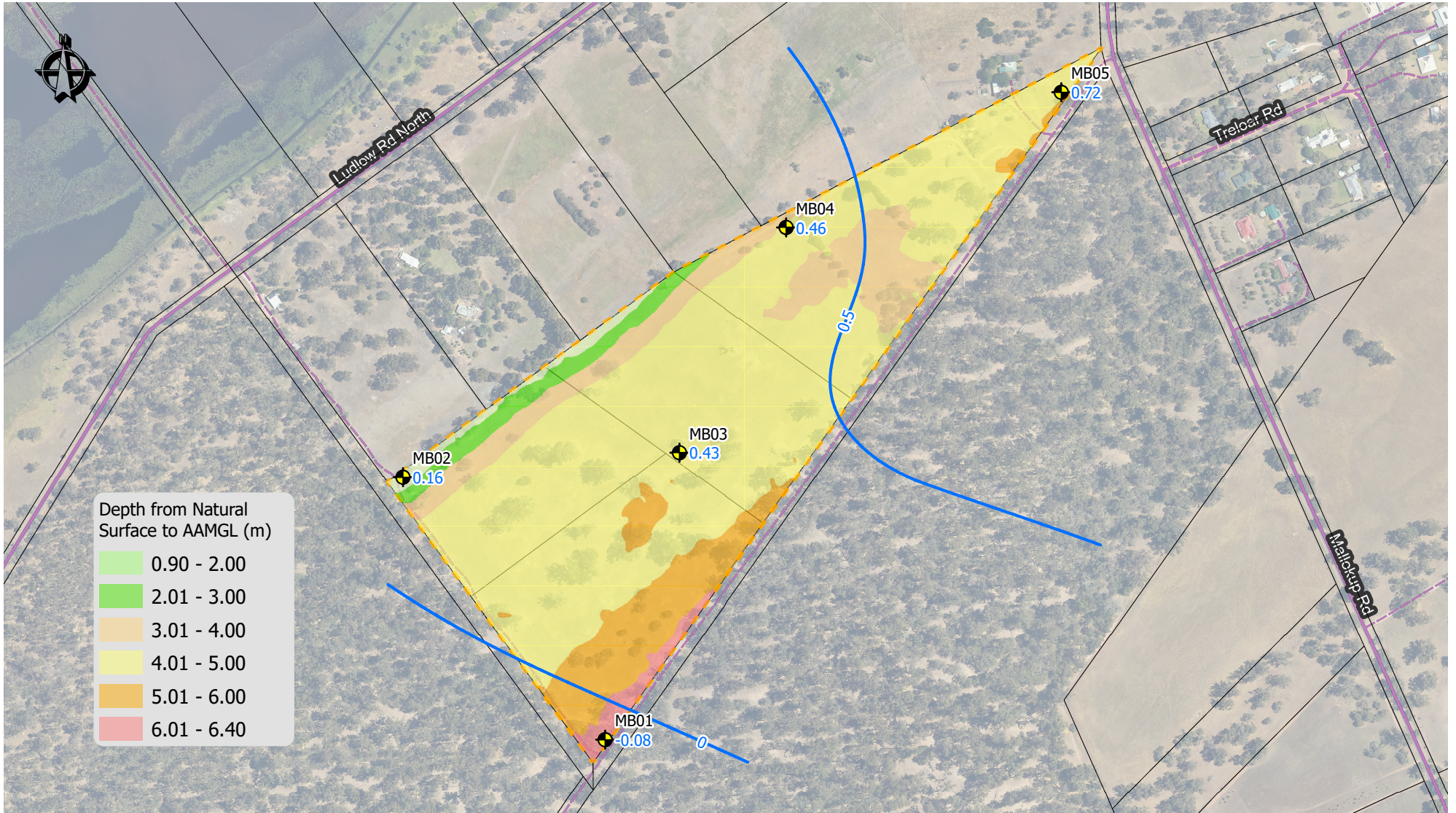


- Site Boundary
- Site Groundwater Monitoring Bore
- DWER Groundwater Monitoring Bore
- AAMGL Contour (mAHD)

LiDAR Contour (mAHD)

0 120 240 Meters
Data Source:
Water Information Reporting DWER
LiDAR DEM - DWER
Aerial Image - Landgate

hydo
Lots 159, 168, 167, 203-207 (No.365) Mallokup Rd
Stirling Estate Capel Monitoring
AAMGL Mapping
Figure 1



- Site Boundary
- Site Groundwater Monitoring Bore
- AAMGL Contour (mAHD)

0 90 180 Meters
Data Source:
LIDAR DEM - DWER
Aerial Image - Landgate

hyd2o
Lots 159, 168, 167, 203-207 (No.365) Mallokup Rd
Stirling Estate Capel Monitoring
Depth to AAMGL Mapping
Figure 2

ATTACHMENT 1
Bore Logs via Hyd2o 2024

Date : 5/04/2024
 Client : Element
 Project : Stirling Estate GW Monitoring
 Easting : 363542.12
 Northing : 6288722.452
 Datum : GDA94
 Drill type : Drill Rig Auger
 Hole diameter : 2.5 inches

Job Number : H24008
 Start Hole : 8:15
 End Hole : 9:30
 Logged by : AFR
 Total Depth : 8.0
 RL Top of Casing : 6.765
 RL Nat Surface : 6.165

Bore Name

MB1

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics							
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment		
PVC (Class 9)	CEMENT			0.5m	Brown Dark Brown							
				1.0m	Brown							
	1.5m			Brown Light Brown	Sand							
	2.0m											
	2.5m			Light Brown	Fine to Medium						None	Dry
	3.0m			Brown								
	3.5m			Beige Brown	Sand with minor limestone and shells							
	4.0m											
	4.5m											
	5.0m											

COLOUR : Black, White, Beige
 Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
 Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
 Silt, Loam, Sandy Loam, Clayey Loam
 Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date

Stickup above NS (m)

Water Level bTOC (m)


Water Level bNS (m)

Date : 5/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 363542.12
Northing : 6288722.452
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 8:15
End Hole : 9:30
Logged by : AFR
Total Depth : 8.0
RL Top of Casing : 6.765
RL Nat Surface : 6.165

Bore Name

MB1

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	GRAVEL	▽	[Screen Pattern]	5.5m	Light Brown	Fine to Medium	Gravelly Sand (limestone and shell)	None	Dry	
				6.0m	Light Brown Beige				Moist	
				6.5m						
				7.0m	Dark Beige		Sand		Saturated	
				7.5m						
				8.0m						end of hole at 8.0 m
				8.5m						
			9.0m							
			9.5m							
			10.0m							

COLOUR : Black, White, Biege
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date : 8/04/2024

Stickup above NS (m) : _____

Water Level bTOC (m) : _____



Water Level bNS (m) : _____

Date : 5/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 363288.109
Northing : 6289051.86
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 9:45
End Hole : 11:00
Logged by : AFR
Total Depth : 5.0
RL Top of Casing : 2.024
RL Nat Surface : 1.424

Bore Name

MB2

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	CEMENT			0.5m	Dark Grey Black	Fine to Medium	Sand	Medium	Dry	
				1.0m	Dark Grey			Low		
	1.5m			Dark Grey Light Brown				Slightly Moist		
	2.0m			Dark Grey Brown	Clayey Sand			Moist		
	2.5m			Brown						
	3.0m						None			
	3.5m			Dark Brown	Sandy Clay					
	4.0m							Saturated		
	4.5m			Light Brown	Clayey Sand					
				5.0m					end of hole at 5.0 m	

COLOUR : Black, White, Beige
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date

Stickup above NS (m)

Water Level bTOC (m)

Water Level bNS (m)

Date : 5/04/2024
 Client : Element
 Project : Stirling Estate GW Monitoring
 Easting : 363635.369
 Northing : 6289082.42
 Datum : GDA94
 Drill type : Drill Rig Auger
 Hole diameter : 2.5 inches

Job Number : H24008
 Start Hole : 6:30
 End Hole : 8:00
 Logged by : AFR
 Total Depth : 8.0
 RL Top of Casing : 5.625
 RL Nat Surface : 5.025

Bore Name

MB3

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics						
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment	
PVC (Class 9)	CEMENT			0.5m	Grey Light Brown			Low			
				1.0m	Brown						
	1.5m			Light Brown							
	2.0m			Beige Light Brown	Sand						
	2.5m			Beige	Fine to Medium			None			Dry
	3.0m										
3.5m	GRAVEL										
4.0m											
4.5m									Beige Light Brown	Gravelly Sand (limestone and shell)	
5.0m											

COLOUR : Black, White, Beige
 Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
 Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
 Silt, Loam, Sandy Loam, Clayey Loam
 Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date

Stickup above NS (m)

Water Level bTOC (m)


Water Level bNS (m)

Date : 5/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 363635.369
Northing : 6289082.42
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 6:30
End Hole : 8:00
Logged by : AFR
Total Depth : 8.0
RL Top of Casing : 5.625
RL Nat Surface : 5.025

Bore Name

MB3

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	GRAVEL	▽	[Grid]	5.5m	Beige Yellow		Gravelly Sand (limestone and shell)		Slightly Moist	
				6.0m					Moist	
				6.5m		Fine to Medium		None		
				7.0m	Dark Beige		Sand		Saturated	
				7.5m						
				8.0m	Beige Brown	Fine	Clayey Sand			end of hole at 8.0m
				8.5m						
				9.0m						
				9.5m						
				10.0m						

COLOUR : Black, White, Biege
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date : 8/04/2024

Stickup above NS (m) _____
Water Level bTOC (m) _____
Water Level bNS (m) _____

Date : 4/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 363769.406
Northing : 6289365.099
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 16:30
End Hole : 18:00
Logged by : AFR
Total Depth : 6.5
RL Top of Casing : 5.074
RL Nat Surface : 4.474

Bore Name

MB4

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	CEMENT			0.5m	Brown Dark Brown					
	BENTONITE SEAL			1.0m	Brown		Sand			
	GRAVEL			1.5m						
				2.0m	Light Brown		Sand with minor limestone		Dry	
				2.5m		Fine to Medium		None		
				3.0m						
				3.5m			Gravelly Sand (limestone)			
				4.0m	Beige				Slightly Moist	
				4.5m					Moist	
				5.0m						

COLOUR : Black, White, Beige
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date

Stickup above NS (m)

Water Level bTOC (m)


Water Level bNS (m)

Date : 4/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 363769.406
Northing : 6289365.099
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 16:30
End Hole : 18:00
Logged by : AFR
Total Depth : 6.5
RL Top of Casing : 5.074
RL Nat Surface : 4.474

Bore Name

MB4

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	GRAVEL		[Screen]	5.5m	Light Beige Grey	Fine to Medium	Gravelly Sand (limestone)	None	Saturated	
				6.0m			Clayey Sand			
					Grey					
				6.5m	Grey Brown	Fine	Clay			
				7.0m						
			7.5m							
			8.0m							
			8.5m							
			9.0m							
				9.5m						
				10.0m						

COLOUR : Black, White, Biege
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Date

Stickup above NS (m)

Water Level bTOC (m)

Water Level bNS (m)

Static Water Level

Date : 5/04/2024
Client : Element
Project : Stirling Estate GW Monitoring
Easting : 364115.012
Northing : 6289534.928
Datum : GDA94
Drill type : Drill Rig Auger
Hole diameter : 2.5 inches

Job Number : H24008
Start Hole : 11:15
End Hole : 13:30
Logged by : AFR
Total Depth : 8.0
RL Top of Casing : 6.081
RL Nat Surface : 5.481

Bore Name

MB5

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics						
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment	
PVC (Class 9)	CEMENT			0.5m	Dark Brown		Sand		Dry		
				1.0m	Brown						
	1.5m			Brown Light Brown							
	2.0m			Light Brown							
	2.5m			Fine to Medium	None						Dry
	3.0m										
	3.5m			Beige	Slightly Moist						hard layer from 4.7m to 6.2m limestone
	4.0m										
	4.5m										
											5.0m

COLOUR : Black, White, Beige
Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
Silt, Loam, Sandy Loam, Clayey Loam
Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Static Water Level

Date

Stickup above NS (m)

Water Level bTOC (m)


Water Level bNS (m)

Date : 5/04/2024
 Client : Element
 Project : Stirling Estate GW Monitoring
 Easting : 364115.012
 Northing : 6289534.928
 Datum : GDA94
 Drill type : Drill Rig Auger
 Hole diameter : 2.5 inches

Job Number : H24008
 Start Hole : 11:15
 End Hole : 13:30
 Logged by : AFR
 Total Depth : 8.0
 RL Top of Casing : 6.081
 RL Nat Surface : 5.481

Bore Name

MB5

support	backfill	water	Slot / Screen Depth	Depth (metres)	Soil Characteristics					
					Colour	Particle Size	Texture	Organic Content	Moisture	Comment
PVC (Class 9)	GRAVEL			5.5m	Beige				Slightly Moist	
				6.0m			Gravelly Sand (limestone)		Moist	
				6.5m		Fine to Medium		None		
				7.0m	Dark Beige				Saturated	
				7.5m			Clayey Sand			
				8.0m						end of hole at 8.0 m
				8.5m						
			9.0m							
			9.5m							
			10.0m							

COLOUR : Black, White, Biege
 Dark/Medium/Light : Brown, Red, Orange, Yellow, Grey, Blue
 Composition : Solid, Blemish, Mottle

PARTICLE SIZE : Fine, Medium, Course

TEXTURE : Sand, Loamy Sand, Clayey Sand
 Silt, Loam, Sandy Loam, Clayey Loam
 Clay, Sandy Clay

ORGANICS : High, Medium, Low

MOISTURE : Dry, Slightly Moist, Moist, Saturated

Date

Stickup above NS (m)

Water Level bTOC (m)

Water Level bNS (m)

Static Water Level

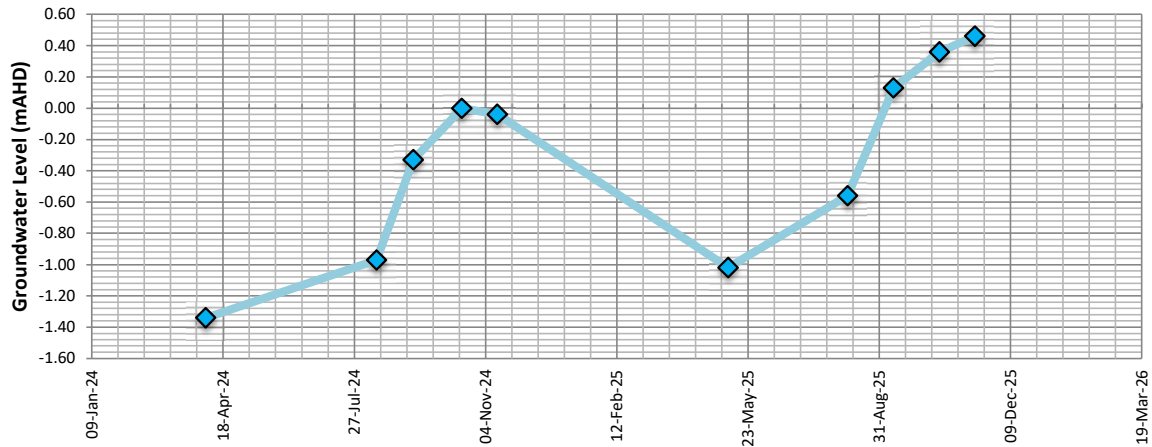
ATTACHMENT 2
Groundwater Levels Summary

H23080 Stirling Estate Groundwater Monitoring
MB1 Site Bore MB1



Data Analysis Period Start Date	1/01/2024	Easting	363542.12	Natural Surface (mAHD)	6.17
Data Analysis Period End Date	31/12/2025	Northing	6288722.452	Top of Casing (m AHD)	6.77
				End of Hole (mAHD)	

Report Date : 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
5/04/2024	8.10	-1.34	7.51
13/08/2024	7.73	-0.97	7.14
10/09/2024	7.09	-0.33	6.50
17/10/2024	6.77	0.00	6.17
13/11/2024	6.81	-0.04	6.21
8/05/2025	7.78	-1.02	7.19
7/08/2025	7.32	-0.56	6.73
11/09/2025	6.64	0.13	6.04
16/10/2025	6.40	0.36	5.81
12/11/2025	6.31	0.46	5.71

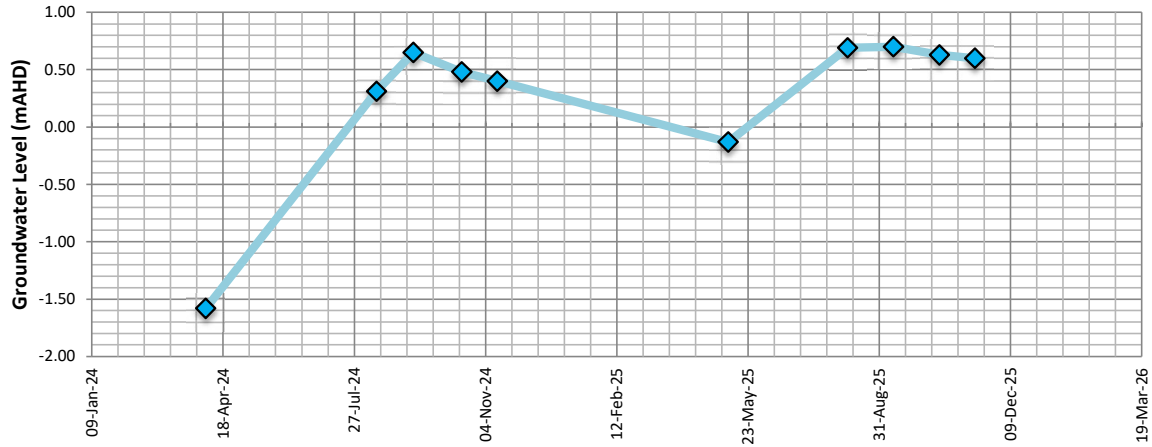
Minimum Recorded Level (mAHD)	-1.34
Maximum Recorded Level (mAHD)	0.46

H23080 Stirling Estate Groundwater Monitoring
MB2 Site Bore MB2



Data Analysis Period Start Date	1/01/2024	Easting	363288.109	Natural Surface (mAHD)	1.42
Data Analysis Period End Date	31/12/2025	Northing	6289051.86	Top of Casing (m AHD)	2.02
				End of Hole (mAHD)	

Report Date : 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
5/04/2024	3.60	-1.58	3.00
13/08/2024	1.71	0.31	1.11
10/09/2024	1.37	0.65	0.77
17/10/2024	1.54	0.48	0.94
13/11/2024	1.62	0.40	1.02
8/05/2025	2.15	-0.13	1.55
7/08/2025	1.33	0.69	0.73
11/09/2025	1.32	0.70	0.72
16/10/2025	1.39	0.63	0.79
12/11/2025	1.42	0.60	0.82

Minimum Recorded Level (mAHD)	-1.58
Maximum Recorded Level (mAHD)	0.70

H23080 Stirling Estate Groundwater Monitoring
MB3 Site Bore MB3

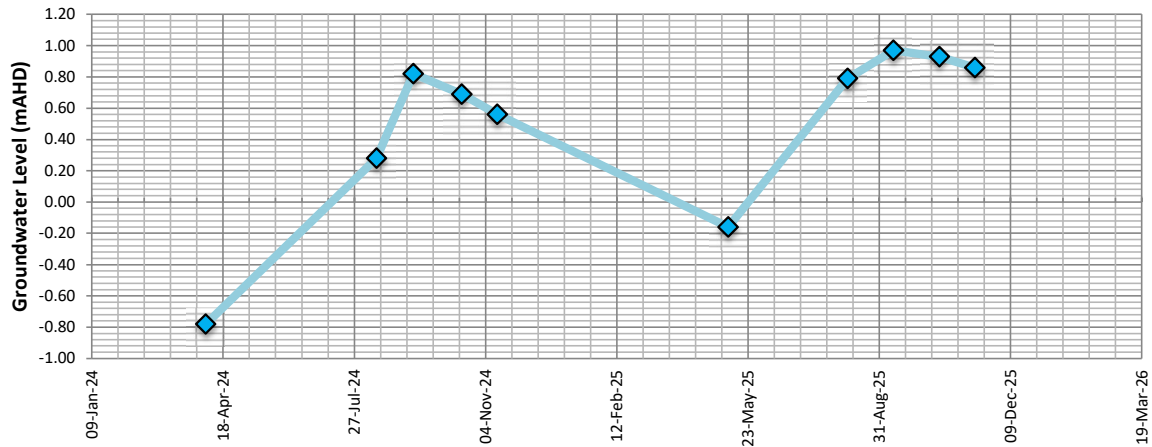


Data Analysis Period Start Date: 1/01/2024
 Data Analysis Period End Date: 31/12/2025

Easting: 363635.369
 Northing: 6289082.42

Natural Surface (mAHD): 5.03
 Top of Casing (m AHD): 5.63
 End of Hole (mAHD):

Report Date: 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
5/04/2024	6.40	-0.78	5.81
13/08/2024	5.35	0.28	4.75
10/09/2024	4.81	0.82	4.21
17/10/2024	4.94	0.69	4.34
13/11/2024	5.07	0.56	4.47
8/05/2025	5.78	-0.16	5.19
7/08/2025	4.84	0.79	4.24
11/09/2025	4.66	0.97	4.06
16/10/2025	4.70	0.93	4.10
12/11/2025	4.77	0.86	4.17

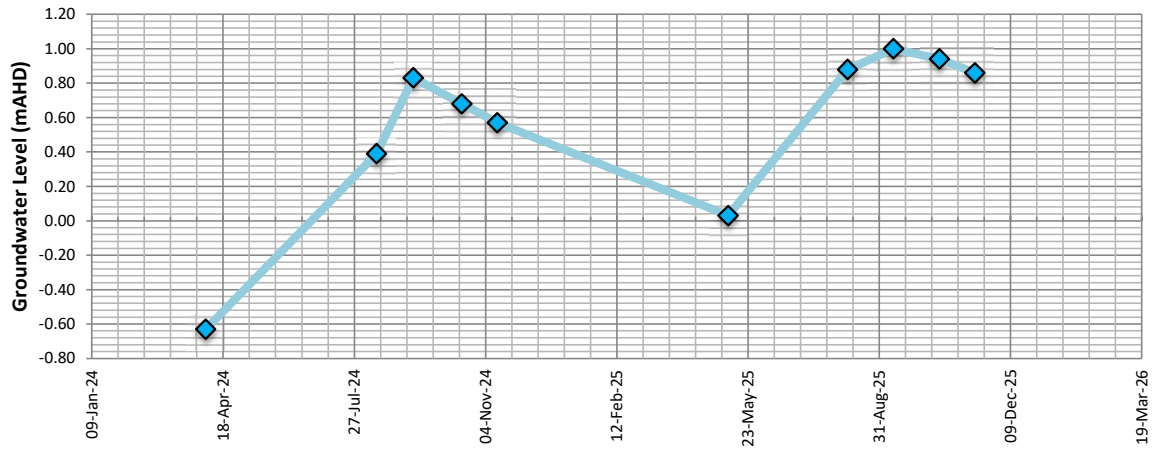
Minimum Recorded Level (mAHD): -0.78
 Maximum Recorded Level (mAHD): 0.97

H23080 Stirling Estate Groundwater Monitoring
MB4 Site Bore MB4



Data Analysis Period Start Date	1/01/2024	Easting	363769.406	Natural Surface (mAHD)	4.47
Data Analysis Period End Date	31/12/2025	Northing	6289365.099	Top of Casing (m AHD)	5.07
				End of Hole (mAHD)	

Report Date : 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
5/04/2024	5.70	-0.63	5.10
13/08/2024	4.68	0.39	4.08
10/09/2024	4.24	0.83	3.64
17/10/2024	4.39	0.68	3.79
13/11/2024	4.50	0.57	3.90
8/05/2025	5.04	0.03	4.44
7/08/2025	4.19	0.88	3.59
11/09/2025	4.07	1.00	3.47
16/10/2025	4.13	0.94	3.53
12/11/2025	4.21	0.86	3.61

Minimum Recorded Level (mAHD)	-0.63
Maximum Recorded Level (mAHD)	1.00

H23080 Stirling Estate Groundwater Monitoring
MB5 Site Bore MB5

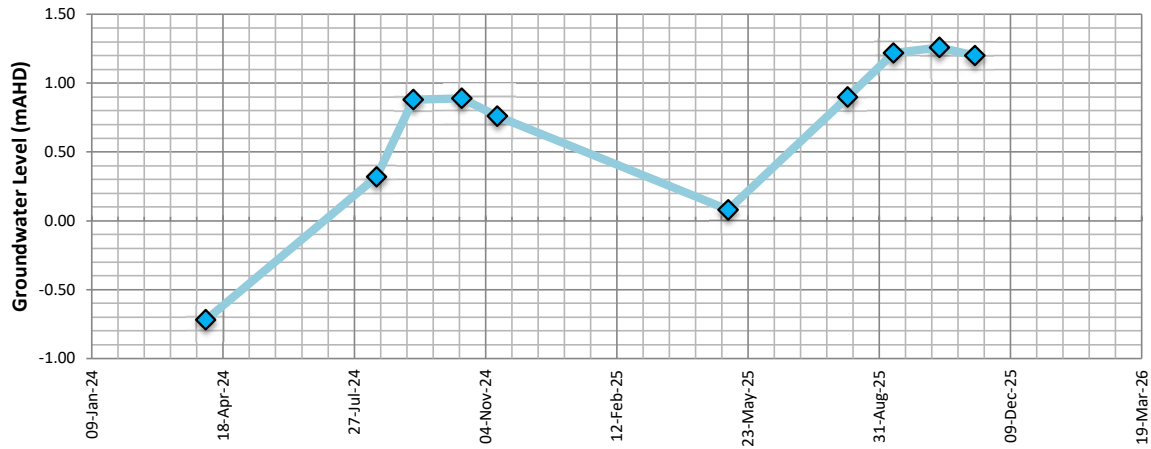


Data Analysis Period Start Date: 1/01/2024
 Data Analysis Period End Date: 31/12/2025

Easting: 364115.012
 Northing: 6289534.928

Natural Surface (mAHD): 5.48
 Top of Casing (m AHD): 6.08
 End of Hole (mAHD):

Report Date: 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
5/04/2024	6.80	-0.72	6.20
13/08/2024	5.76	0.32	5.16
10/09/2024	5.20	0.88	4.60
17/10/2024	5.19	0.89	4.59
13/11/2024	5.32	0.76	4.72
8/05/2025	6.00	0.08	5.40
7/08/2025	5.18	0.90	4.58
11/09/2025	4.86	1.22	4.26
16/10/2025	4.82	1.26	4.22
12/11/2025	4.88	1.20	4.28

Minimum Recorded Level (mAHD): -0.72
 Maximum Recorded Level (mAHD): 1.26

H23080 Stirling Estate Groundwater Monitoring
BN1S DWER Bore BN1S



Data Analysis Period Start Date

1/01/2024

 Data Analysis Period End Date

31/12/2025

Easting

364379.54

 Northing

6290391.45

Natural Surface (mAHD)

--

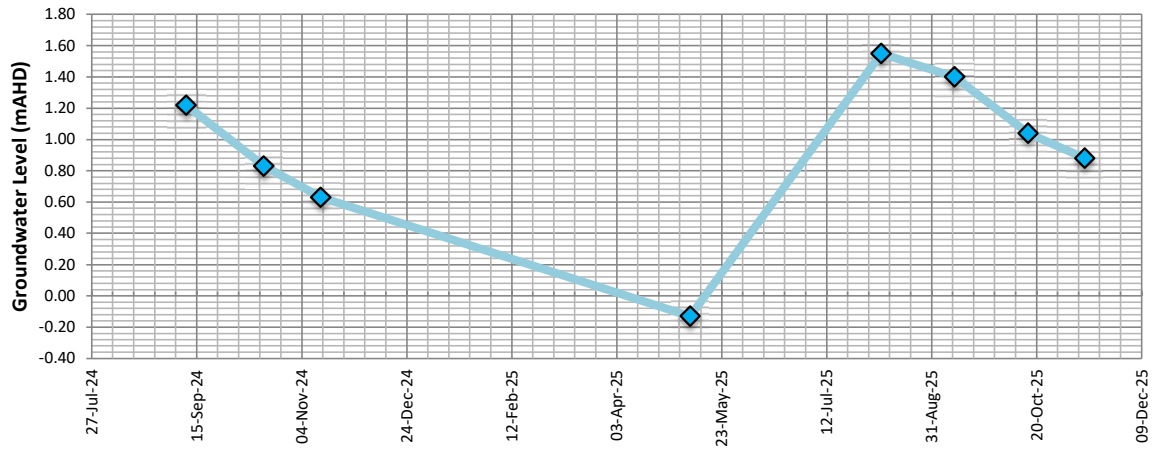
 Top of Casing (m AHD)

3.08

 End of Hole (mAHD)

--

Report Date : 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
10/09/2024	1.86	1.22	
17/10/2024	2.25	0.83	
13/11/2024	2.45	0.63	
8/05/2025	3.21	-0.13	
7/08/2025	1.53	1.55	
11/09/2025	1.68	1.40	
16/10/2025	2.04	1.04	
12/11/2025	2.20	0.88	

Minimum Recorded Level (mAHD)

-0.13

 Maximum Recorded Level (mAHD)

1.55

H23080 Stirling Estate Groundwater Monitoring
BY24A DWER Bore BY24A

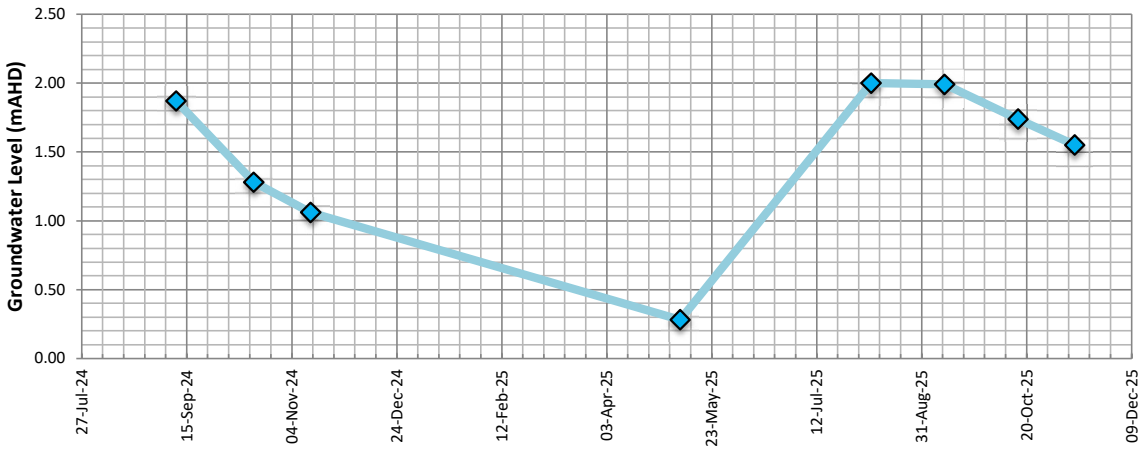


Data Analysis Period Start Date
 Data Analysis Period End Date

Easting
 Northing

Natural Surface (mAHD)
 Top of Casing (m AHD)
 End of Hole (mAHD)

Report Date : 18/11/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
10/09/2024	0.73	1.87	
17/10/2024	1.32	1.28	
13/11/2024	1.54	1.06	
8/05/2025	2.32	0.28	
7/08/2025	0.60	2.00	
11/09/2025	0.61	1.99	
16/10/2025	0.86	1.74	
12/11/2025	1.05	1.55	

Minimum Recorded Level (mAHD)
 Maximum Recorded Level (mAHD)

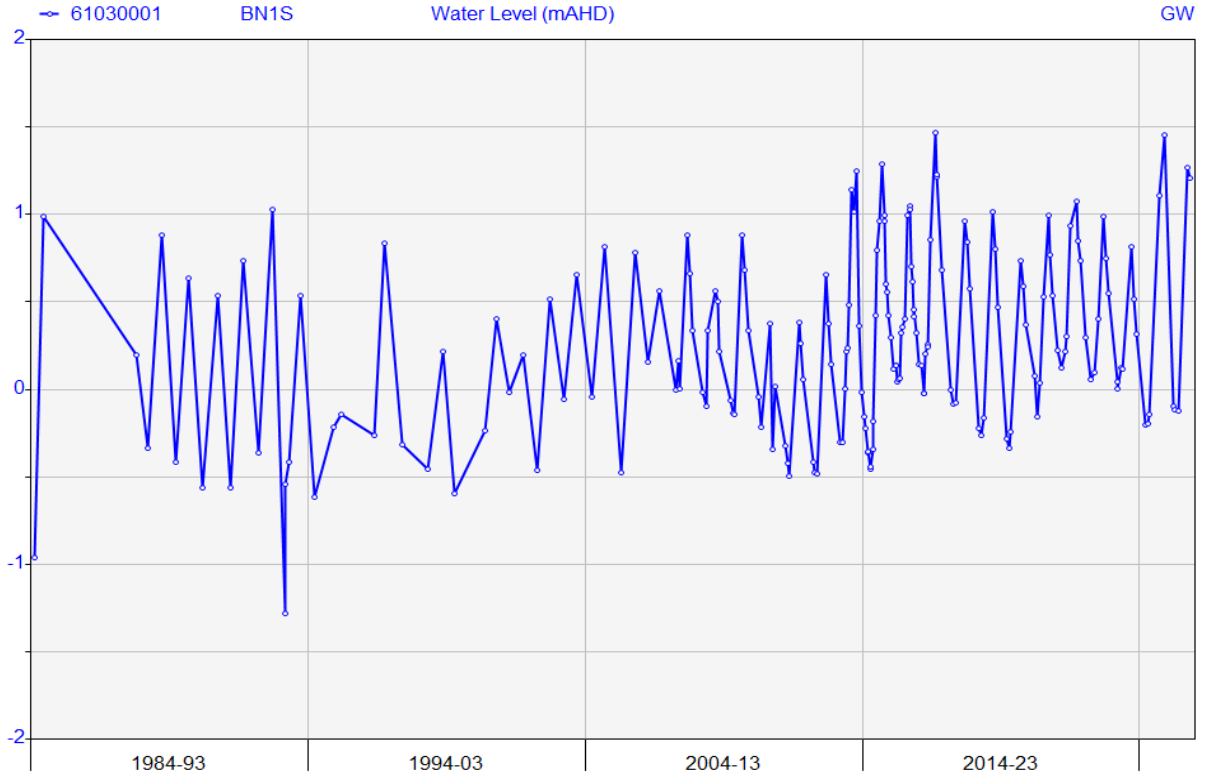
ATTACHMENT 3
DWER Long Term Hydrographs

Department of Water and Environmental Regulation

HYPLOT V135 Output 25/10/2025

Period 42 Year 01/01/1984 to 01/01/2026

1984-2025



Department of Water and Environmental Regulation

HYPLOT V135 Output 04/11/2025

Period 48 Year 01/01/1978 to 01/01/2026

1978-2025

