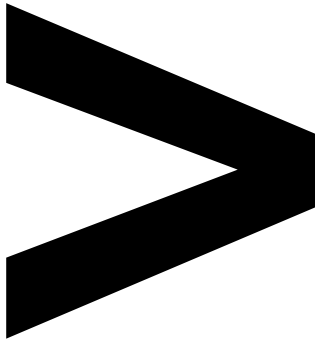




HUNTER VALLEY OPERATIONS

MONTHLY ENVIRONMENTAL MONITORING REPORT JUNE 2026

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OWNER

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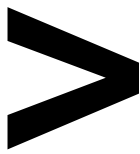
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1 | INTRODUCTION

This report has been compiled to provide a monthly summary of environmental monitoring results for Hunter Valley Operations (HVO). This report includes all monitoring data collected for the period 1 – 30 June 2026 (the 'Reporting Period').

2 | AIR QUALITY

2.1 | METEOROLOGICAL MONITORING

HVO maintains two meteorological stations: 'HVO Corporate' and 'Cheshunt' (refer to **Figure 4**).

2.1.1 | RAINFALL

Rainfall recorded at the HVO Corporate weather station during the period is summarised in **Table 1**. The 2024, 2025 and 2026 trends are shown in **Figure 1**.

Table 1 - Rainfall data for the reporting period

2026	Monthly Rainfall (mm)	Cumulative Rainfall (mm)
June	11.4	245.4

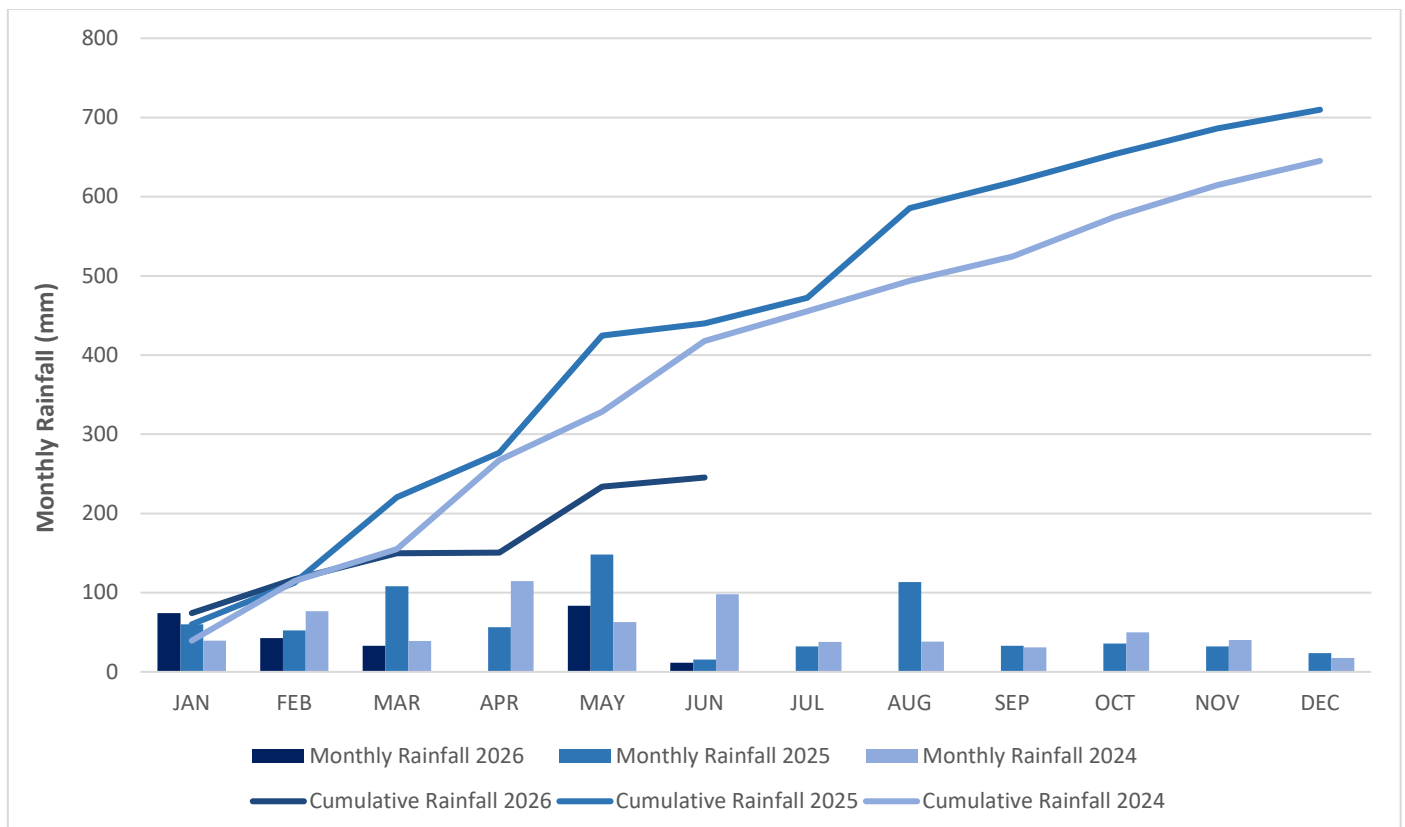
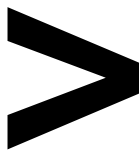


Figure 1 – Rainfall Summary 2024 – 2026



2.1.2 | WIND SPEED AND DIRECTION

The HVO Corporate station recorded winds from the west to west-northwest and southeast, while the Cheshunt station recorded winds ranging from the northwest to north-northwest as well as southeast to south-southeast during the reporting period as shown in **Figure 2** and **Figure 3**.

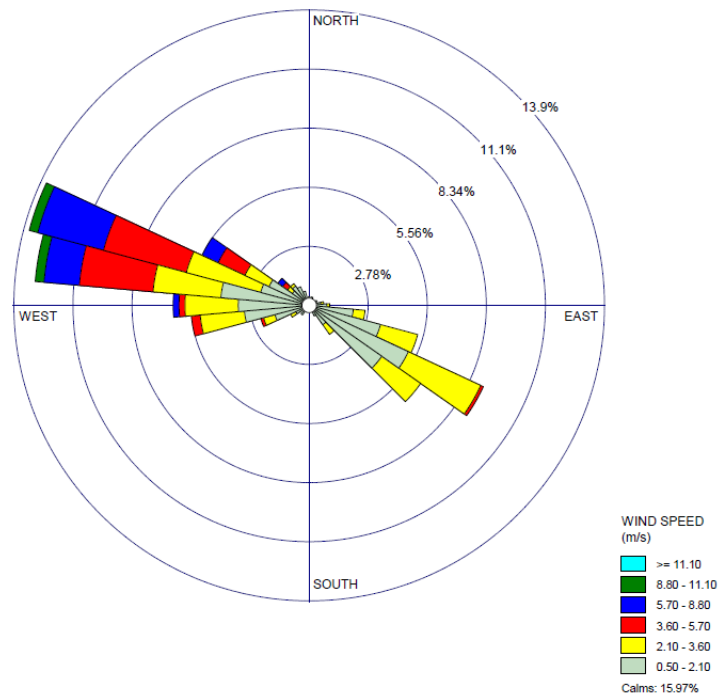


Figure 2 – HVO Corporate Wind Rose for the Reporting Period

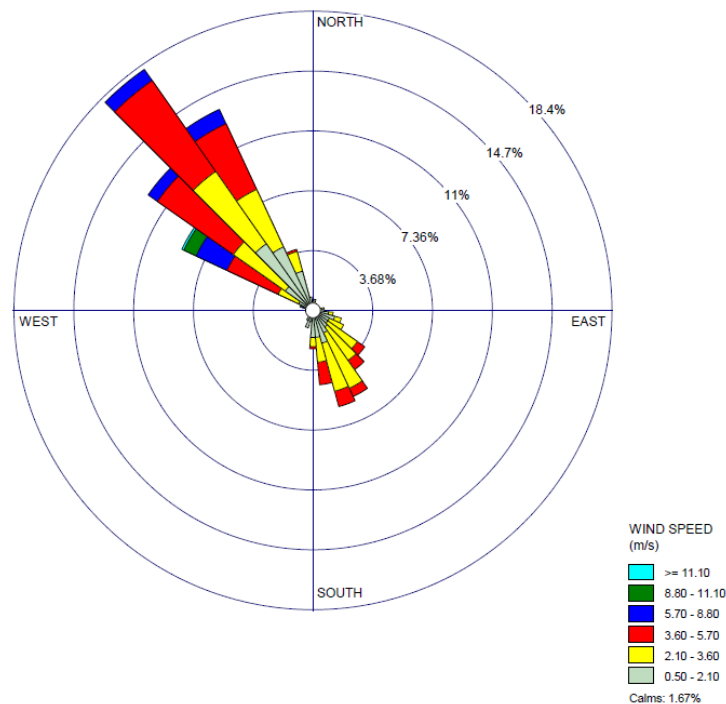


Figure 3 – HVO Cheshunt Wind Rose for the Reporting Period

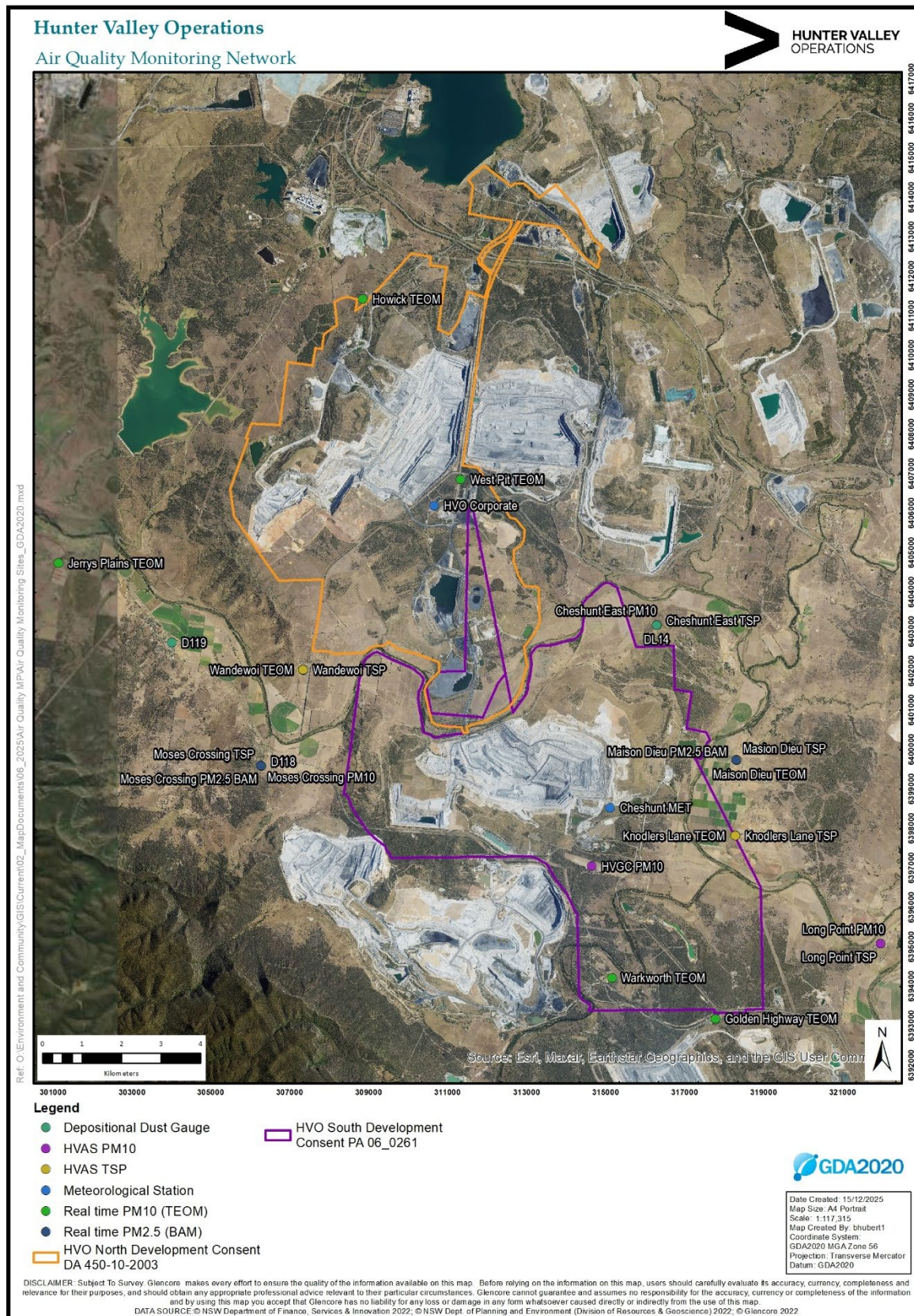
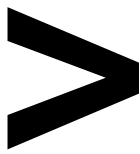


Figure 4 – Air Quality Monitoring Location Plan

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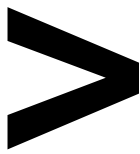
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2.2 | DEPOSITIONAL DUST

HVO operates and maintains a network of depositional dust gauges situated on private and mine owned land surrounding HVO to monitor regional air quality.

Figure 5 displays insoluble solids results from depositional dust gauges during the reporting period compared against the annual impact assessment criteria. Any monthly results deemed to be contaminated (due to presence of bird droppings, insects, etc.) are not displayed. An assessment of HVO's contribution against the long-term impact assessment criteria will be provided in the 2026 Annual Review.

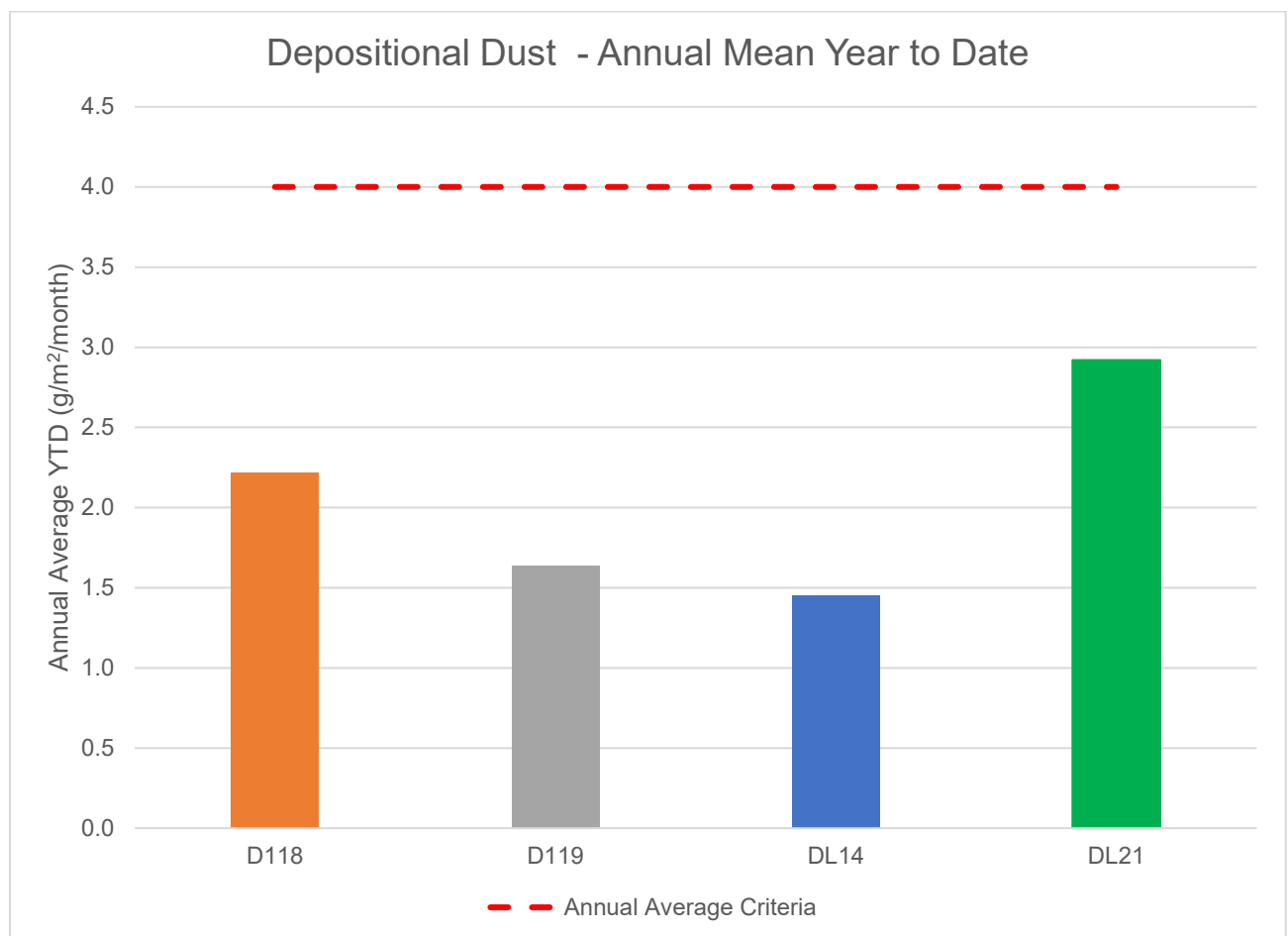
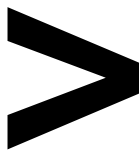


Figure 5 – Depositional Dust Results for the Reporting Period



2.3 | SUSPENDED PARTICLES

Suspended particles are measured by a network of High-Volume Air Samplers (HVAS) measuring Total Suspended Particulates (TSP) and Particulate Matter $<10\mu\text{m}$ (PM_{10}). The location of these monitors is presented in **Figure 4**. Each HVAS runs for 24-hours on a six-day cycle.

2.3.1 | HVAS PM_{10} RESULTS

2.3.1.1 | PERFORMANCE AGAINST SHORT TERM IMPACT ASSESSMENT CRITERIA

Figure 6 shows individual PM_{10} results at each monitoring station against the short-term impact assessment criteria of $50\mu\text{g}/\text{m}^3$. All monitors were below the short-term impact assessment criteria during the reporting period.

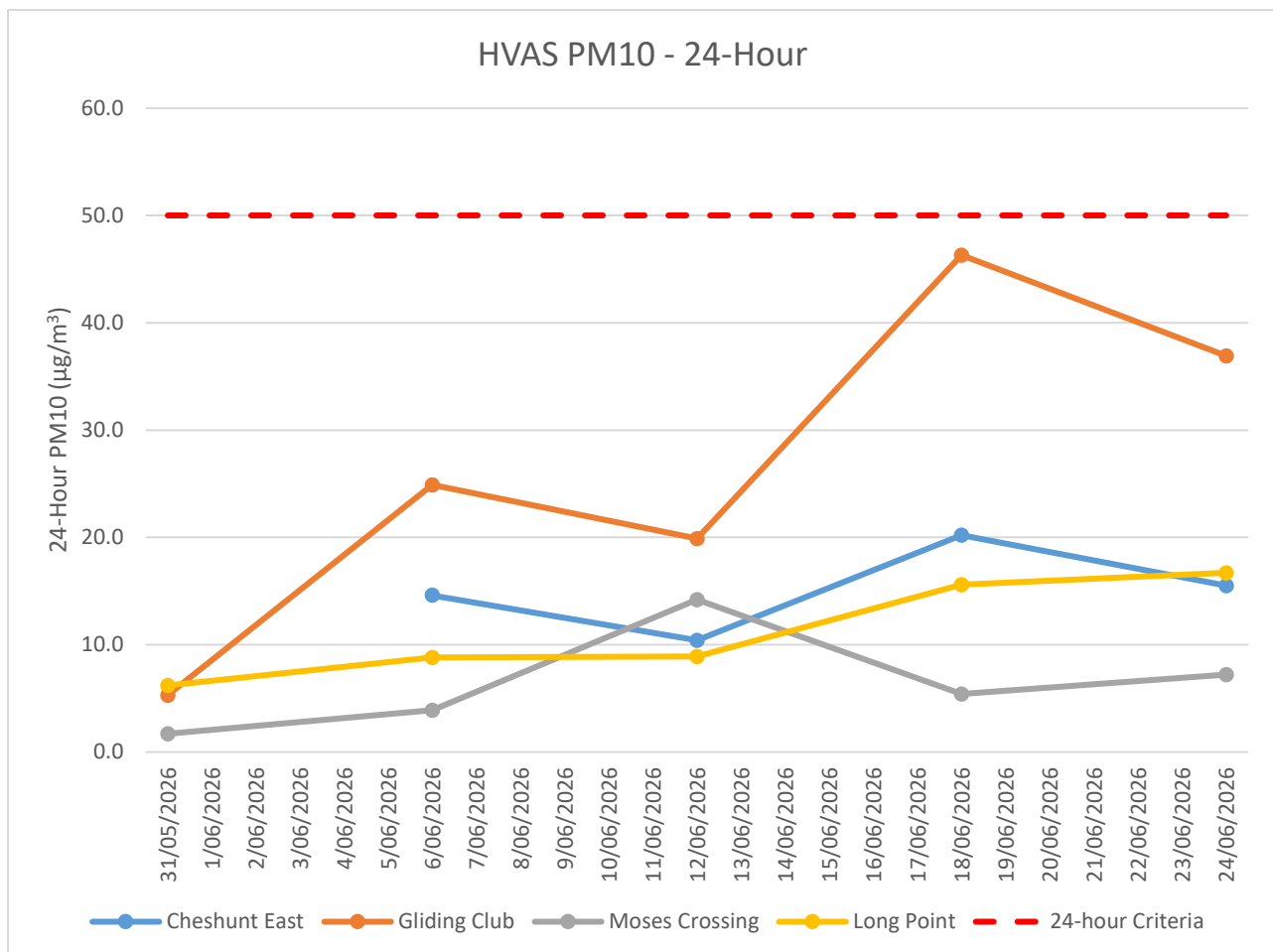
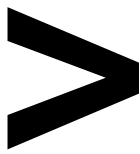


Figure 6 – Individual PM_{10} Results for the Reporting Period



2.3.1.2 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 7 shows the year-to-date annual average PM₁₀ results. All monitors were below the north long term impact assessment criteria during the reporting period and all monitors were above the south long term impact assessment criteria except for Cheshunt East.

An assessment of HVO's contribution against the long-term impact assessment criteria will be provided in the 2026 Annual Review.

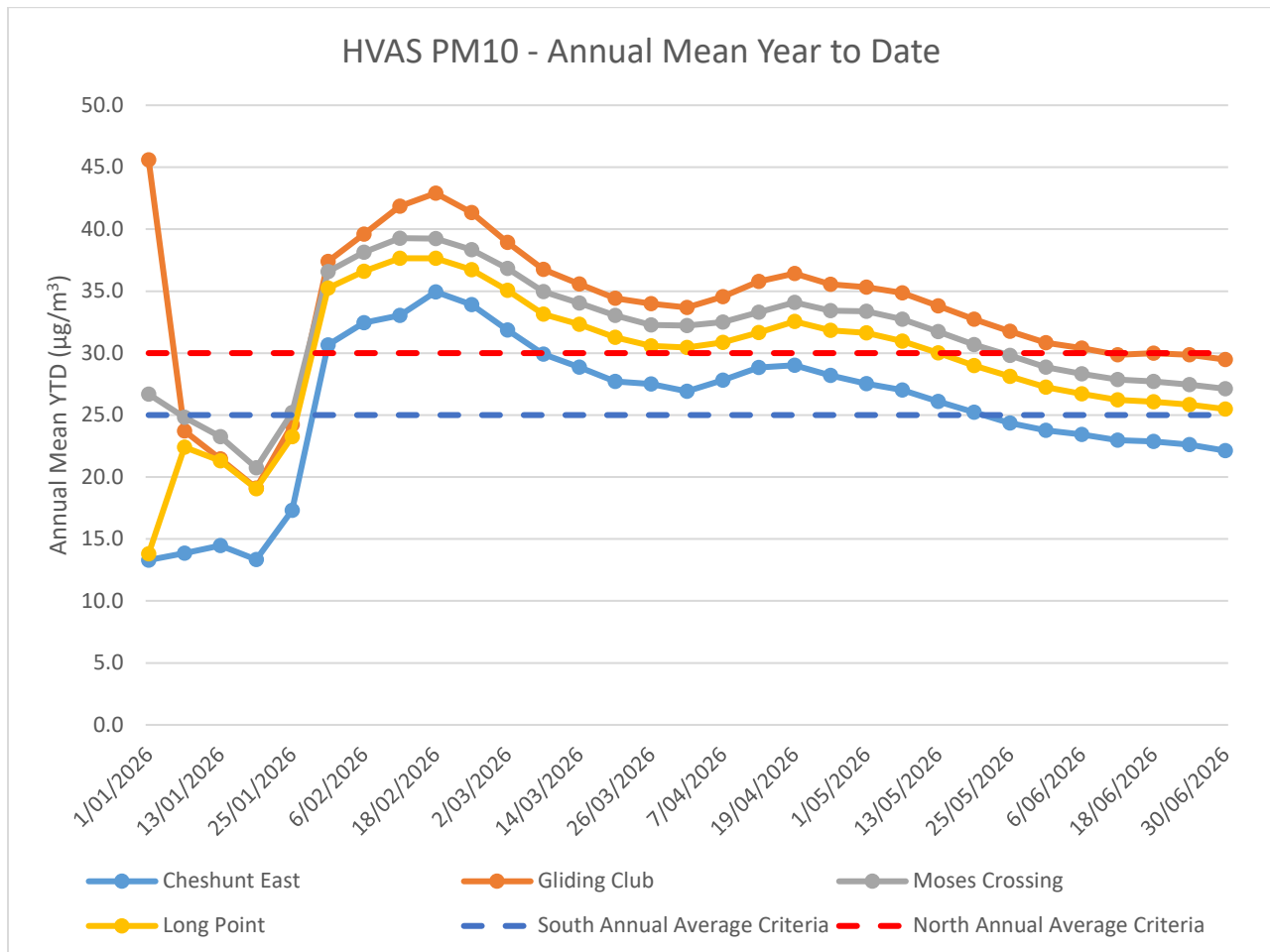
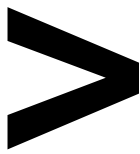


Figure 7 – Year to Date Average PM₁₀ as at end of the Reporting Period



2.3.2 | TSP RESULTS

2.3.2.1 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 8 shows the annual average TSP results compared against the long-term impact assessment criteria of $90\mu\text{g}/\text{m}^3$.

Except for Knodlers Lane, all monitors were below the relevant long-term impact assessment criteria during the reporting period.

An assessment of HVO's contribution against the long-term impact assessment criteria will be provided in the 2026 Annual Review.

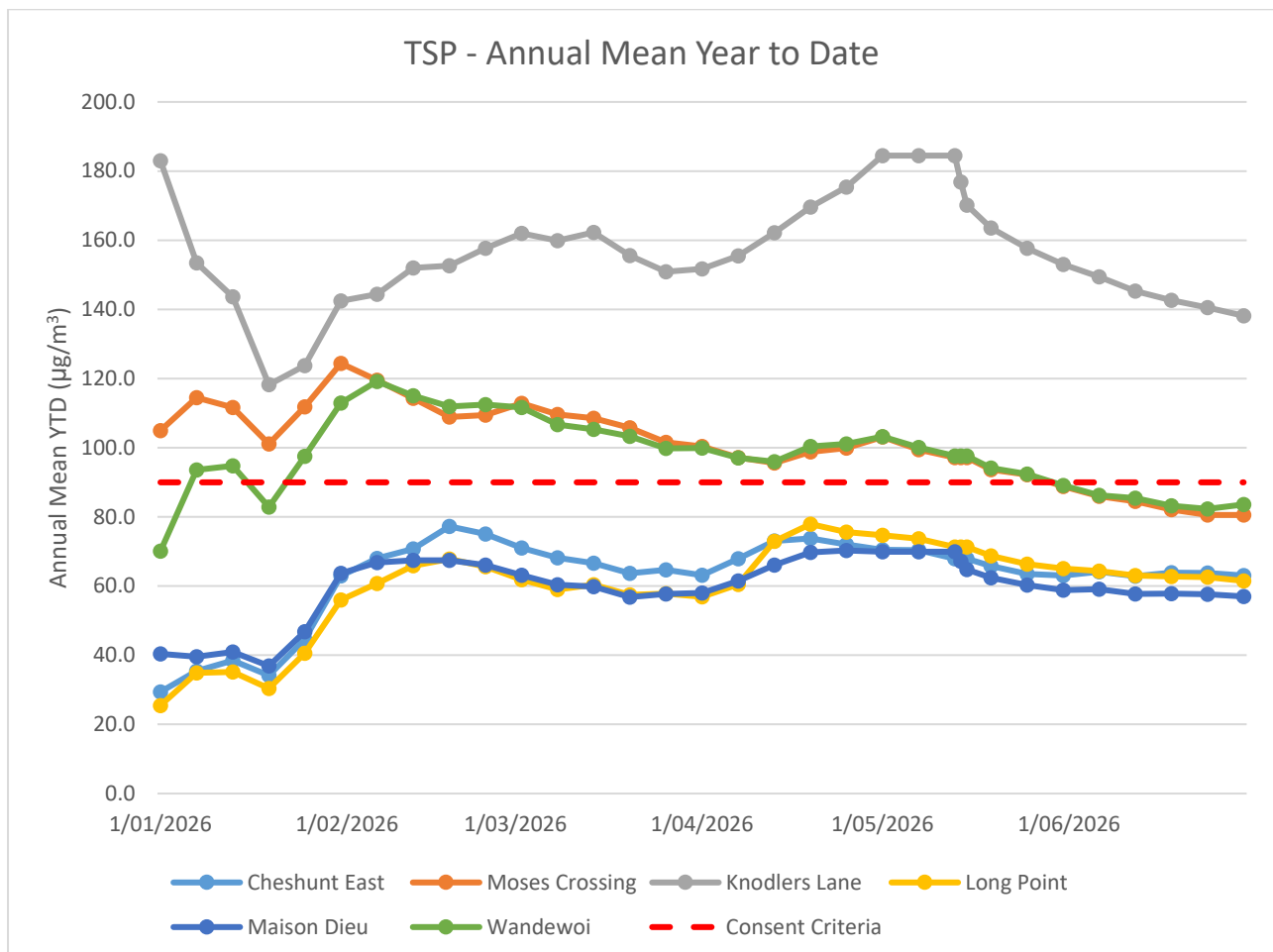
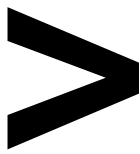


Figure 8 – Year to Date Average Total Suspended Particulates as at end of the Reporting Period



2.3.3 | EBAM PM_{2.5} RESULTS

HVO monitors PM_{2.5} at two locations, Maison Dieu and Moses Crossing. Following recent approval of the HVO Air Quality Management Plan in March 2026, the PM_{2.5} monitoring method has changed from HVAS to real-time Beta Attenuation Monitoring (BAM). The real time BAMs continuously record information and transmit data to a central database. Results from real time PM_{2.5} monitoring are used as a reactive measure to guide mining operations to help achieve compliance with the relevant conditions of the project approval.

2.3.3.1 | EBAM PM_{2.5} RESULTS

Figure 9 shows individual PM_{2.5} results at each monitoring station against the HVO South short-term impact assessment criteria of 25µg/m³ for the reporting period. Both monitors were below the relevant short-term impact assessment criteria during the reporting period.

An assessment of HVO's contribution against the long-term impact assessment criteria will be provided in the 2026 Annual Review.

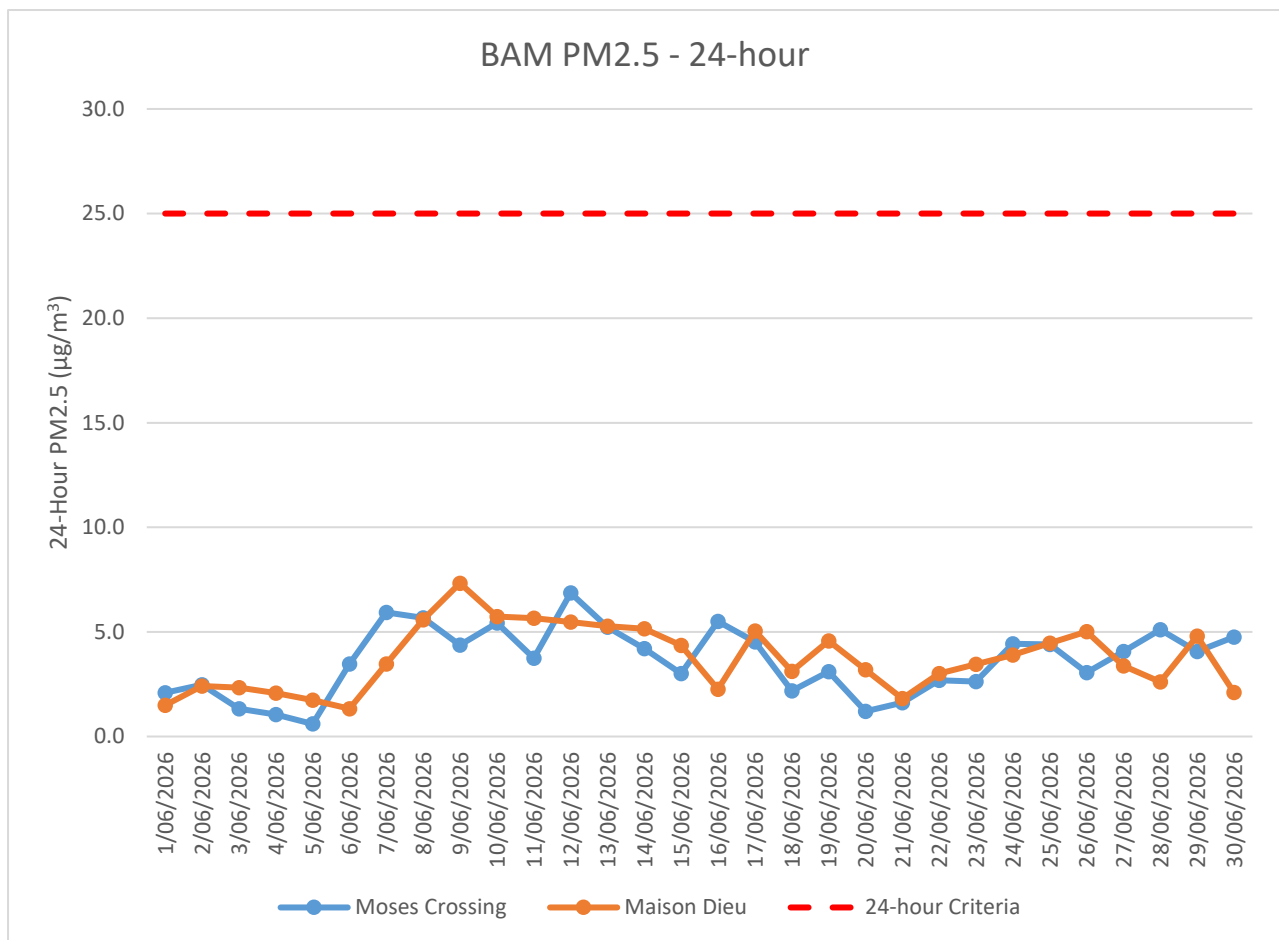
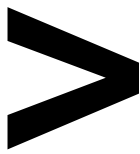


Figure 9 - Results for the Reporting Period



2.3.3.2 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 10 shows the year-to-date annual average PM_{2.5} results. During the reporting period, the annual average year to date results show Maison Dieu and Moses Crossing below the PM_{2.5} annual rolling mean criteria of 8µg/m³.

An assessment of HVO's contribution against the long-term impact assessment criteria will be provided in the 2026 Annual Review.

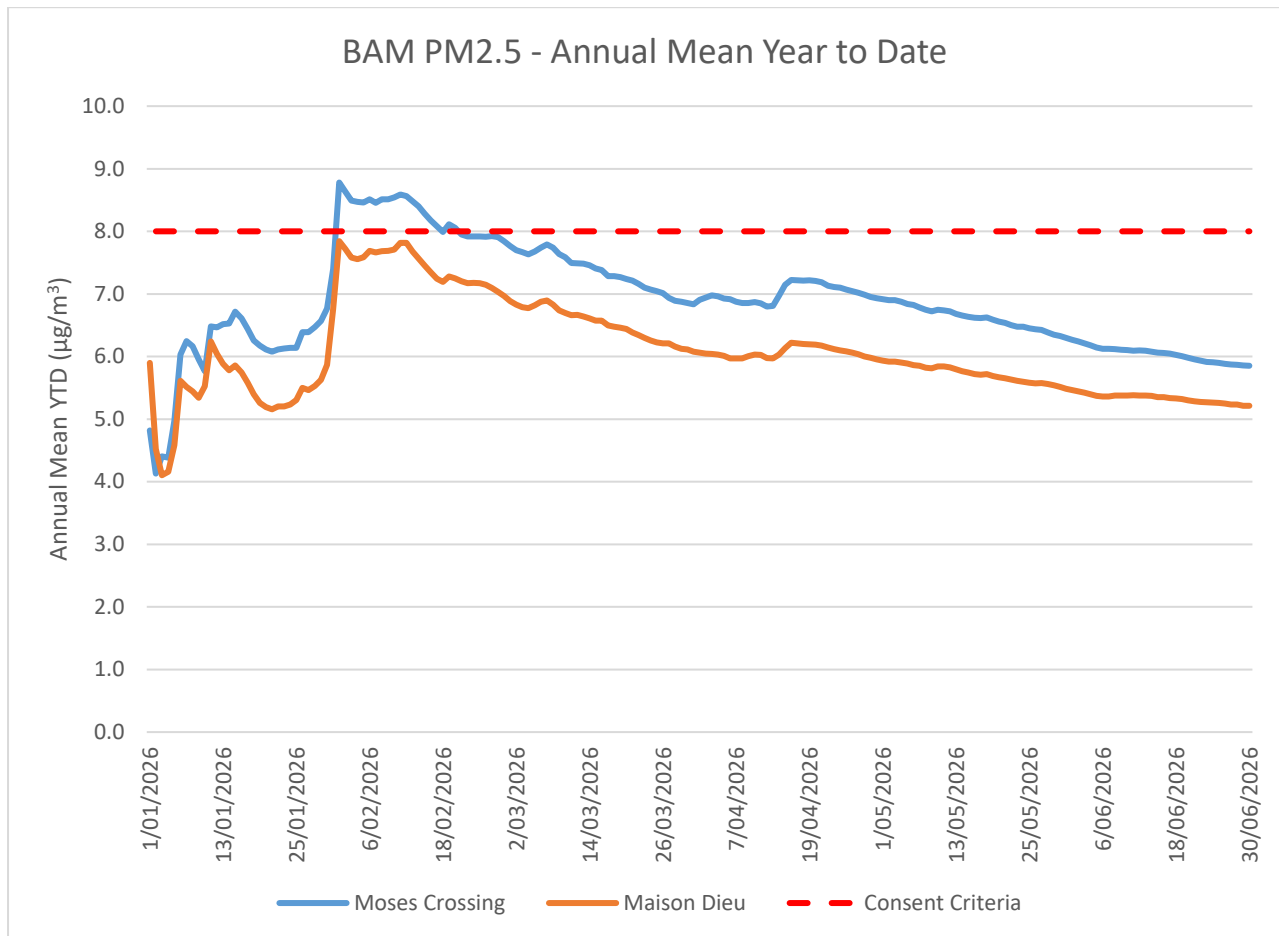
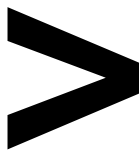


Figure 10 - Year to Date Average PM_{2.5} as at end of the Reporting Period



2.3.4 | REAL TIME PM₁₀ RESULTS

HVO maintains a network of real time PM₁₀ monitors. The real time air quality monitoring stations continuously record information and transmit data to a central database, generating alarms when particulate matter levels exceed internal trigger levels. Results from real time PM₁₀ monitoring are used as a reactive measure to guide mining operations to help achieve compliance with the relevant conditions of the project approval.

Figure 11 shows the daily 24-hour average PM₁₀ result from the real time monitoring sites. During the reporting period, daily results were below the 24-hr average criteria of 50µg/m³.

All monitors reported data capture rates of more than 75% on the respective dates, except for Warkworth on 16 and 17 June due to a miscapture event and Jerrys Plains between the 26 and 30 June due to monitor maintenance. The monitors did not report a result and therefore is not displayed for that date.

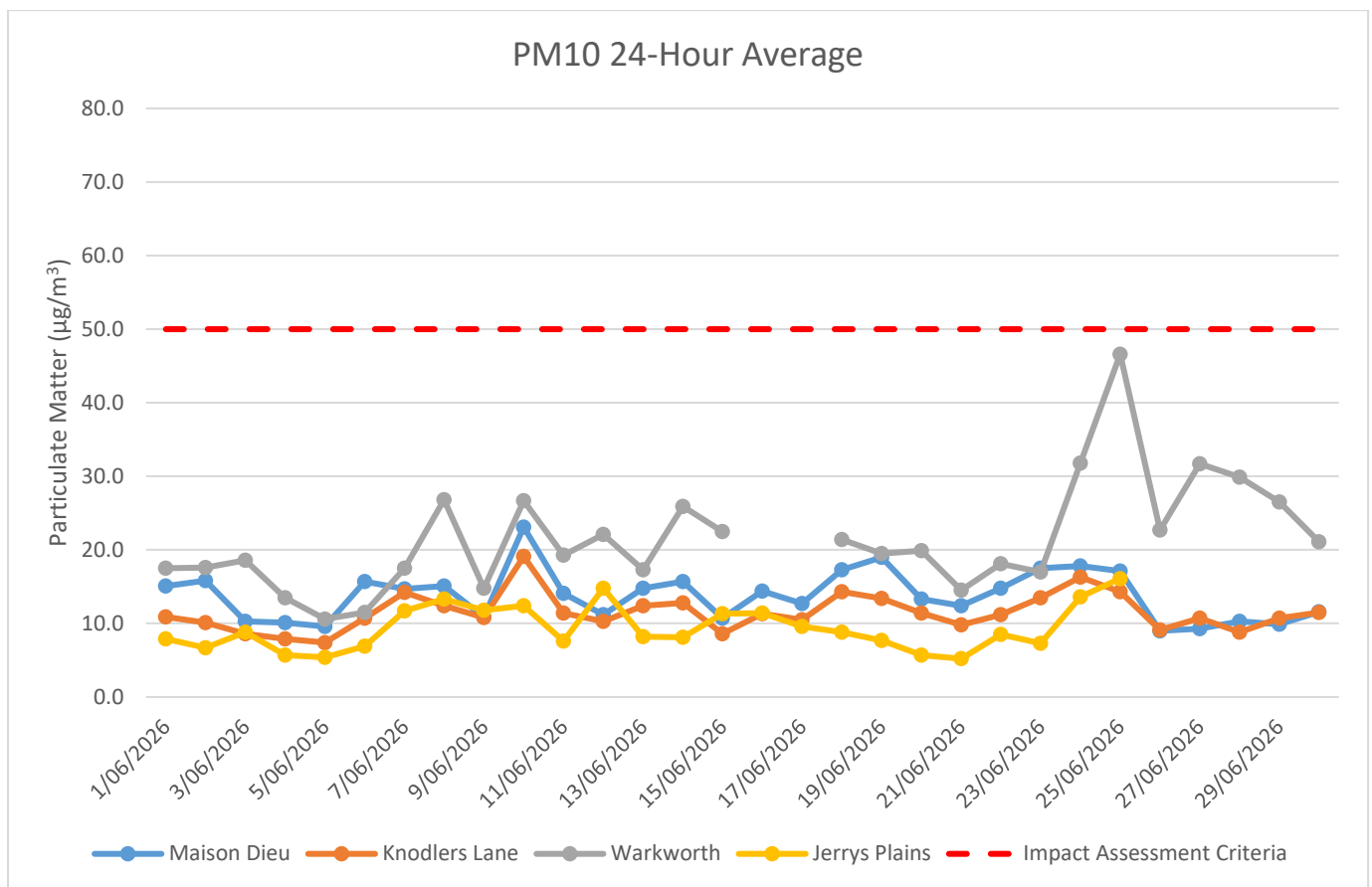


Figure 11 – Real Time PM₁₀ 24hr for the Reporting Period

Figure 12 shows the annual rolling average PM₁₀ results from the real time monitoring sites. All monitoring results were below the annual average for the relevant long-term impact assessment criteria for North and South during the reporting period, except for Warkworth.

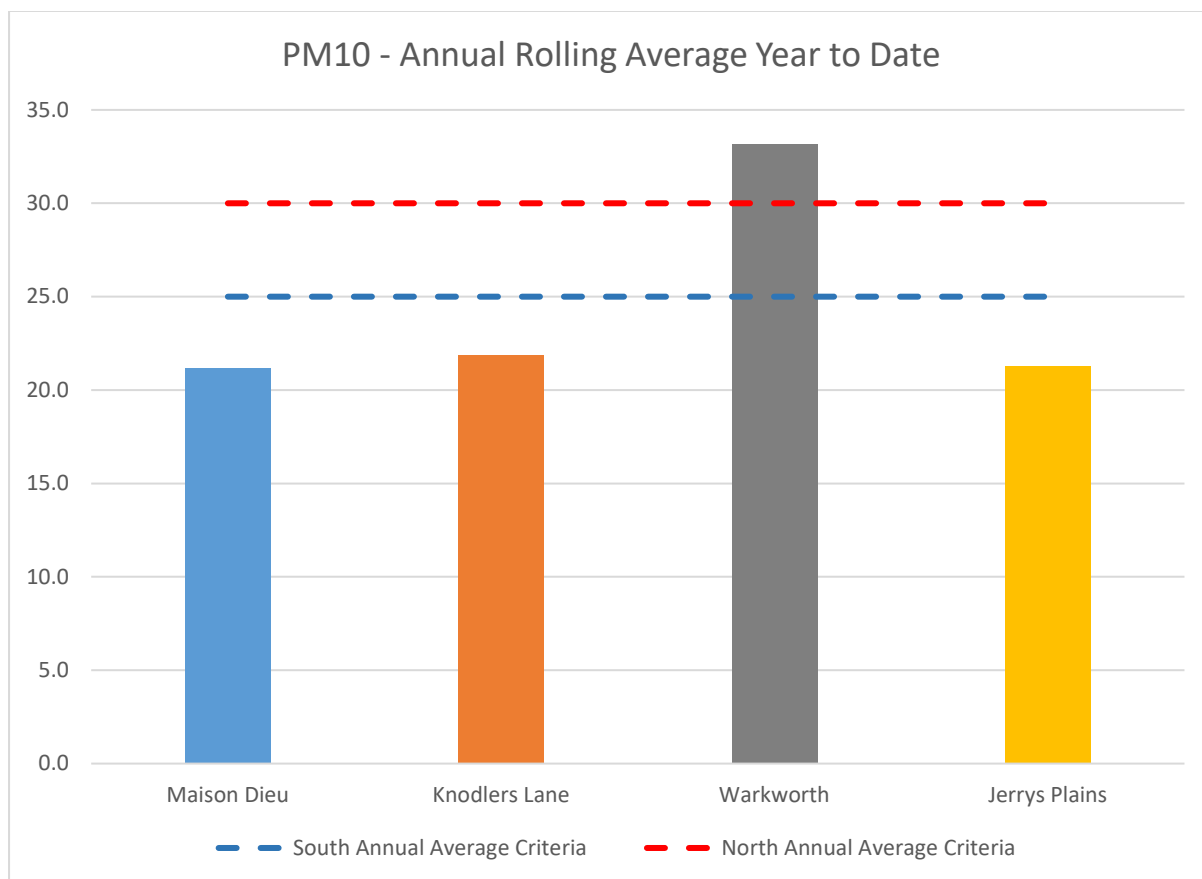
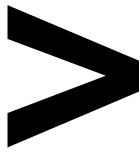


Figure 12 – Real Time PM₁₀ Annual Average for the Reporting Period

2.3.5 | REAL TIME ALARMS FOR AIR QUALITY

The real time monitoring system generated sixty-nine (69) automated air quality related alarms during the reporting period. Seventeen (17) alarms related to adverse weather conditions (wind or rain) and fifty-two (52) alarms related to dust conditions.



3 | WATER QUALITY

HVO maintains a network of surface water and groundwater monitoring sites.

3.1 | SURFACE WATER

Surface watercourses are sampled on a quarterly sampling regime. Water quality is assessed through the parameters of pH, electrical conductivity (EC), and Total Suspended Solids (TSS). The location of surface water monitoring points across HVO is shown in **Figure 13**.

Results from monitoring on site dams, the Hunter River and other natural tributaries are provided in **Figure 14 to 25**.

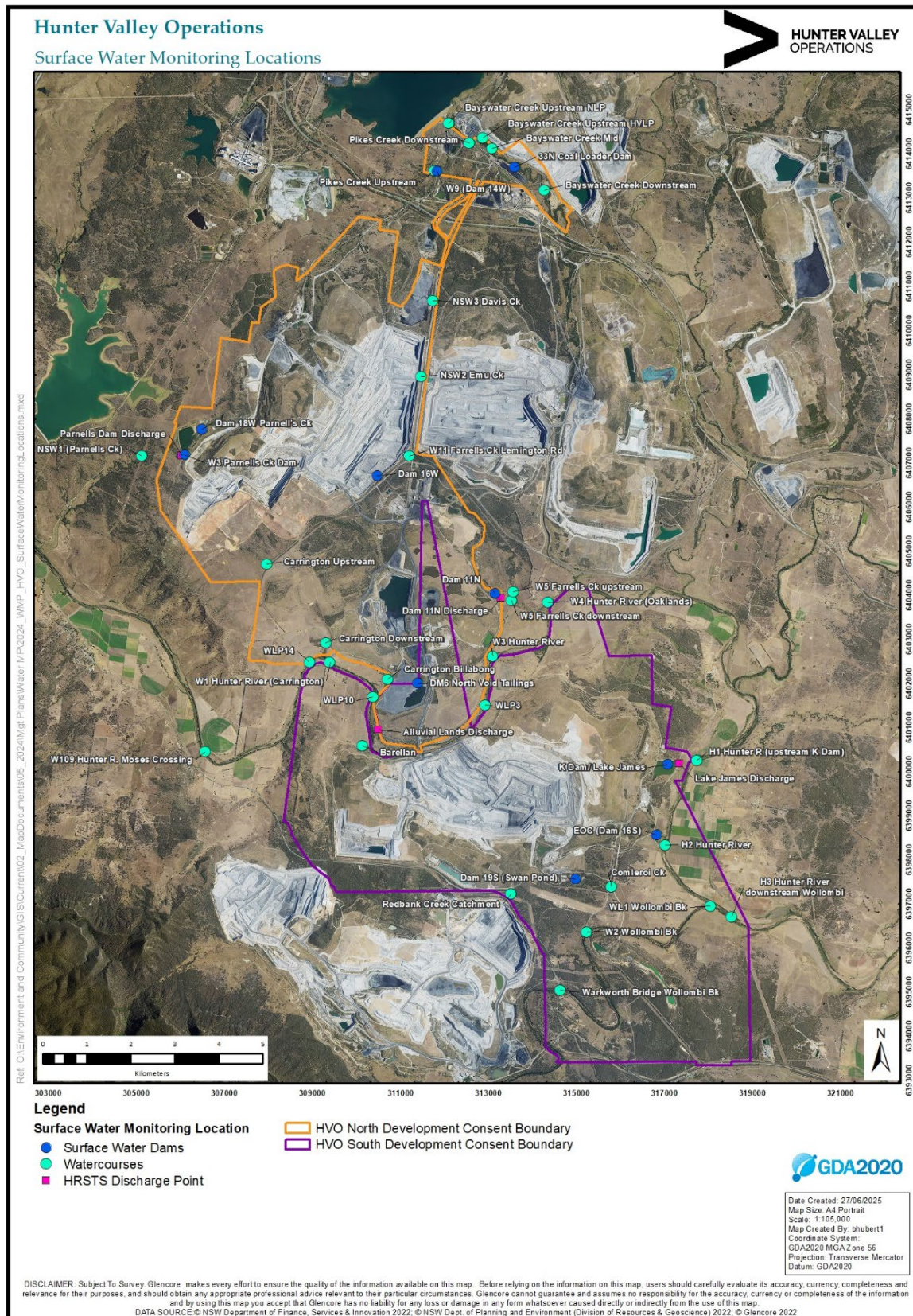
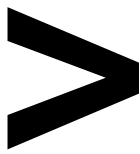


Figure 13 – HVO Surface Water Monitoring Locations

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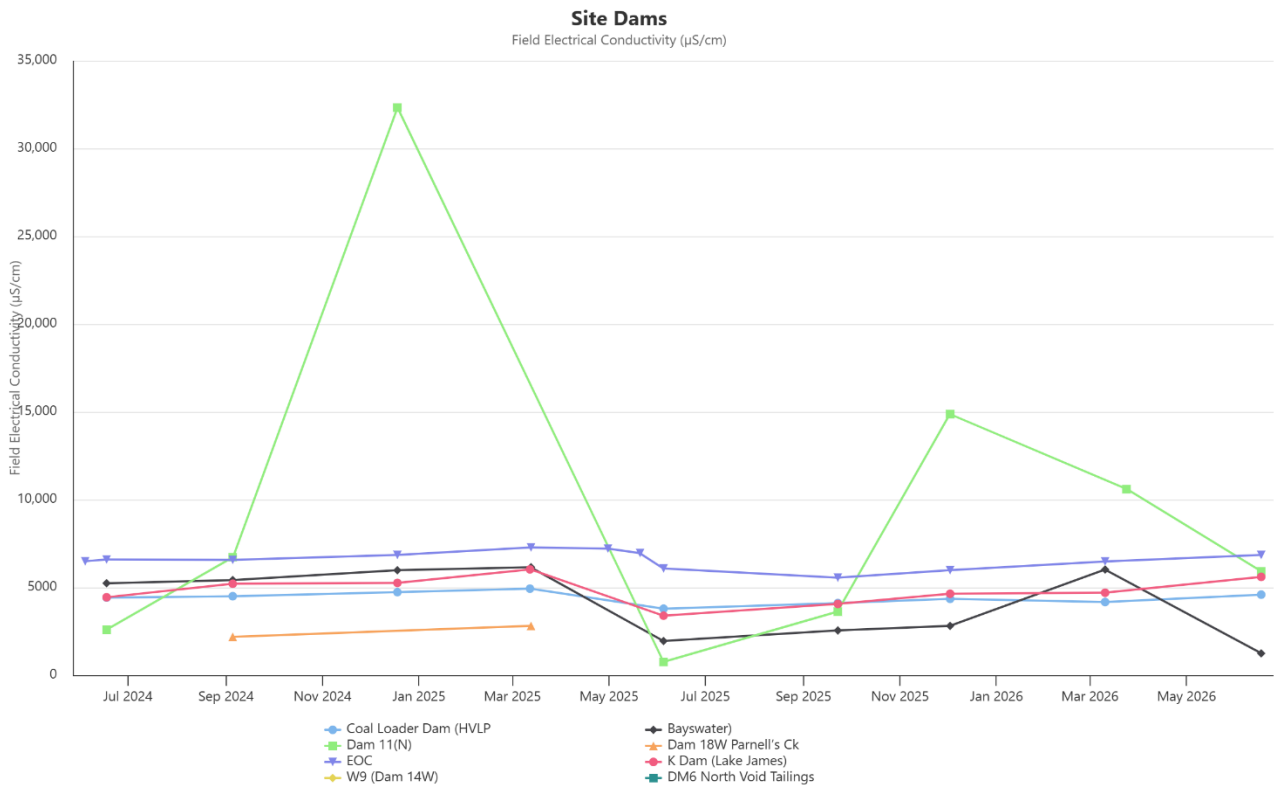
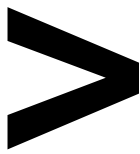


Figure 14 – Site Dams Electrical Conductivity – Q2 2026

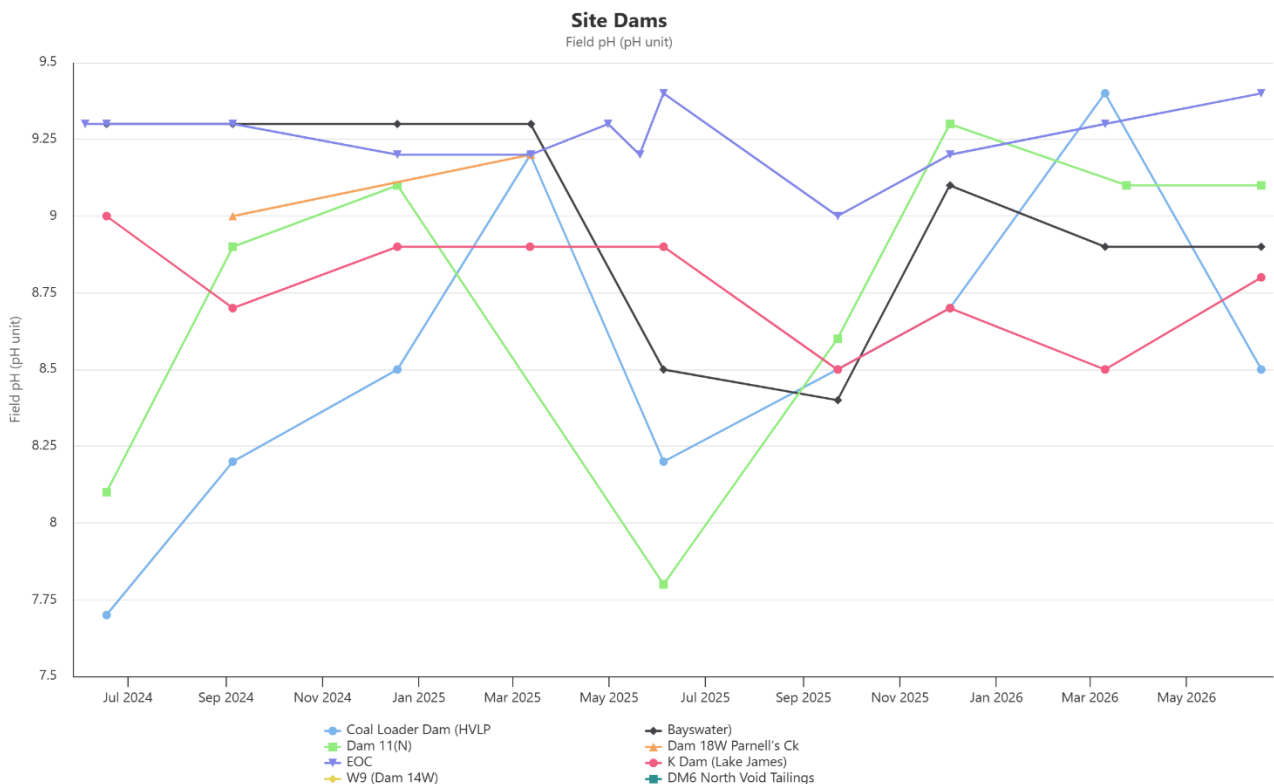


Figure 15 – Site Dams Field pH – Q2 2026

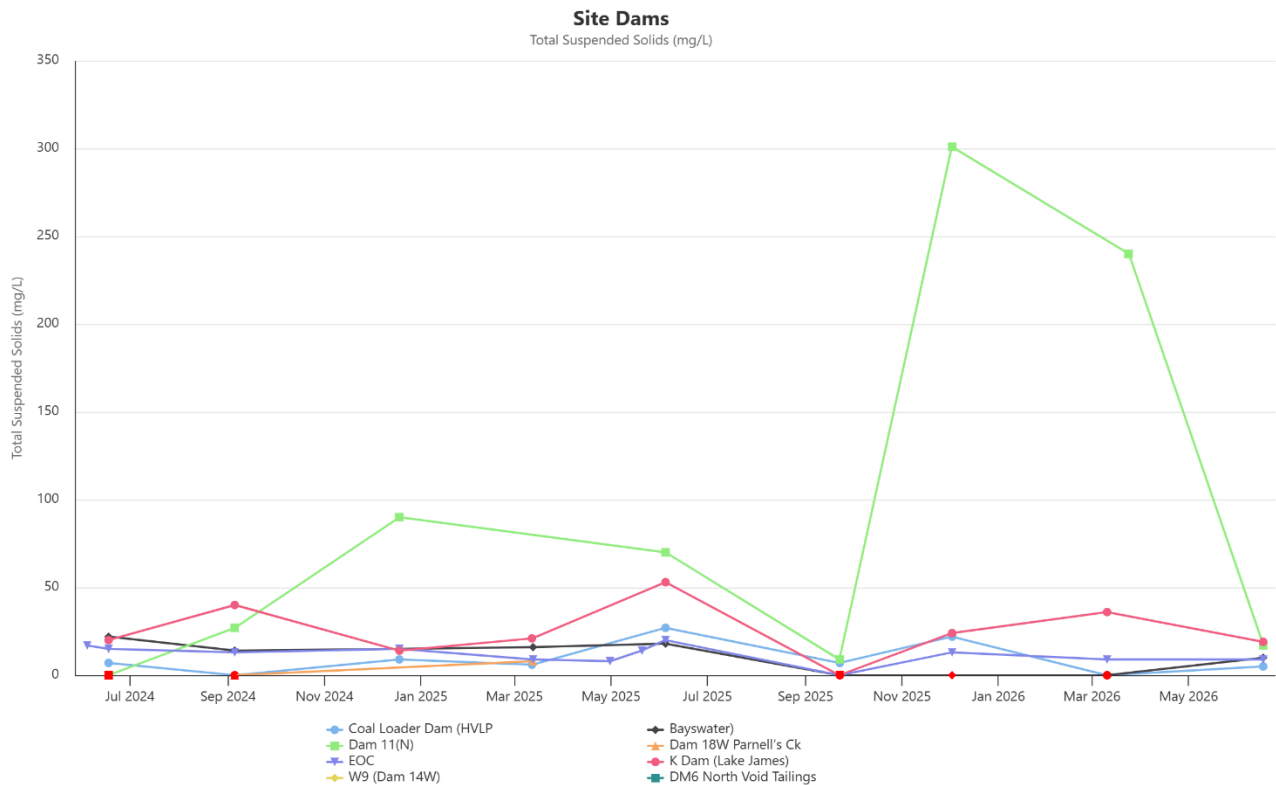
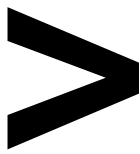


Figure 16 – Site Dams Total Suspended Solids – Q2 2026

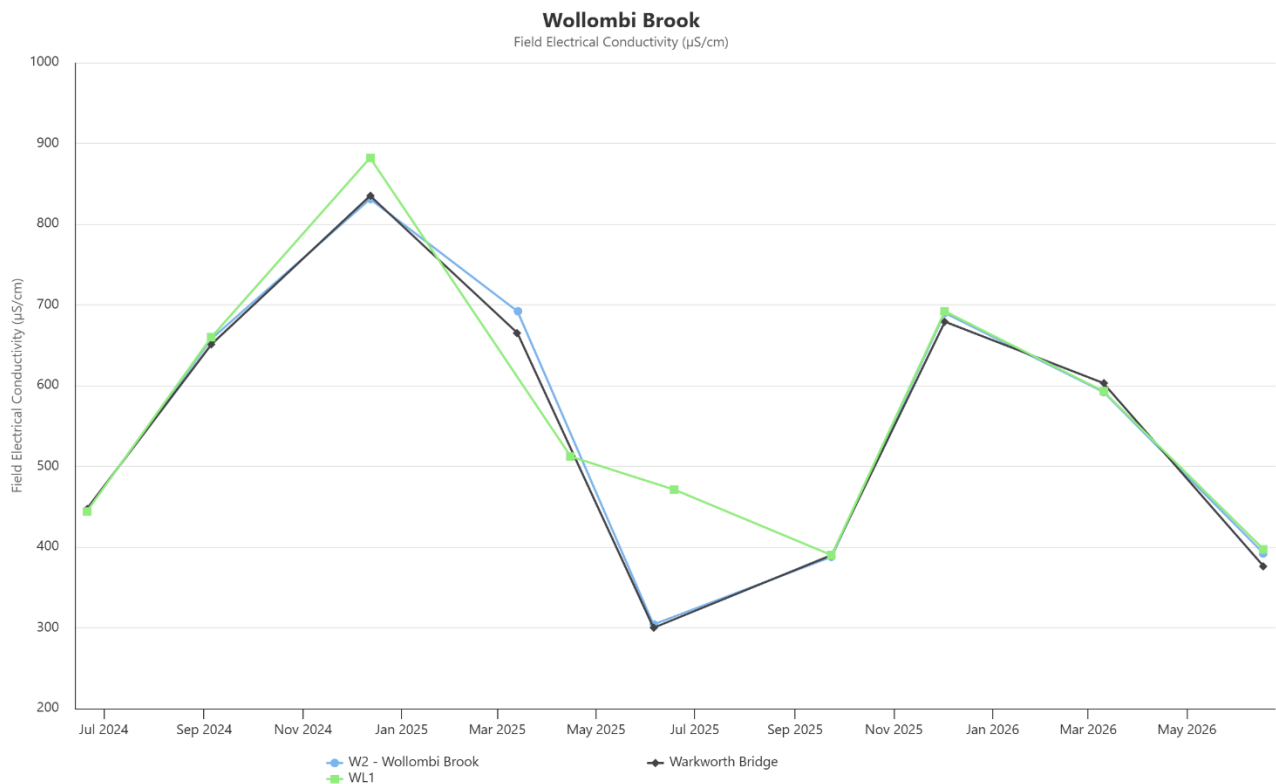


Figure 17 – Wollombi Brook Electrical Conductivity – Q2 2026

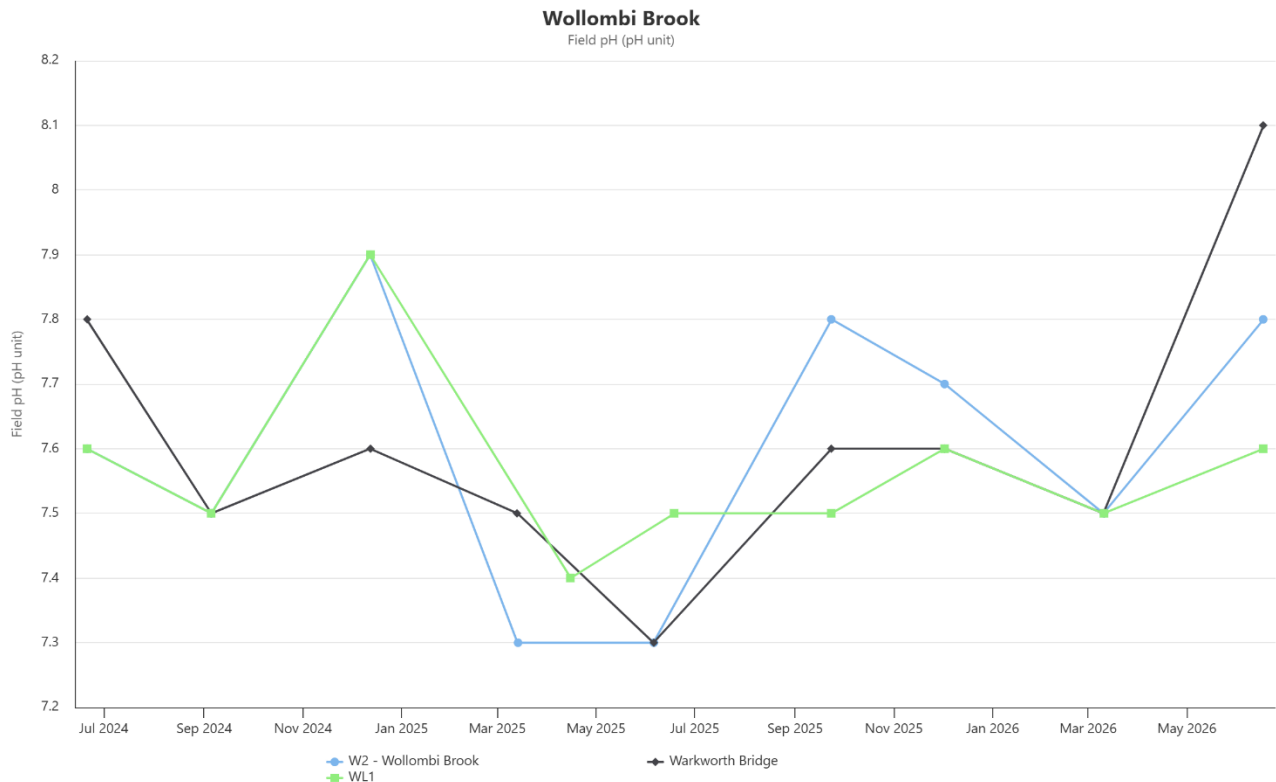
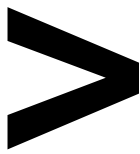


Figure 18 – Wollombi Brook Field pH – Q2 2026

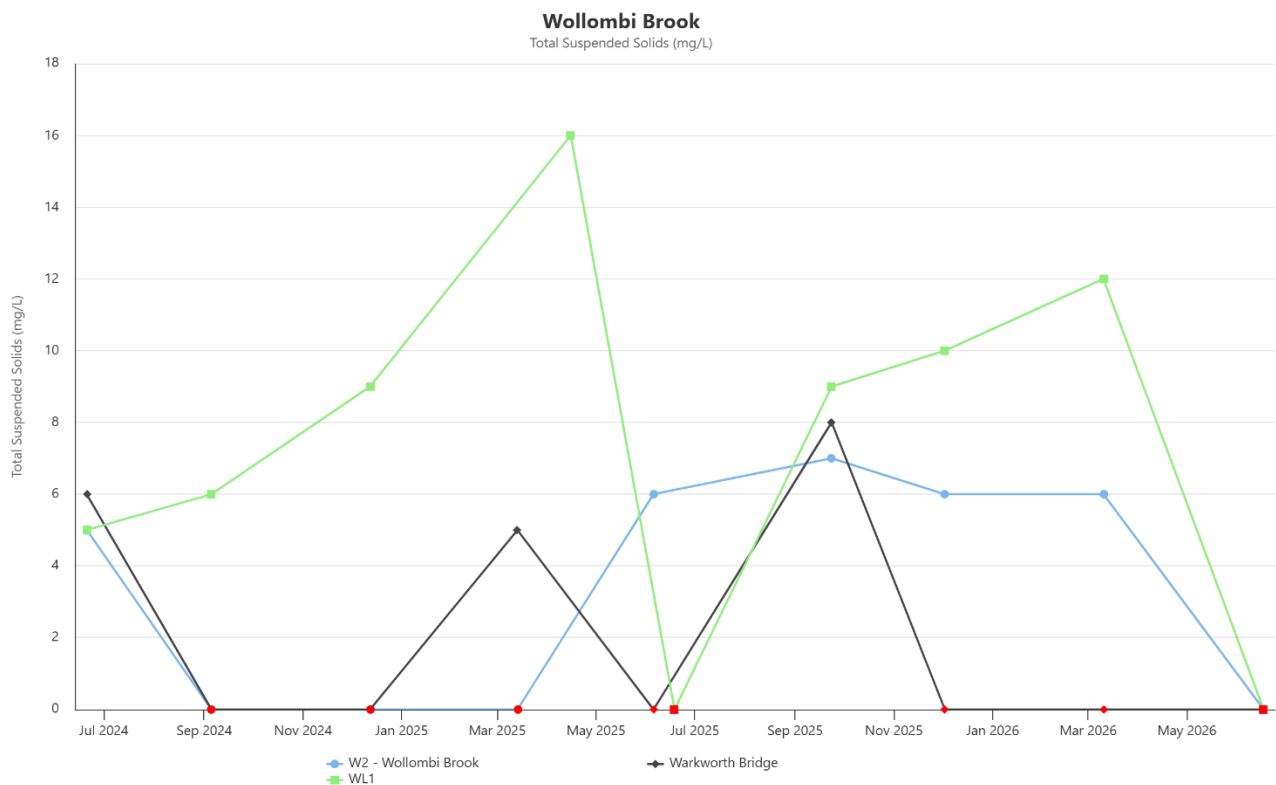


Figure 19 – Wollombi Brook Total Suspended Solids – Q2 2026

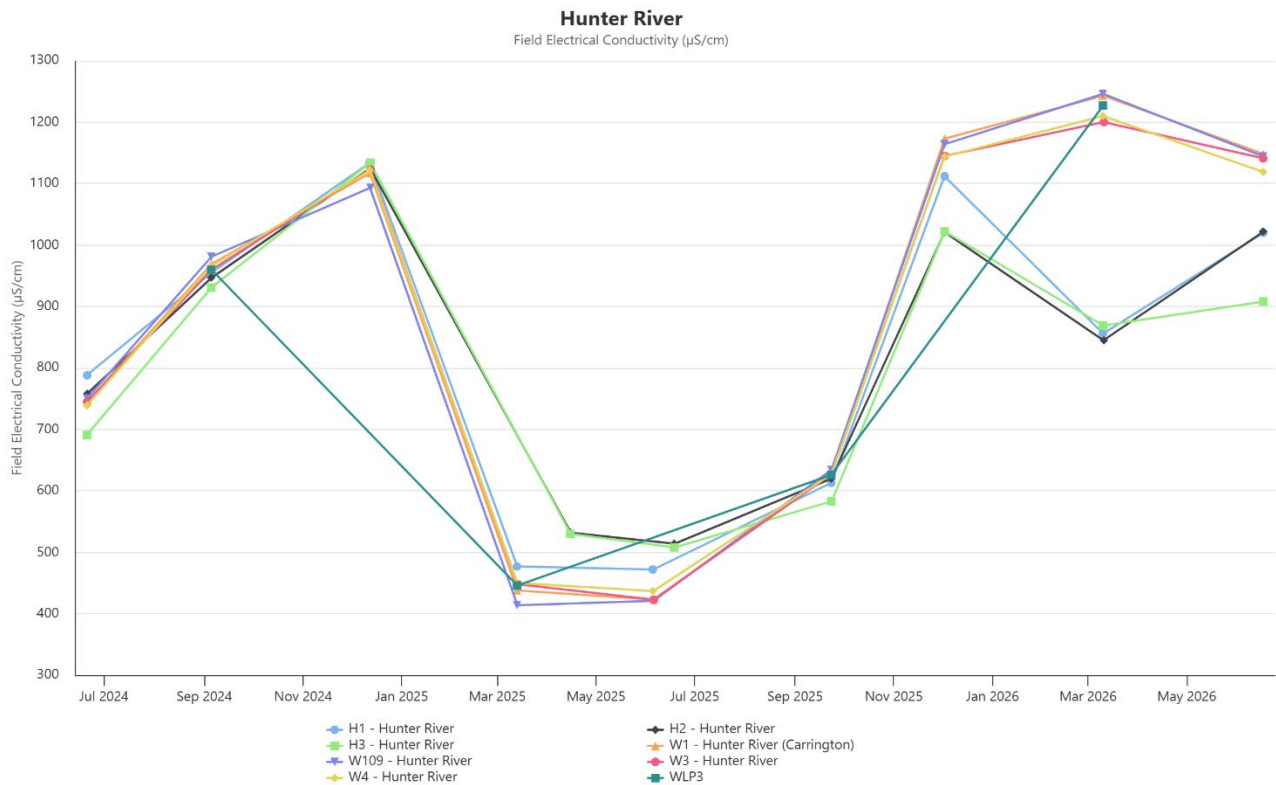
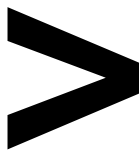


Figure 20 – Hunter River Electrical Conductivity – Q2 2026

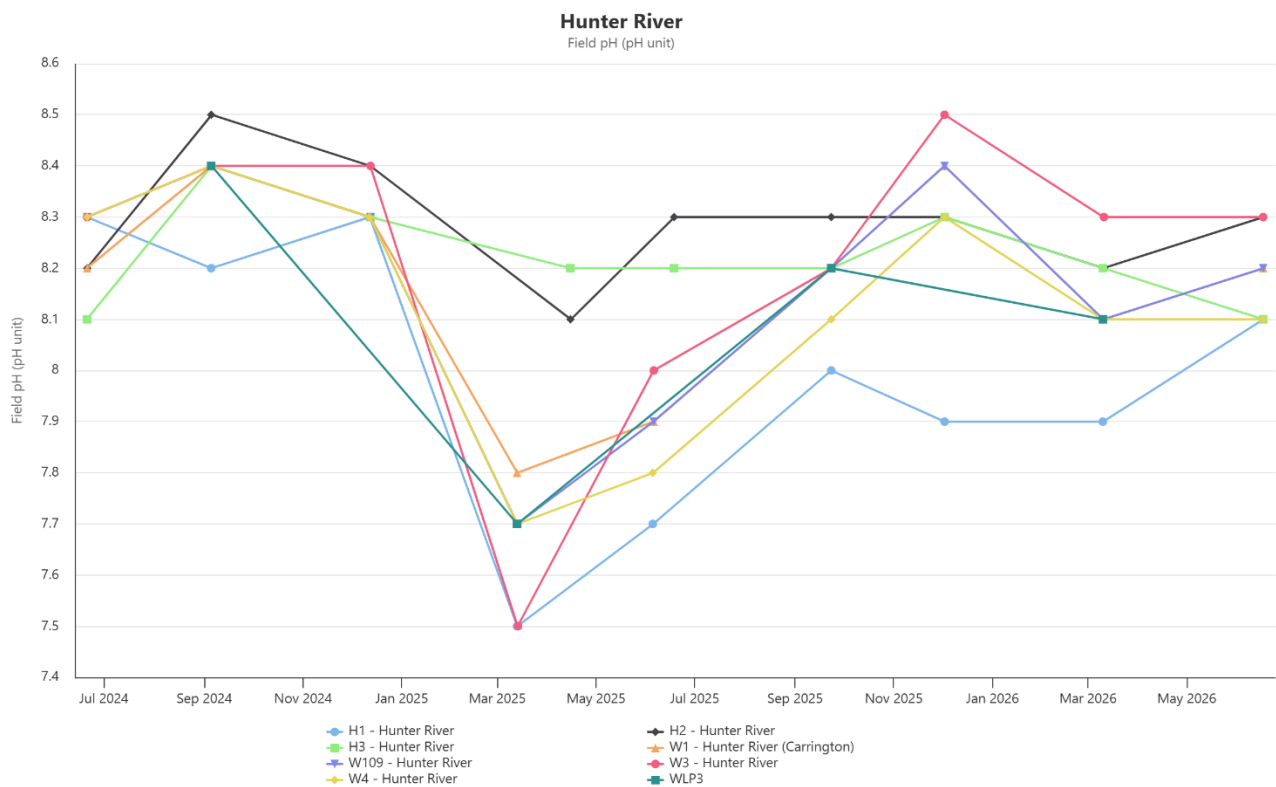


Figure 21 – Hunter River Field pH – Q2 2026

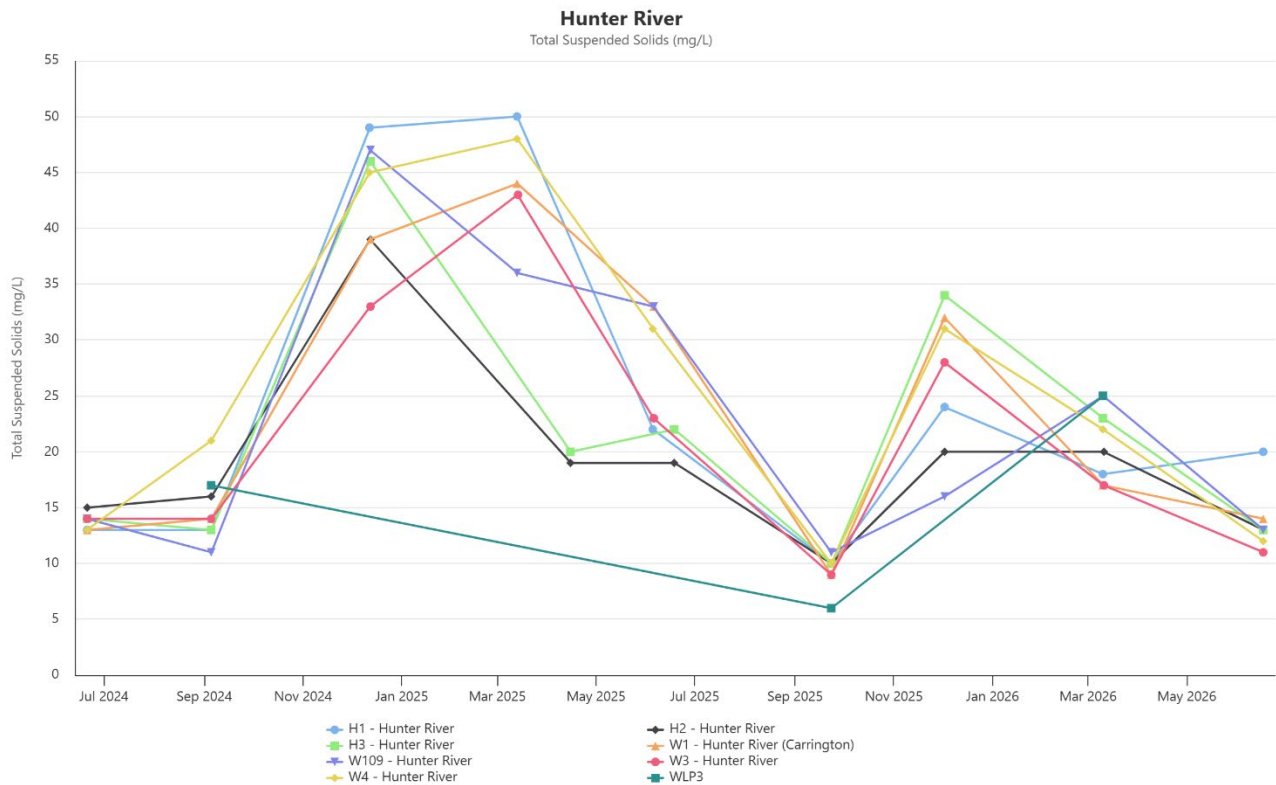
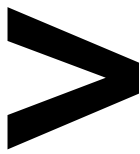


Figure 22 – Hunter River Field TSS – Q2 2026

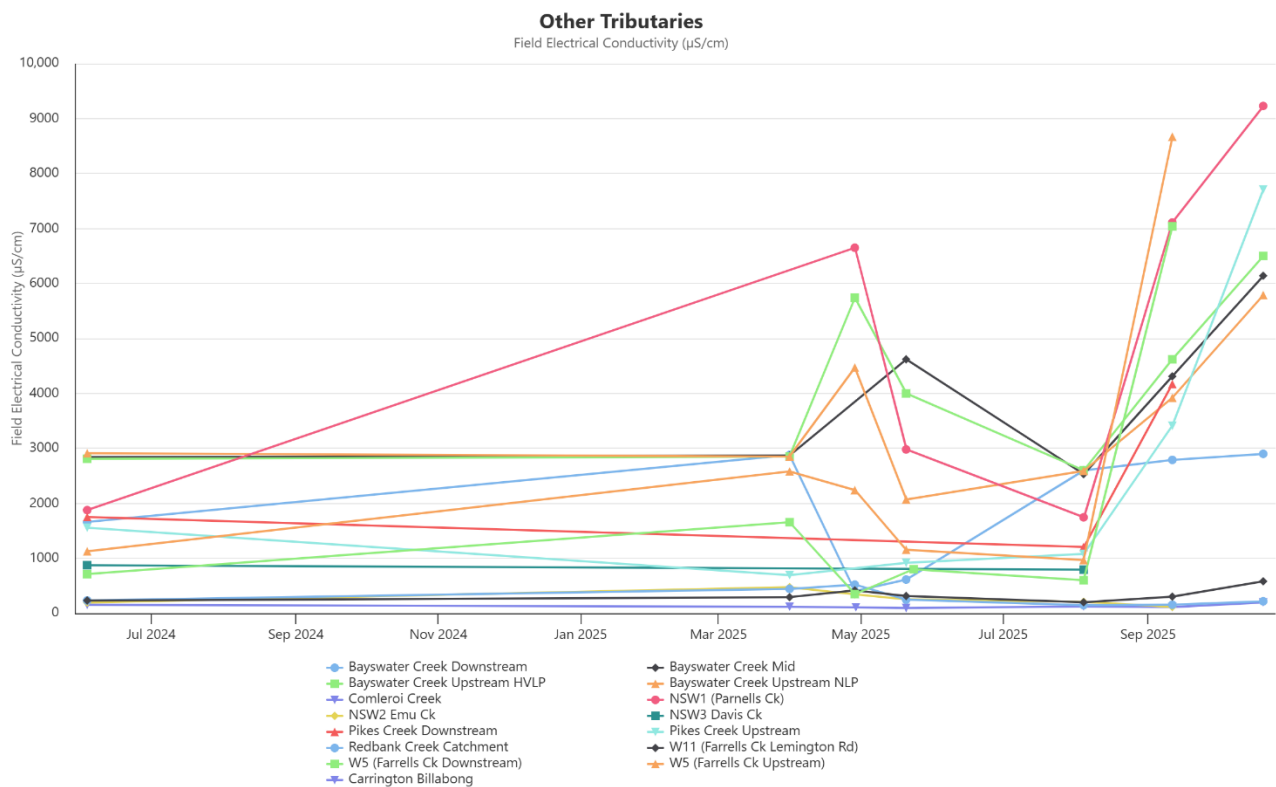


Figure 23 – Other Tributaries Electrical Conductivity – Q2 2026

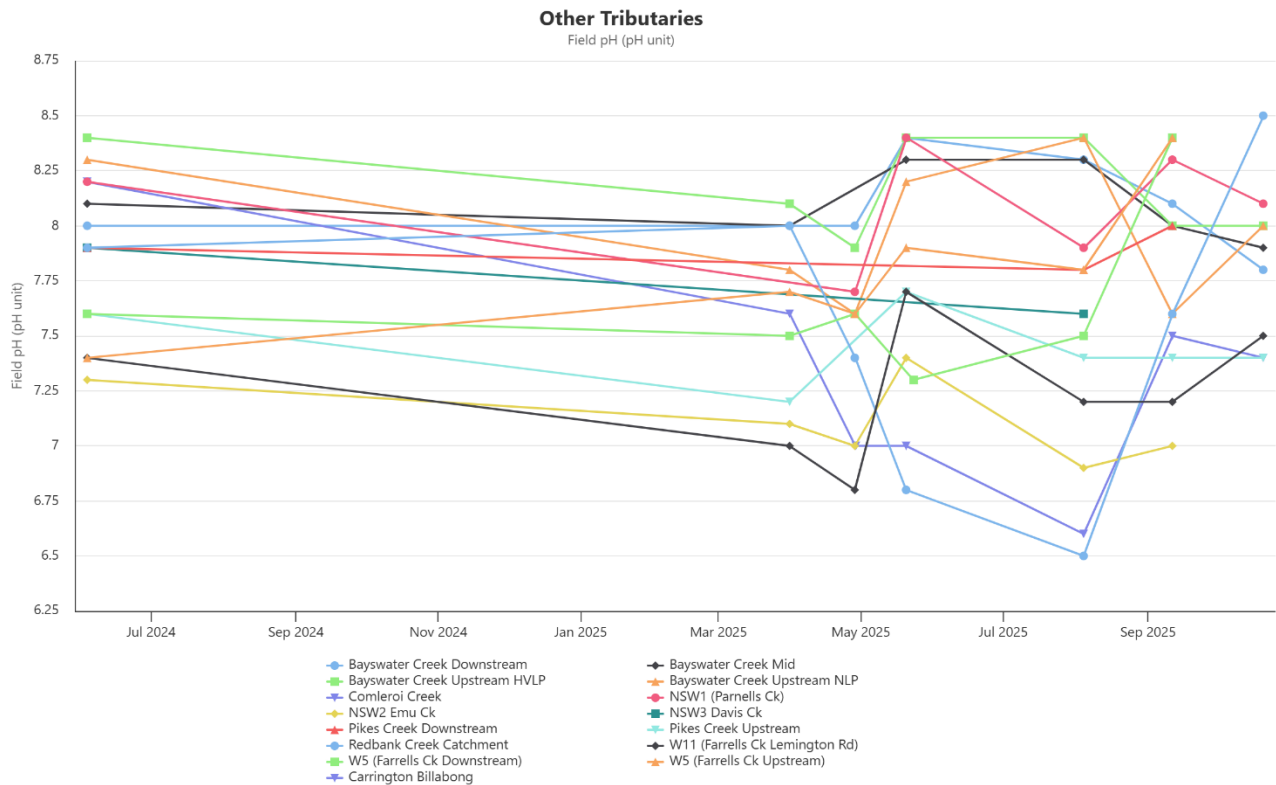
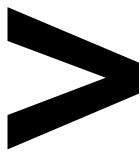


Figure 24 – Other Tributaries Field pH – Q2 2026

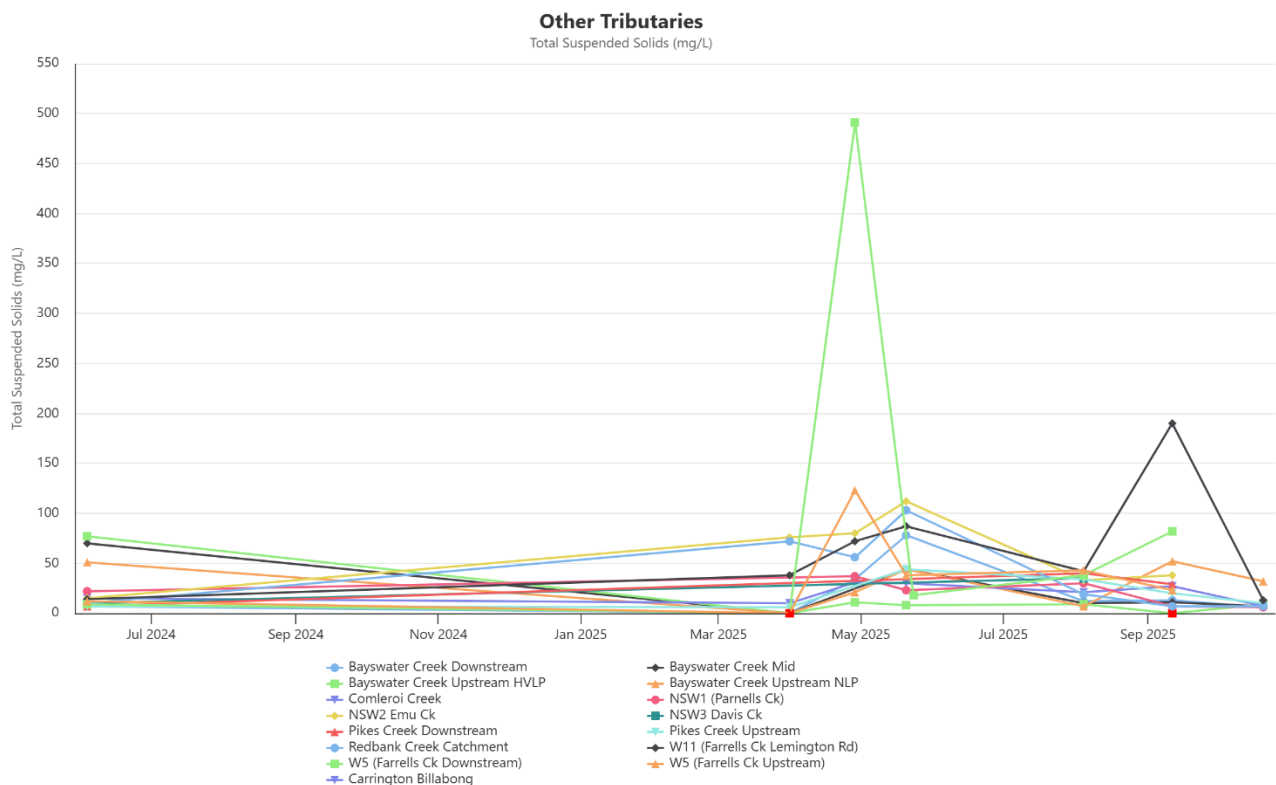
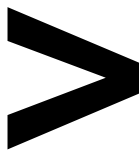


Figure 25 – Other Tributaries Total Suspended Solids – Q2 2026



3.1.1 | SURFACE WATER TRIGGER TRACKING

Internal trigger limits have been developed to assess monitoring data on an on-going basis and to highlight potentially adverse surface water impacts. The process for evaluating monitoring results against the internal triggers and subsequent responses are outlined in the HVO Water Management Plan.

There was no surface water trigger exceedance during the reporting period.

3.2 | SITE WATER USE

HVO is permitted to extract water from the Hunter River under water allocation licenses issued by Water NSW.

HVO extracted approximately 419.1 ML from the Hunter River during the reporting period.

3.3 | HRSTS DISCHARGE

HVO participates in the Hunter River Salinity Trading Scheme (HRSTS), allowing discharge from licensed discharge points Dam 11N (to Farrell's Creek), Lake James (to the Hunter River) and Parnell's Dam (to Parnell's Creek). Discharges can only take place subject to HRSTS regulations.

Under the HRSTS, HVO did not discharge during the reporting period.

3.4 | GROUNDWATER MONITORING RESULTS

Groundwater monitoring is undertaken on a quarterly basis in accordance with the HVO Water Management Plan and Groundwater Monitoring Programme. The location of groundwater monitoring points across HVO are show in **Figure 26**.

Groundwater monitoring results are provided in **Figure 27 to Figure 71**.

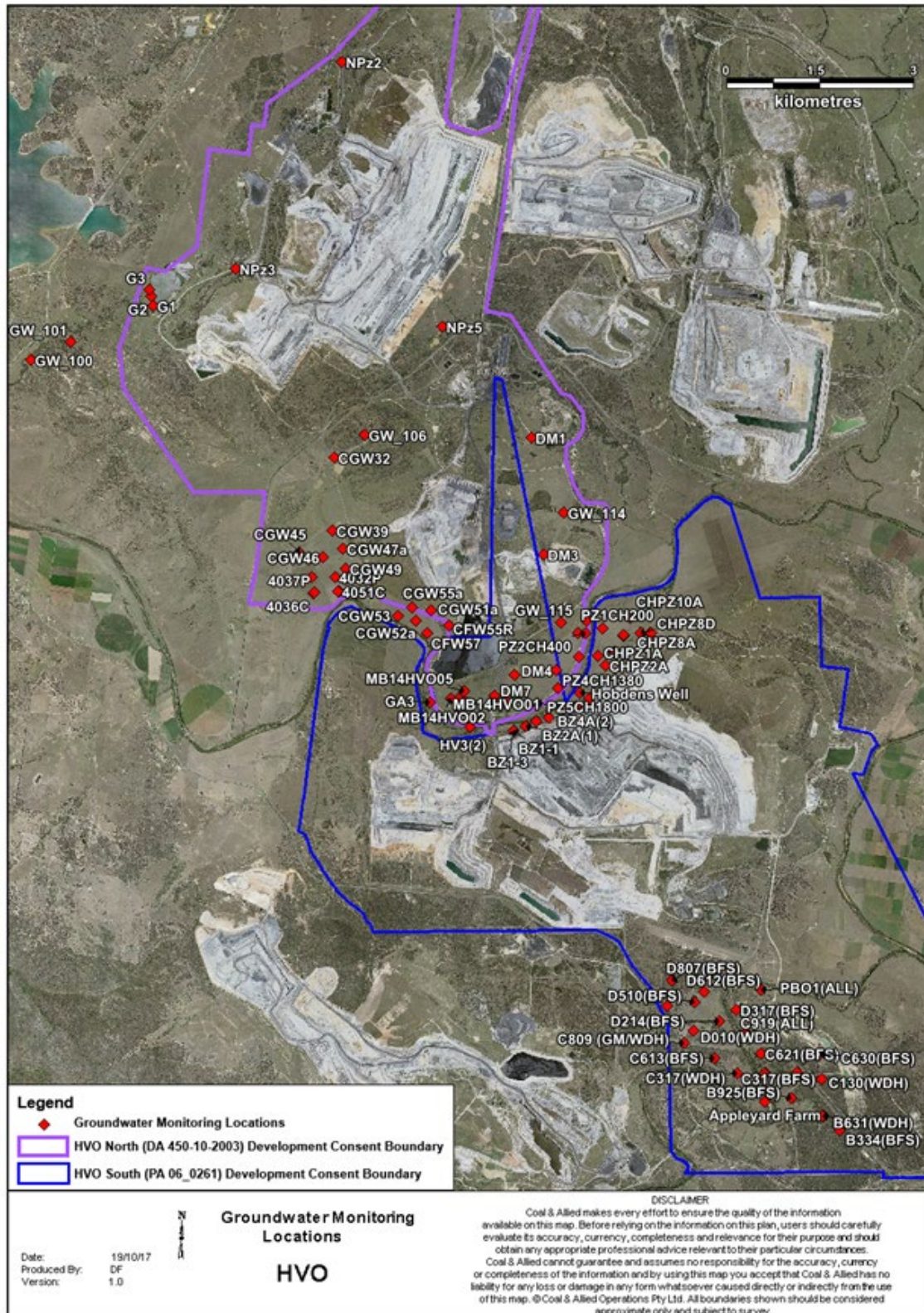
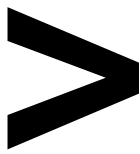


Figure 26 – Groundwater Monitoring Locations at HVO

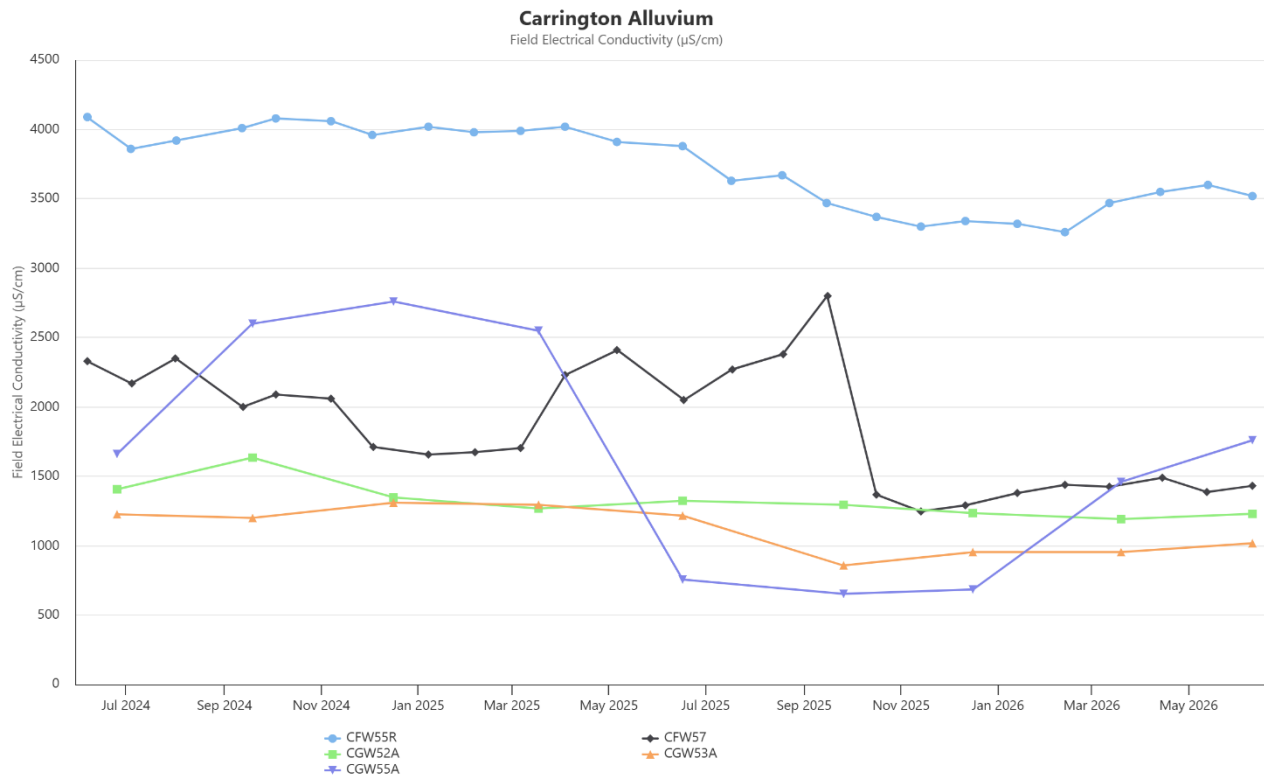
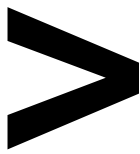


Figure 27 – Carrington Alluvium Electrical Conductivity Trend – Q2 2026

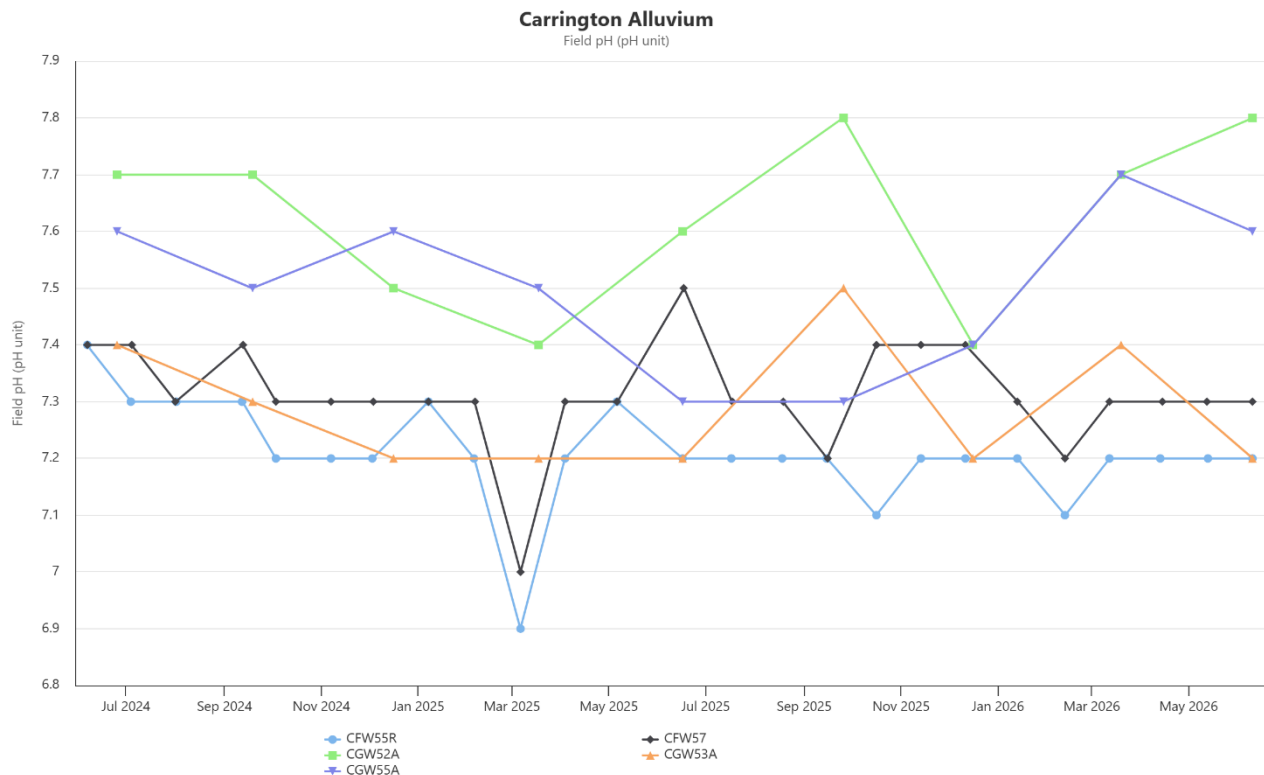


Figure 28 – Carrington Alluvium Field pH Trend – Q2 2026

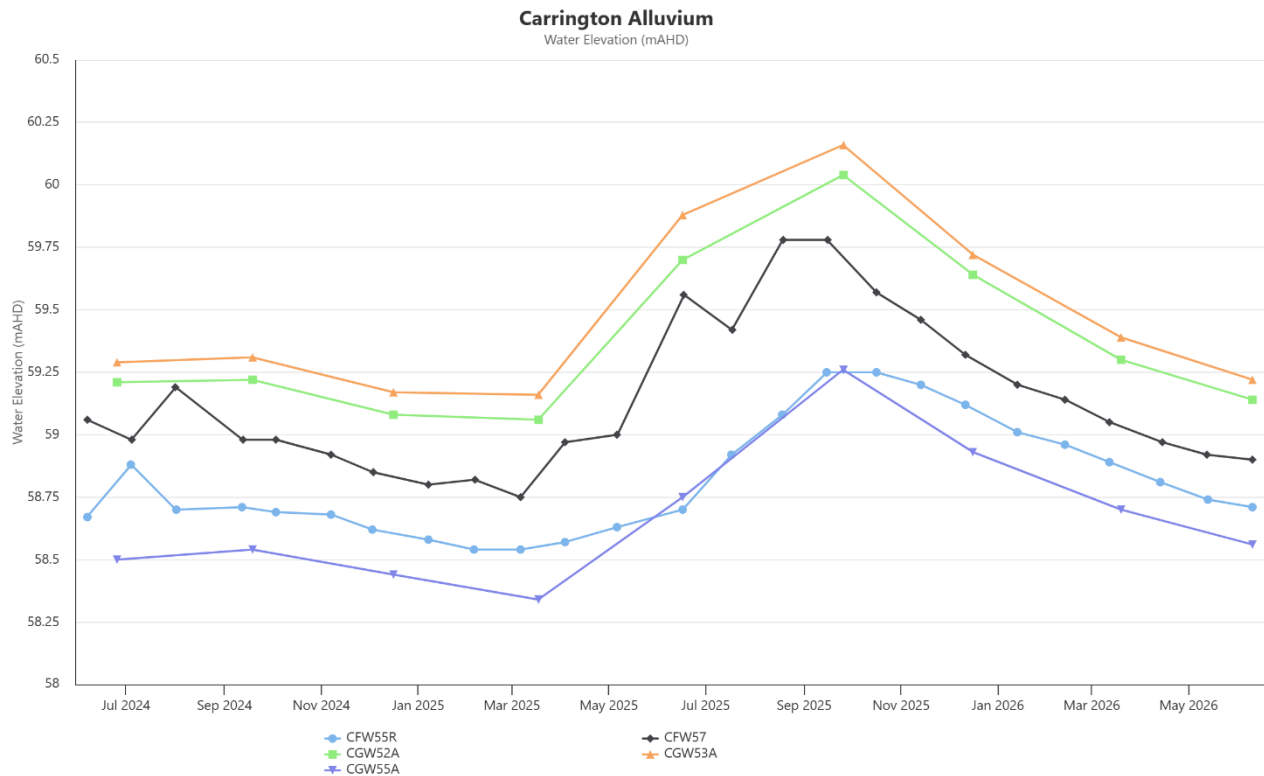
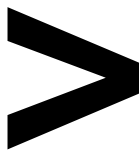


Figure 29 – Carrington Alluvium Water Elevation Trend – Q2 2026

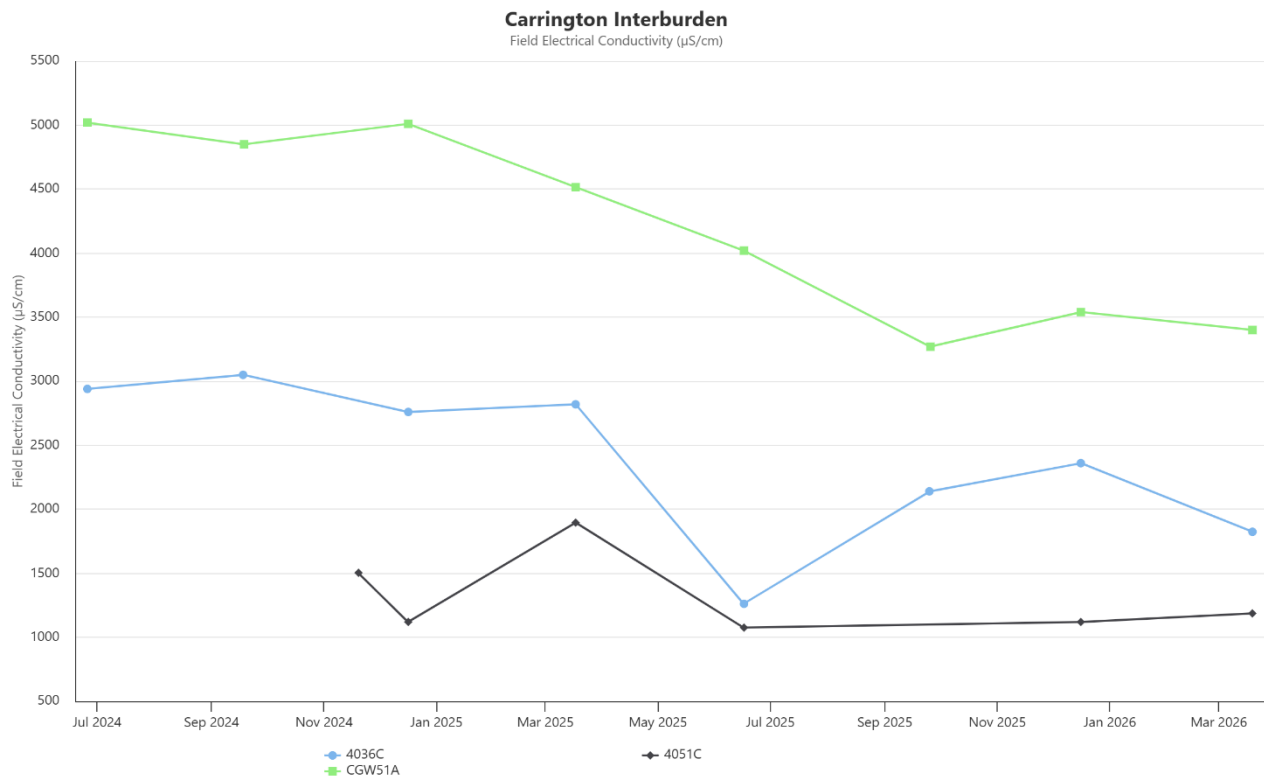


Figure 30 – Carrington Interburden Electrical Conductivity Trend – Q2 2026

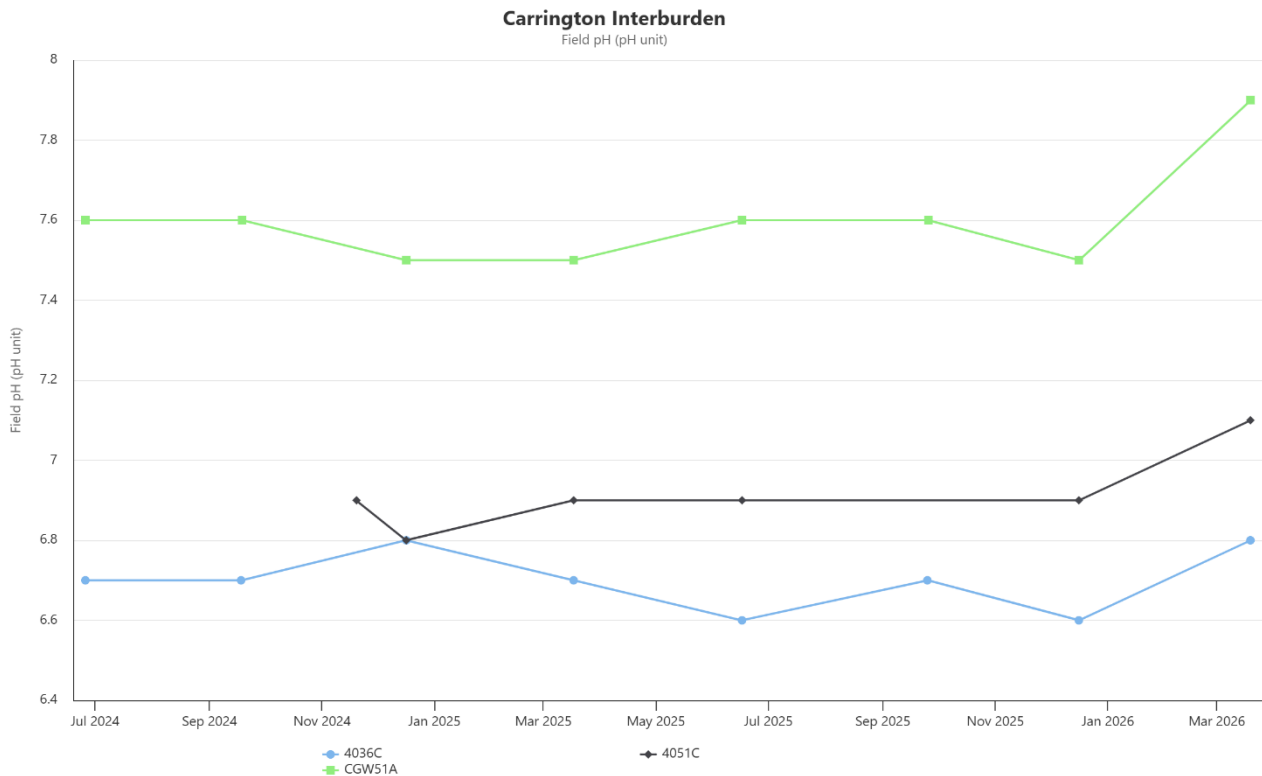
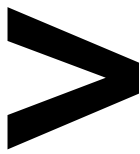


Figure 31 – Carrington Interburden Field pH Trend – Q2 2026

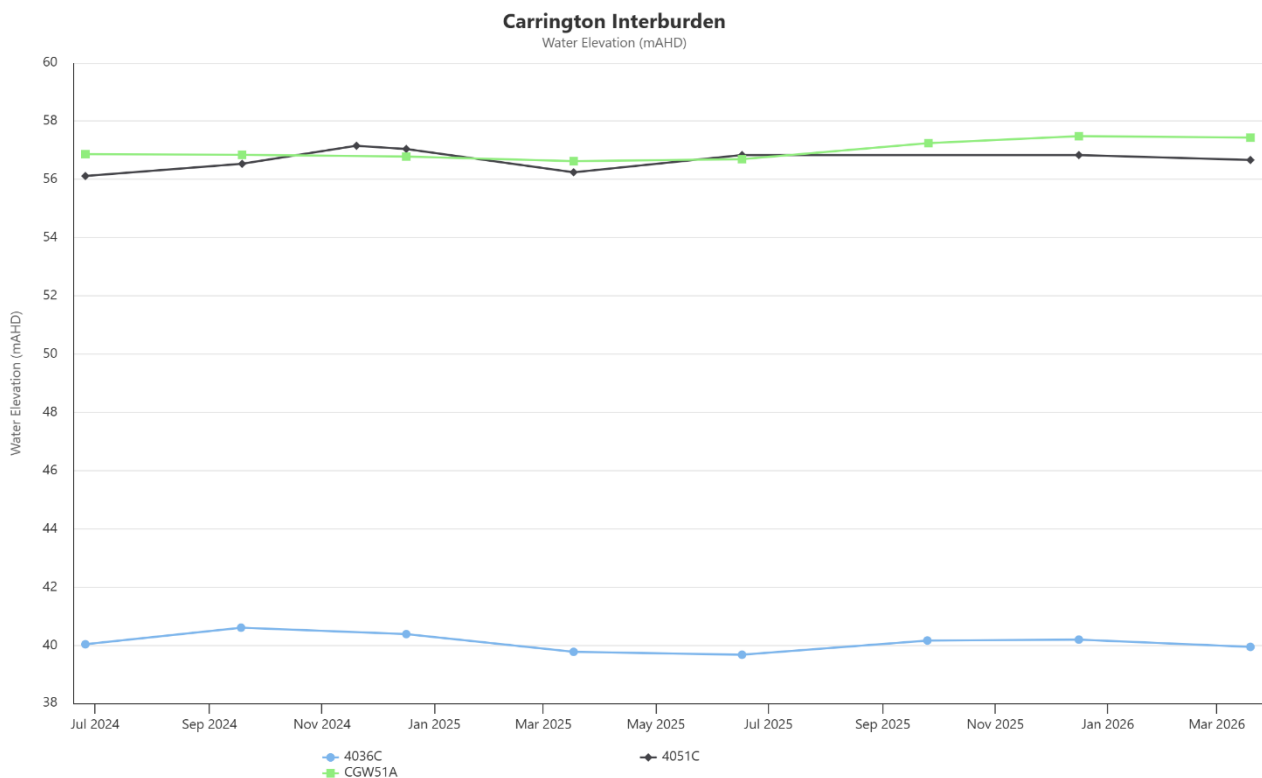


Figure 32 – Carrington Interburden Water Elevation Trend – Q2 2026

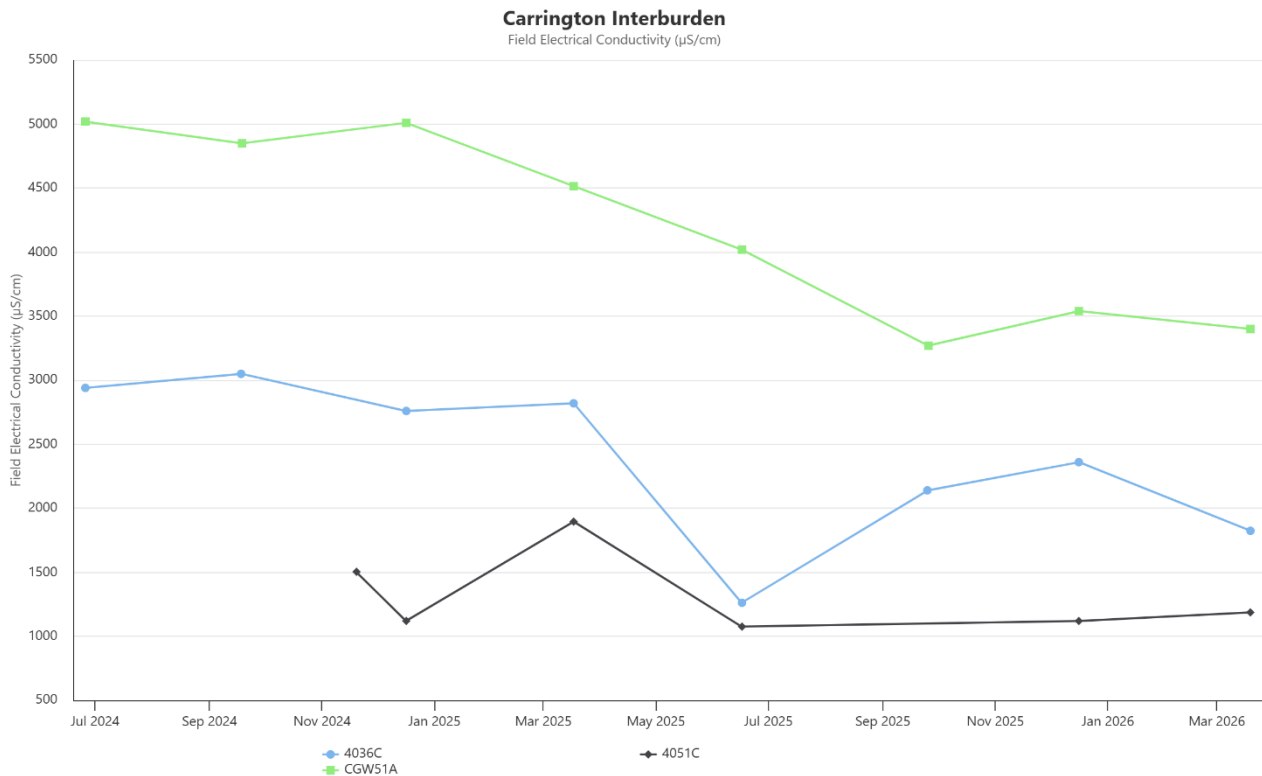
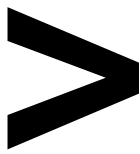


Figure 33 – Cheshunt Interburden Electrical Conductivity Trend – Q2 2026

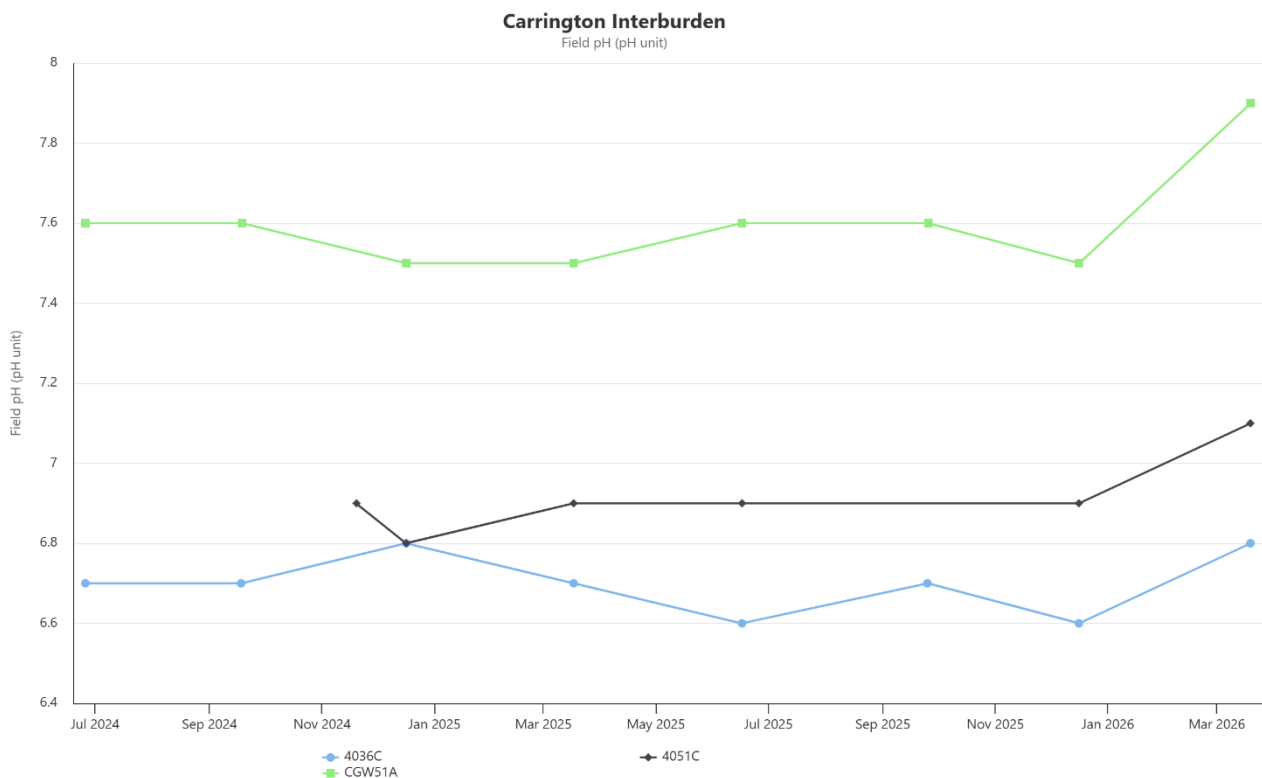


Figure 34 – Cheshunt Interburden Field pH Trend – Q2 2026

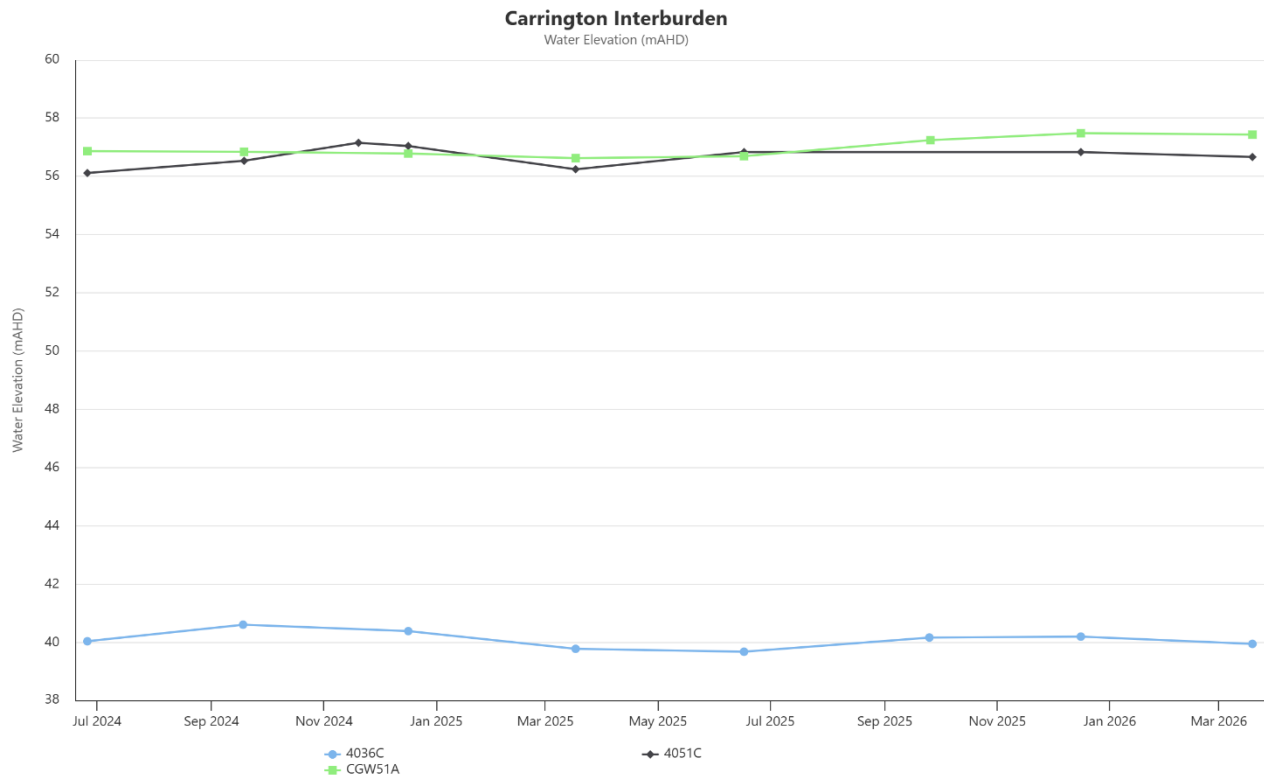
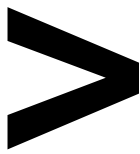


Figure 35 – Cheshunt Interburden Water Elevation Trend – Q2 2026

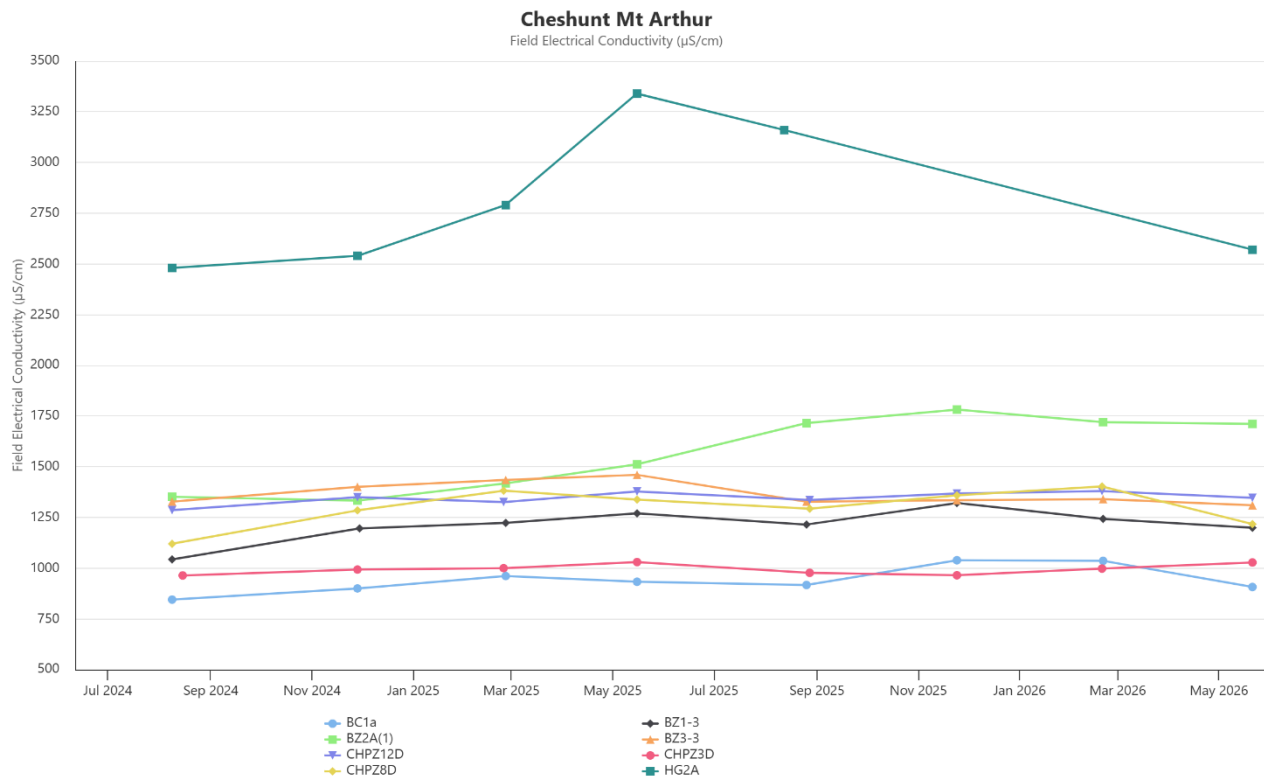


Figure 36 – Cheshunt Mt Arthur Electrical Conductivity Trend – Q2 2026

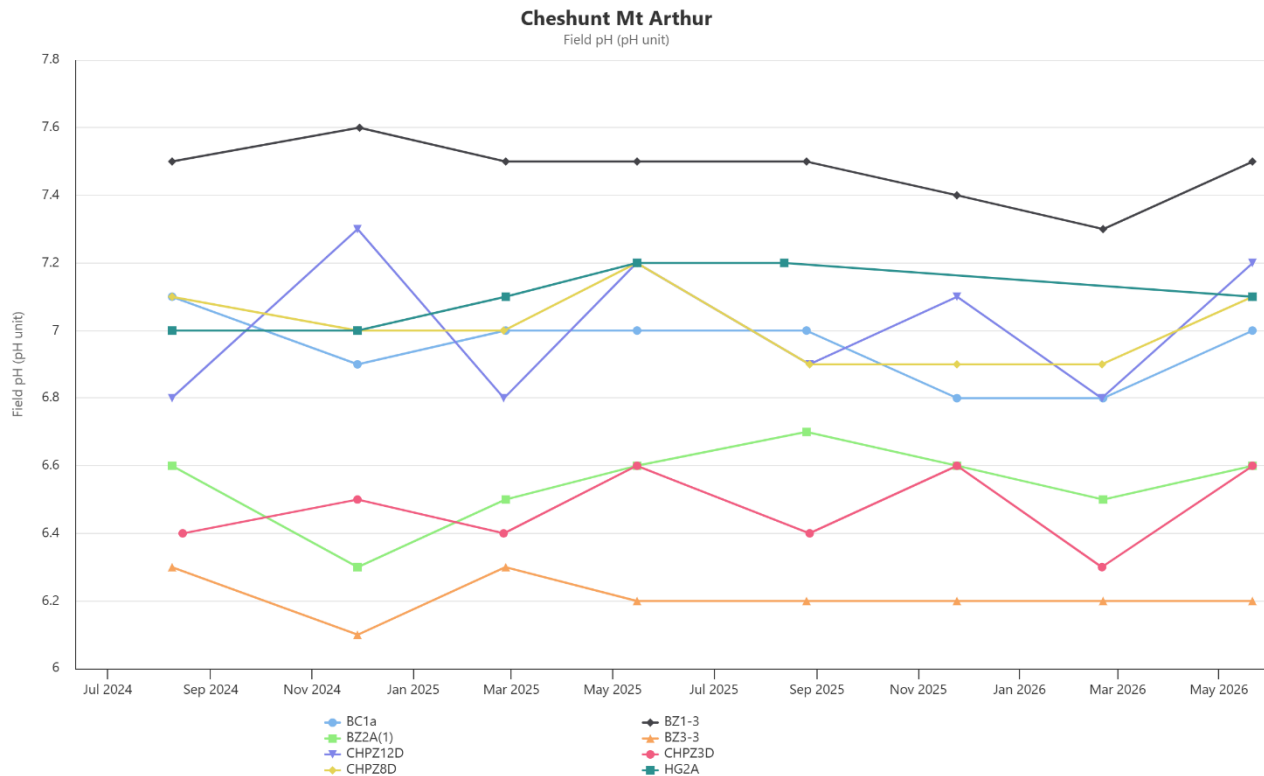
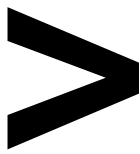


Figure 37 – Cheshunt Mt Arthur Field pH Trend – Q2 2026

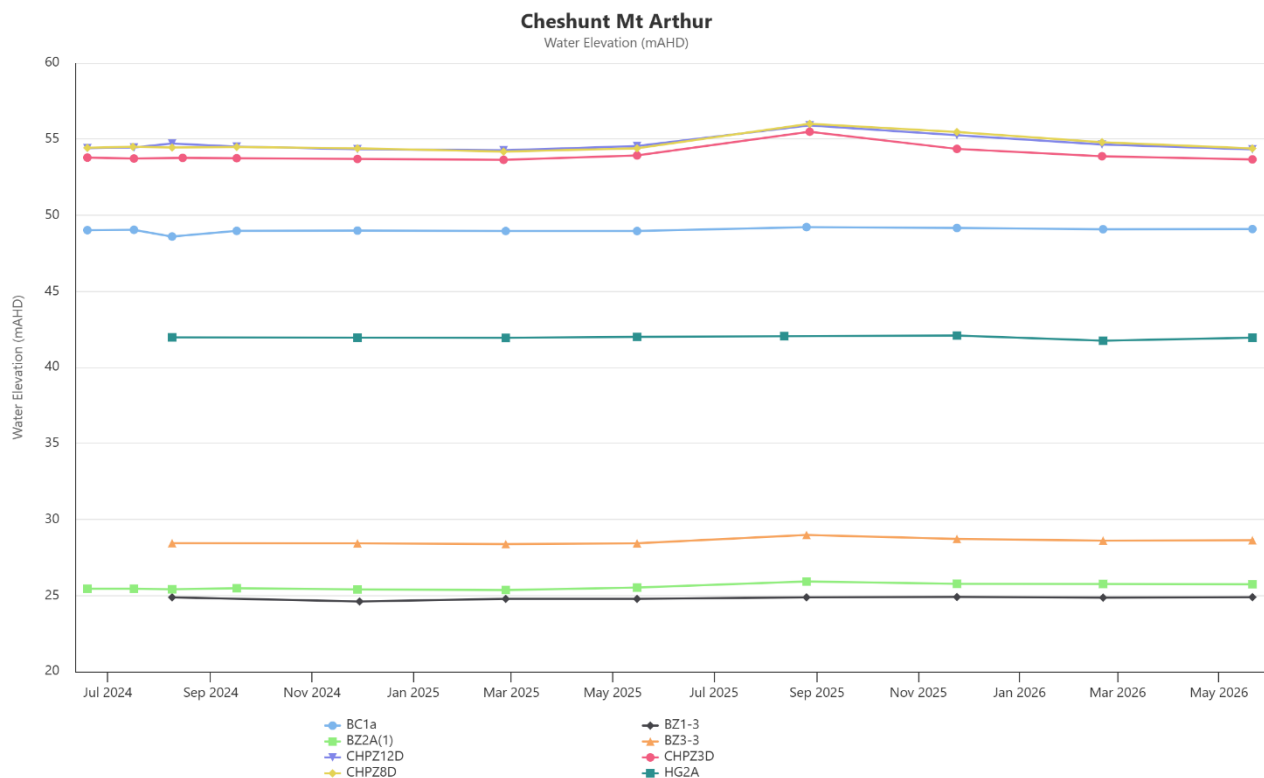


Figure 38 – Cheshunt Mt Arthur Water Elevation Trend – Q2 2026

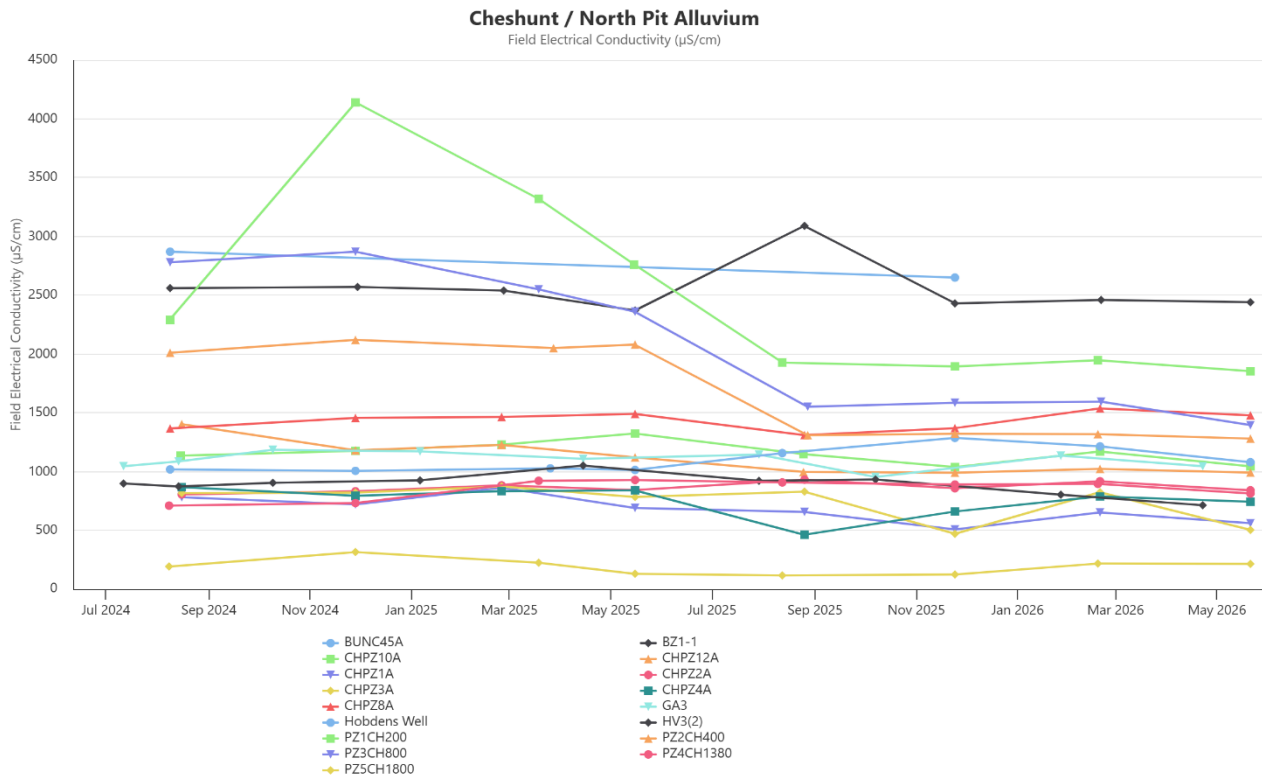
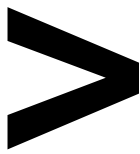


Figure 39 – Cheshunt North Pit Alluvium Electrical Conductivity Trend – Q2 2026

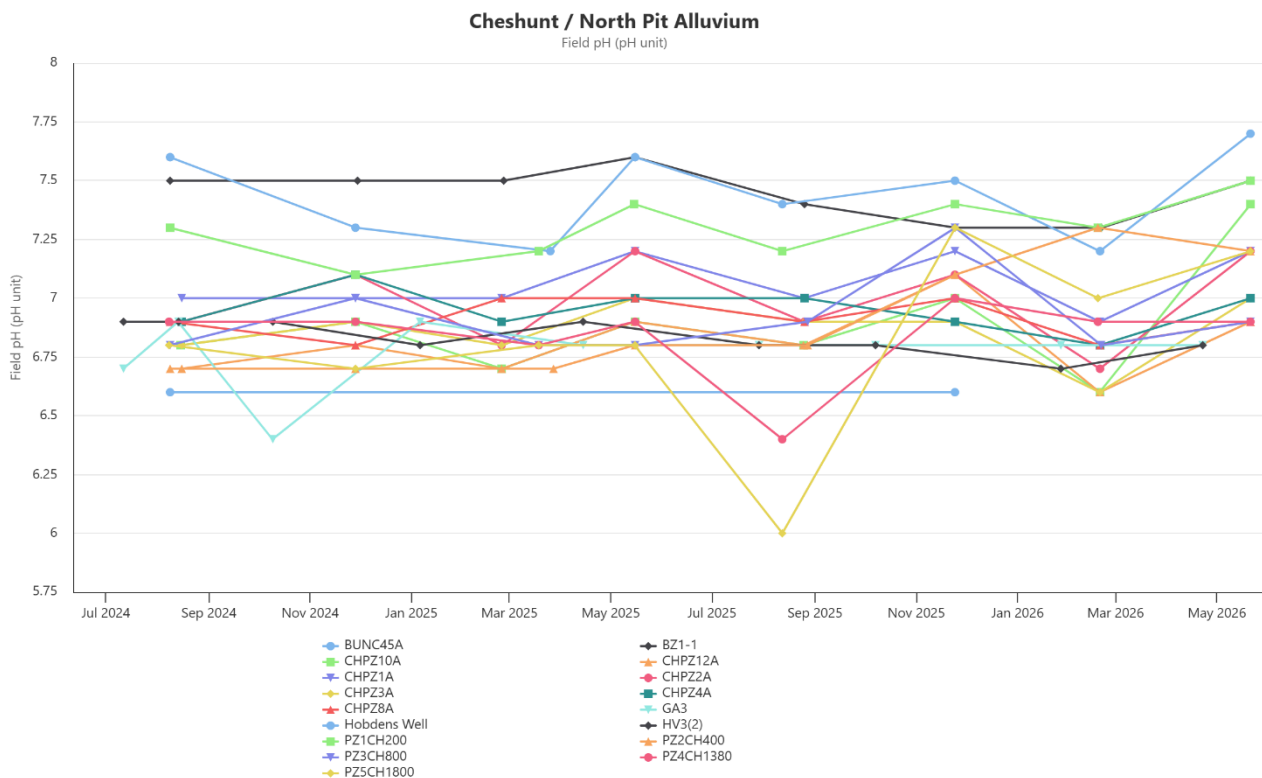


Figure 40 – Cheshunt North Pit Alluvium Field pH Trend – Q2 2026

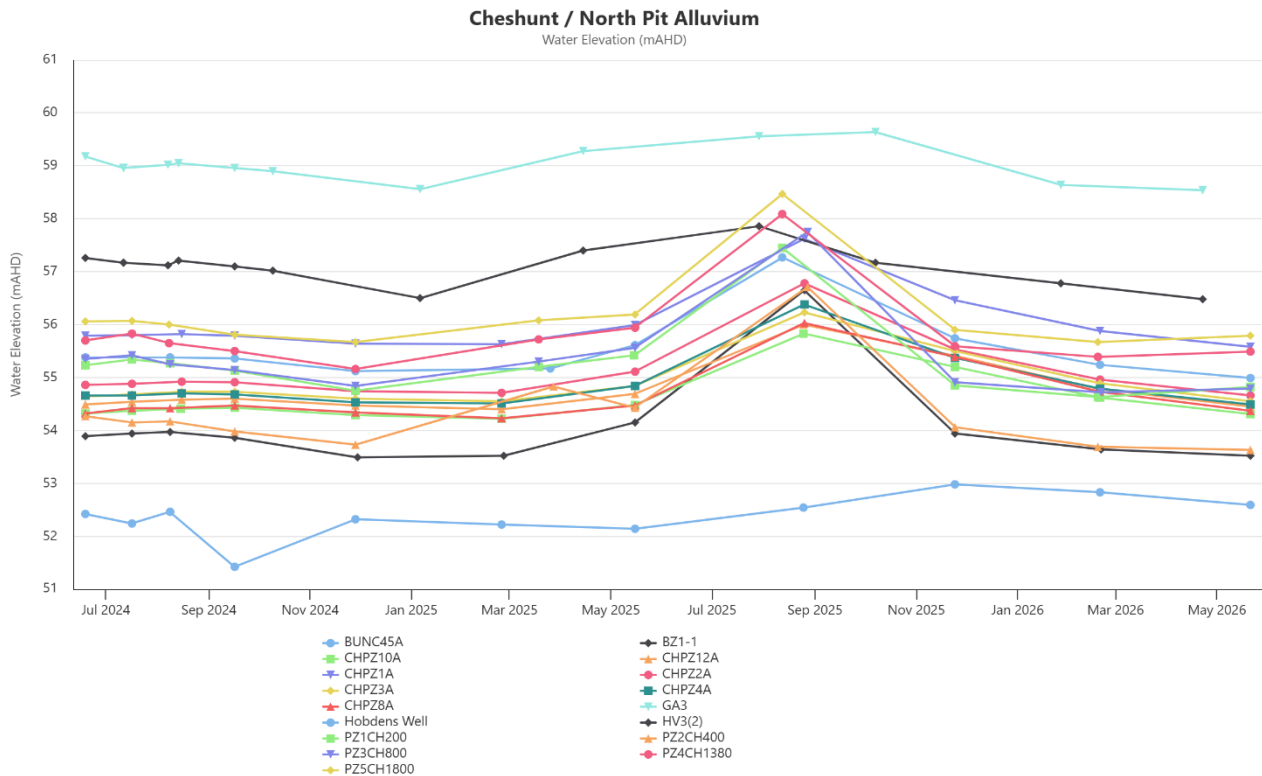
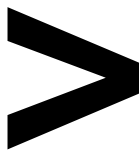


Figure 41– Cheshunt North Pit Alluvium Water Elevation Trend – Q2 2026

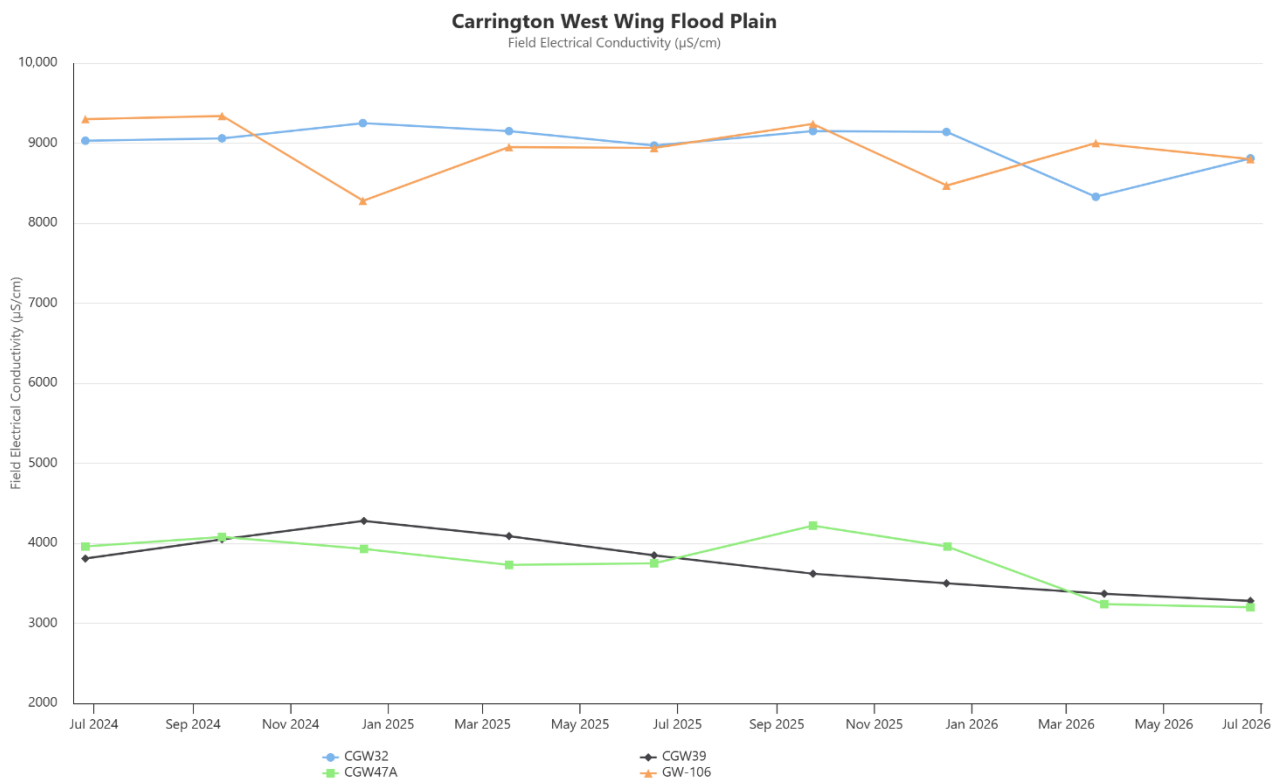


Figure 42 – Carrington West Wing Flood Plain Electrical Conductivity Trend – Q2 2026

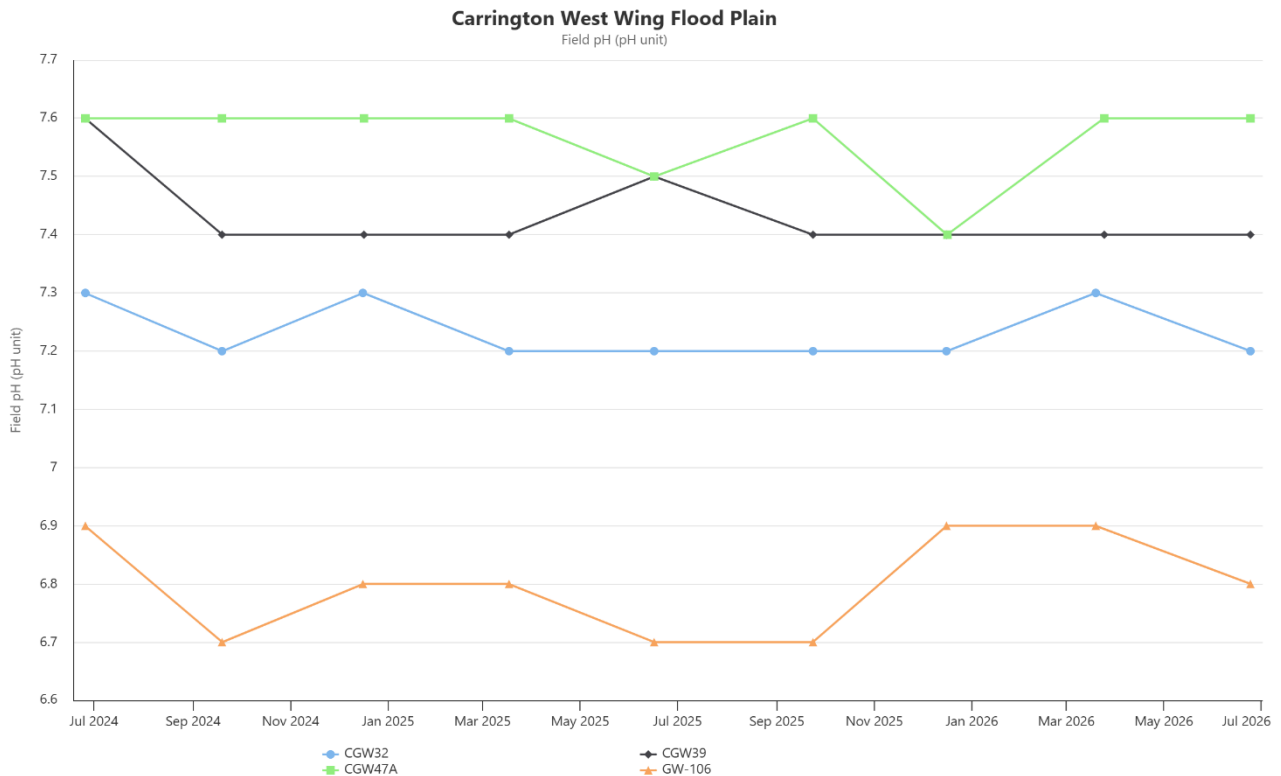
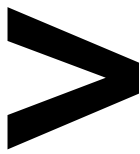


Figure 43 – Carrington West Wing Flood Plain pH Trend – Q2 2026

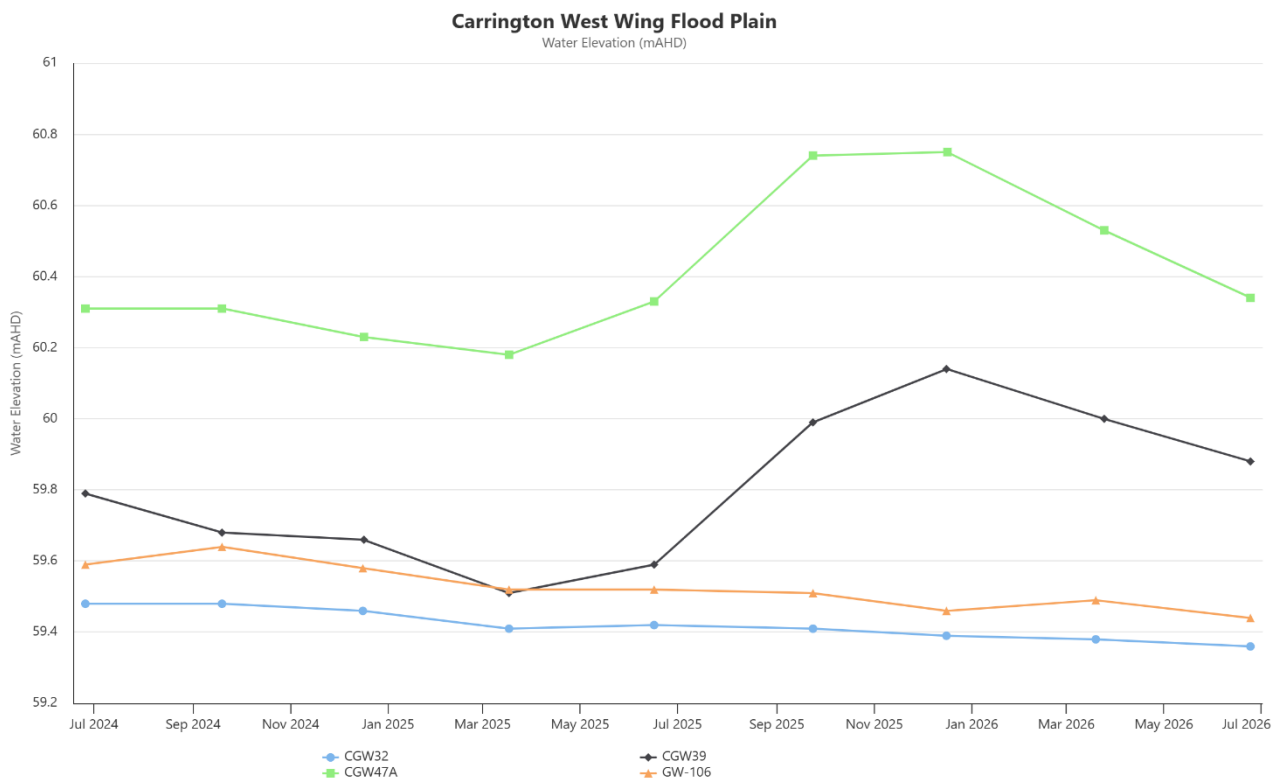


Figure 44 – Carrington West Wing Flood Plain Water Elevation Trend – Q2 2026

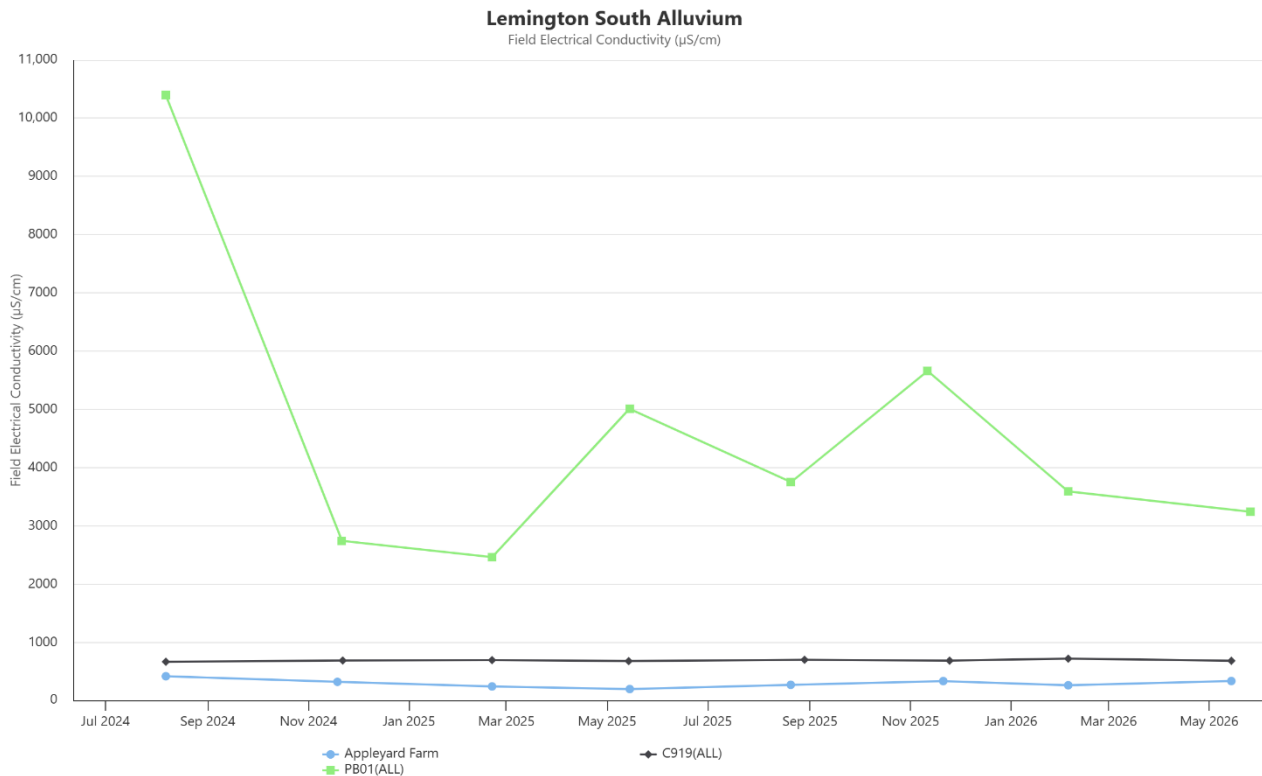
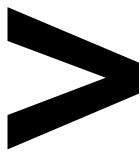


Figure 45 – Lemington South Alluvium Electrical Conductivity Trend – Q2 2026

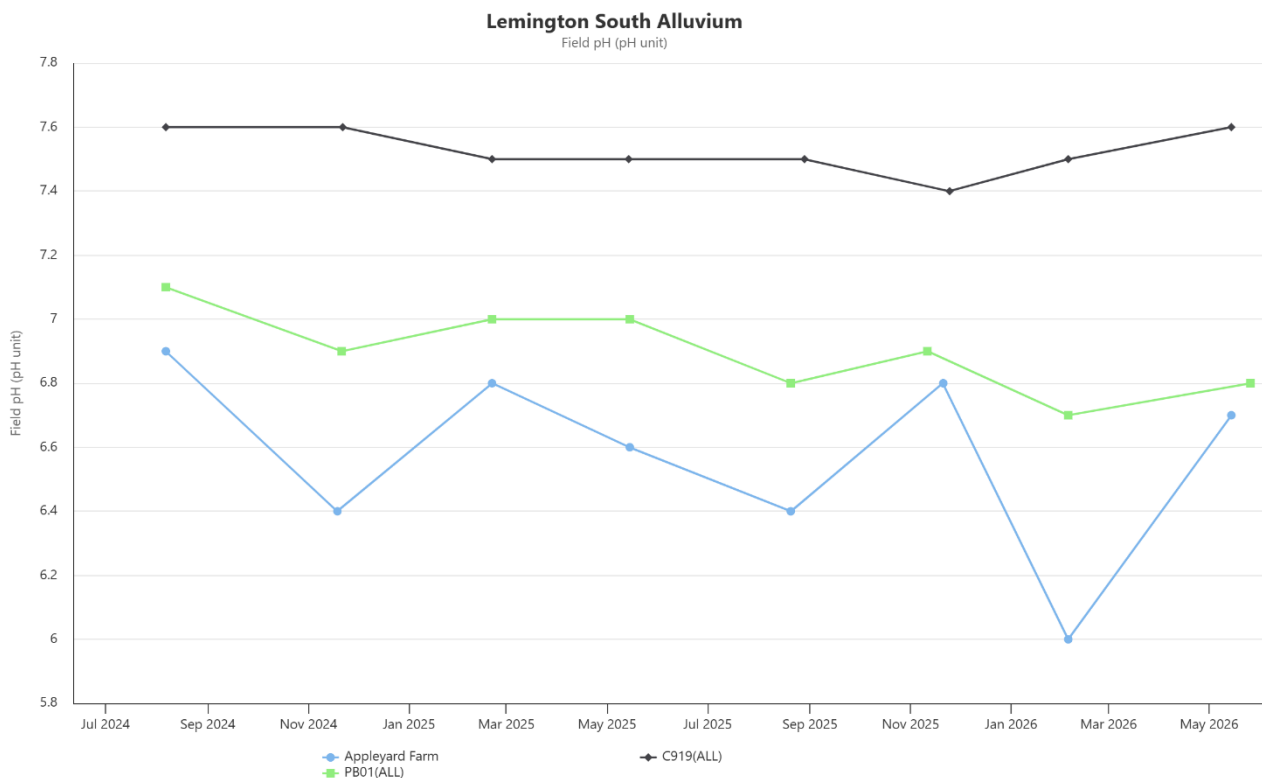


Figure 46 – Lemington South Alluvium Field pH Trend – Q2 2026

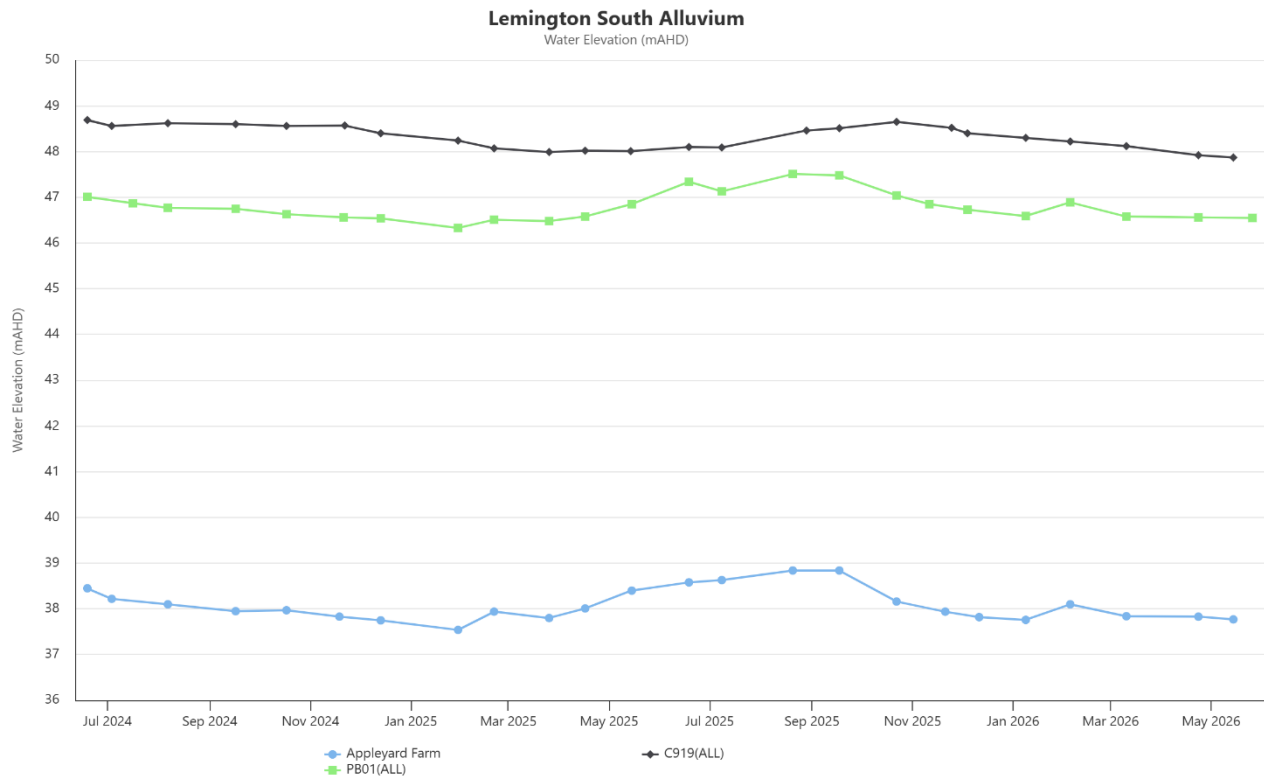
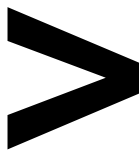


Figure 47 – Lemington South Alluvium Water Elevation Trend – Q2 2026

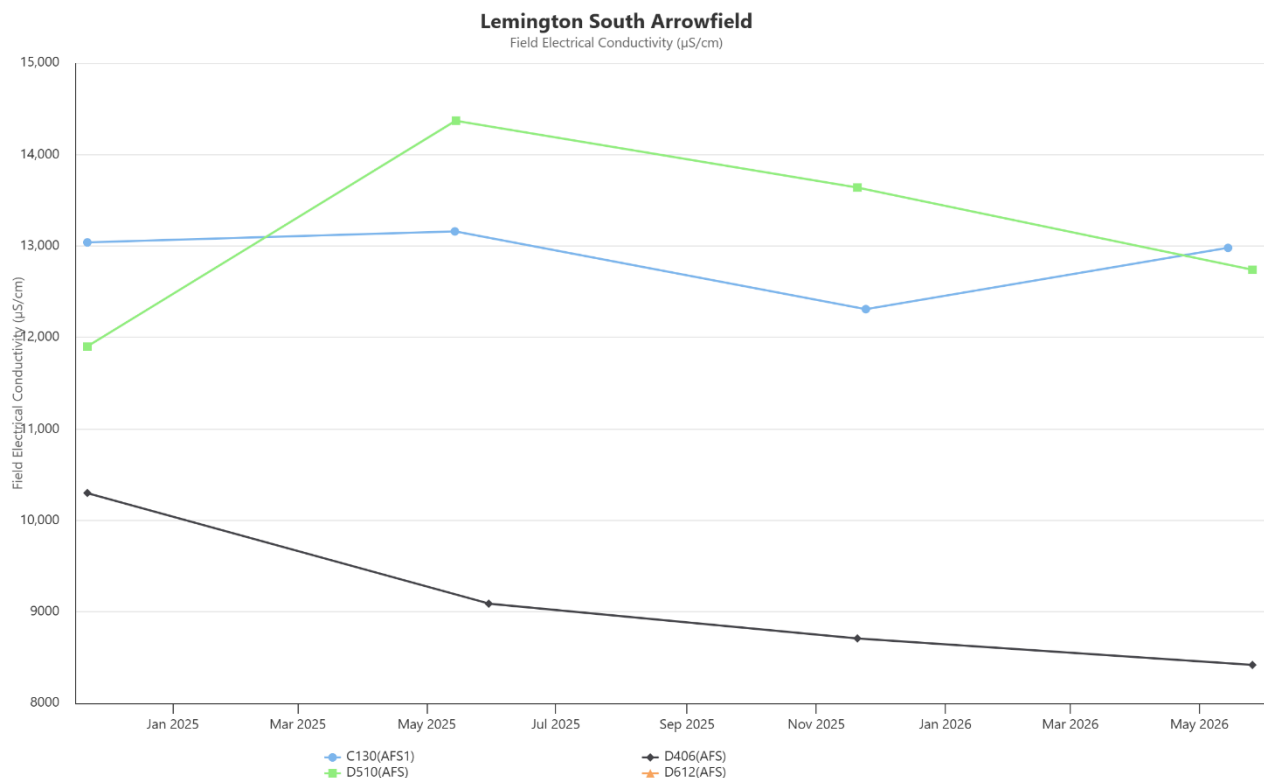


Figure 48 – Lemington South Arrowfield Electrical Conductivity Trend – Q2 2026

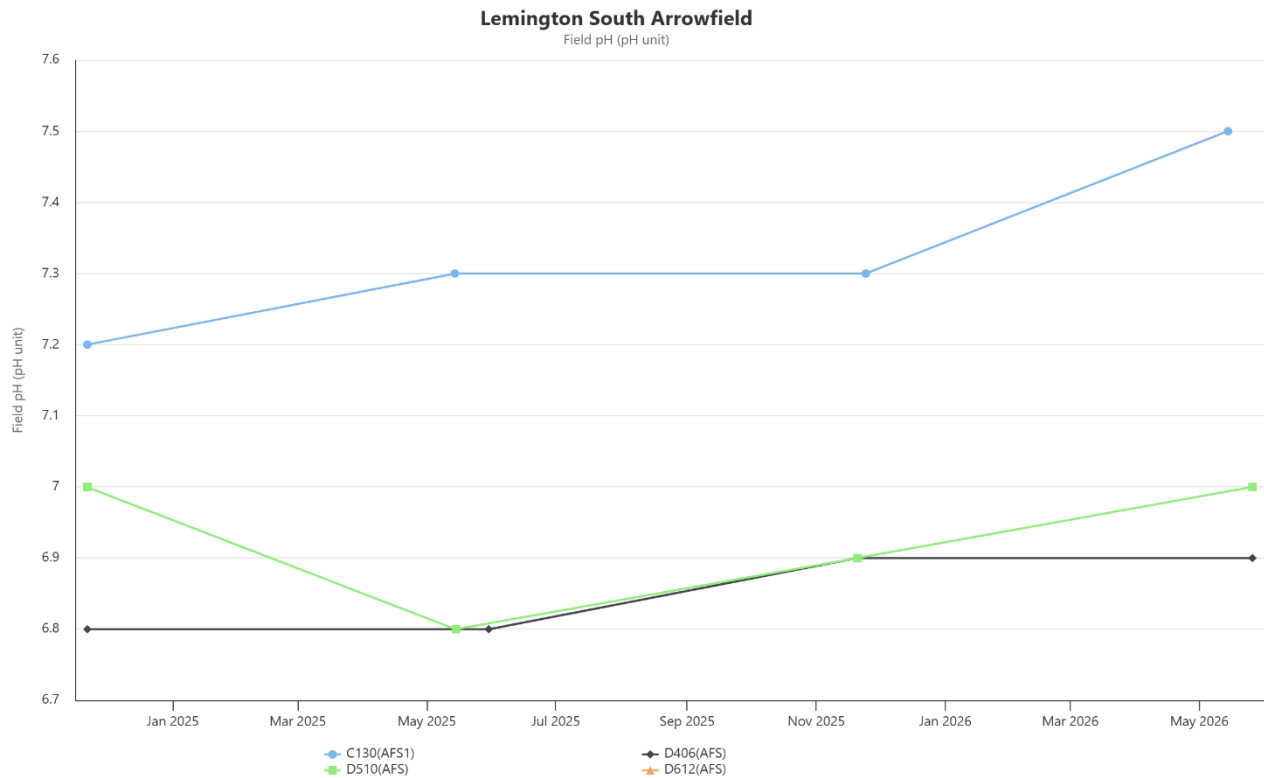
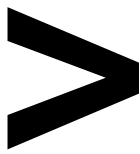


Figure 49 – Lemington South Arrowfield Field pH Trend – Q2 2026

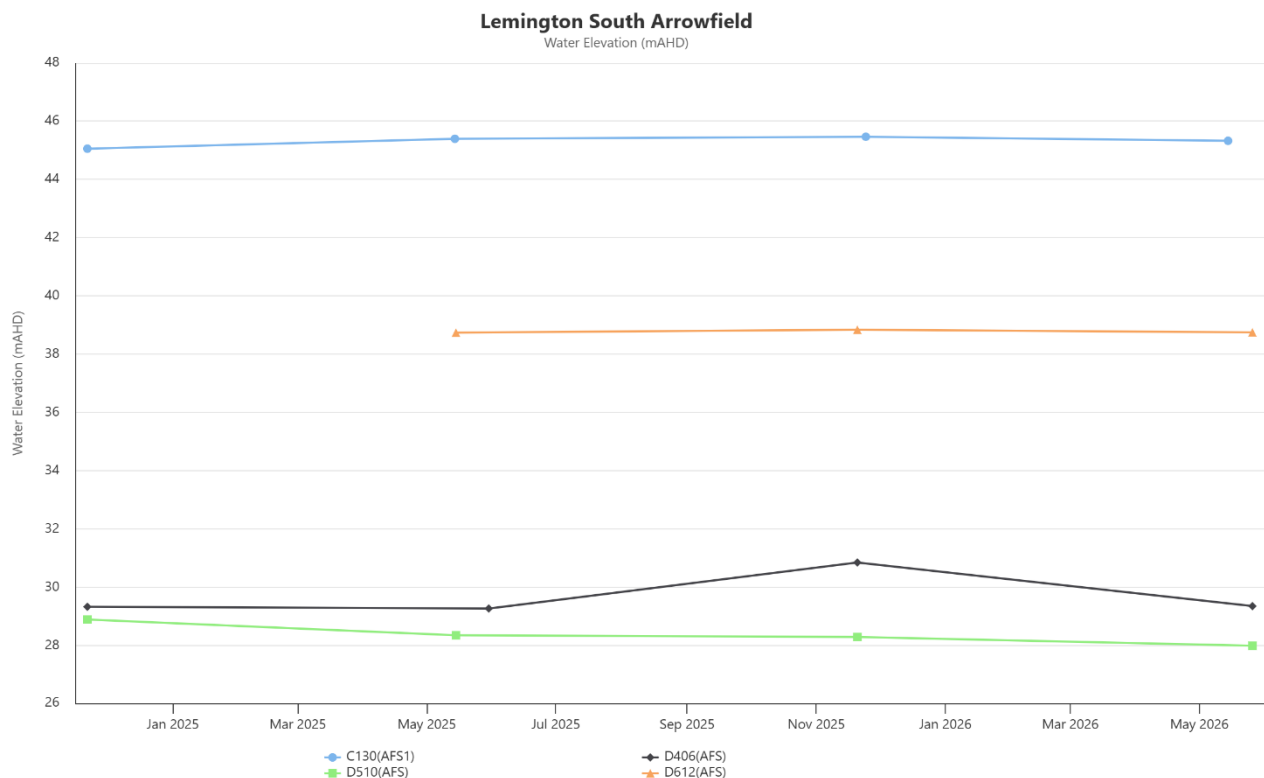


Figure 50 – Lemington South Arrowfield Water Elevation Trend – Q2 2026

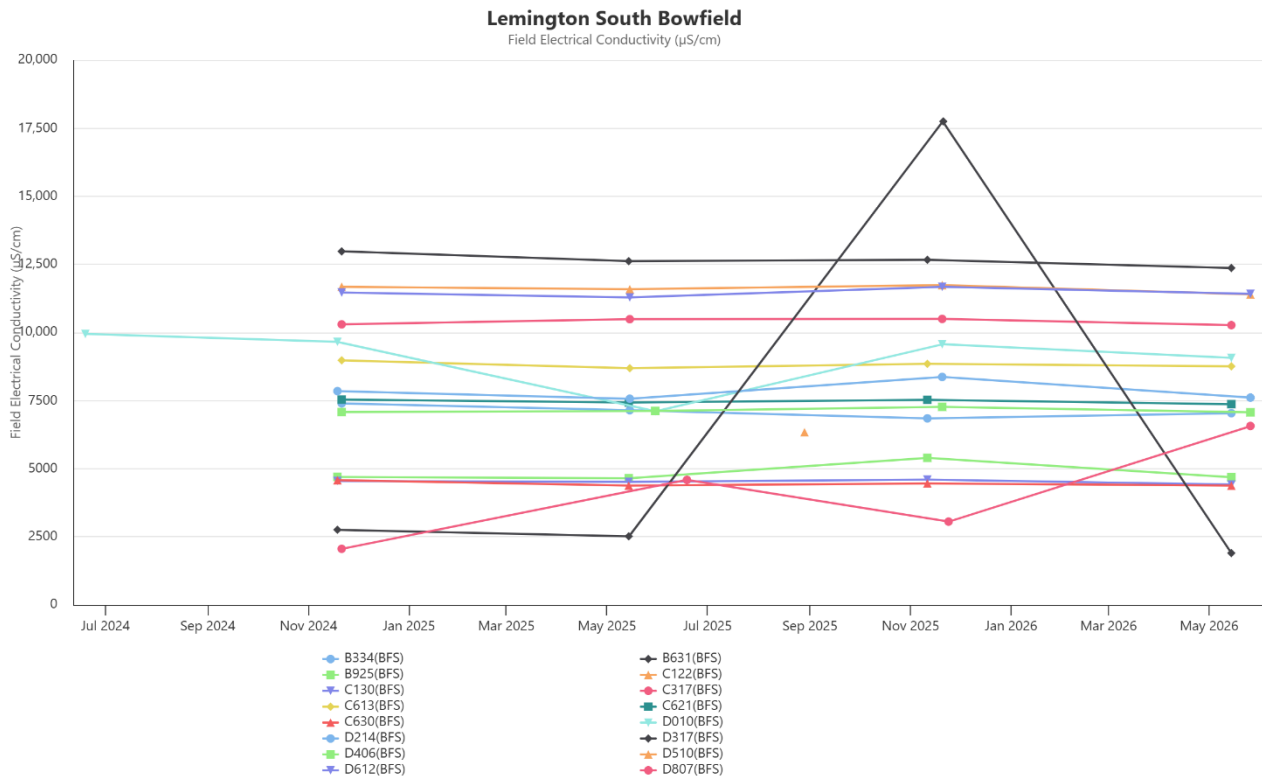
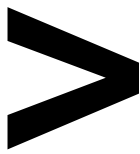


Figure 51 – Lemington South Bowfield Electrical Conductivity Trend – Q2 2026

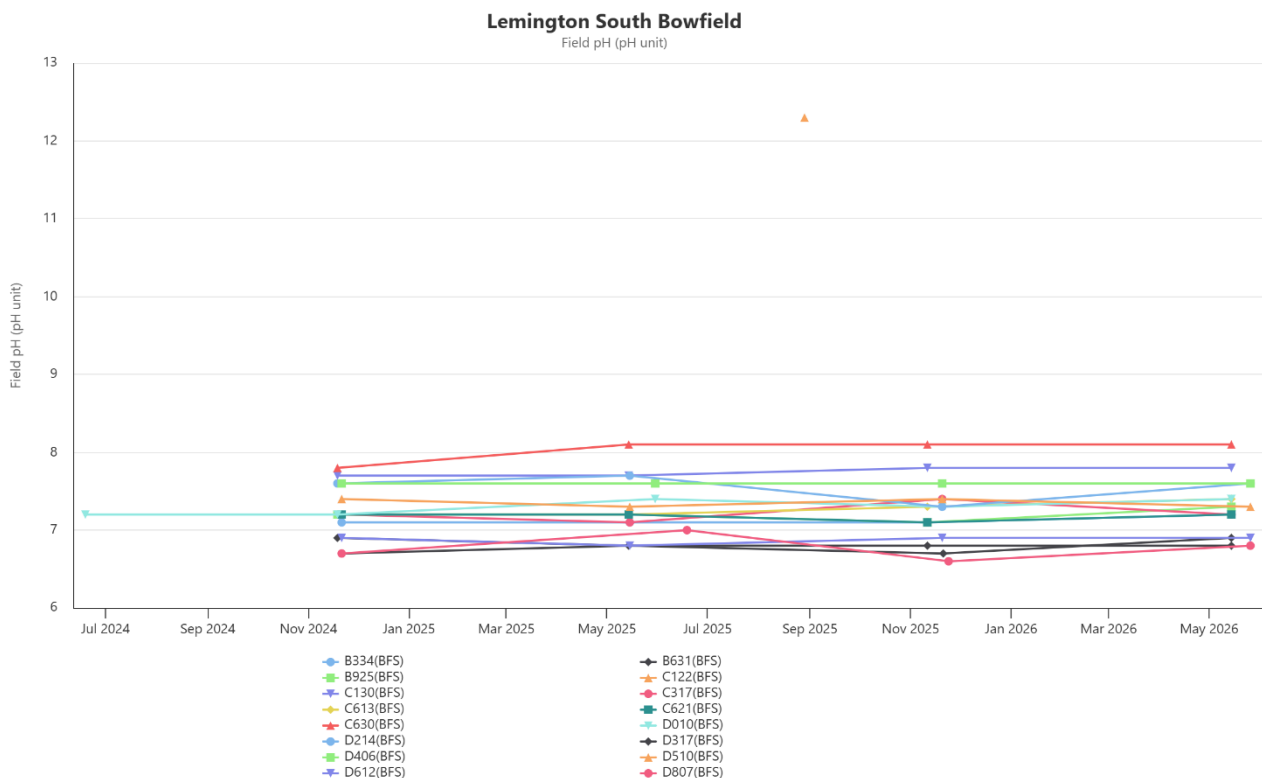


Figure 52 – Lemington South Bowfield pH Trend – Q2 2026

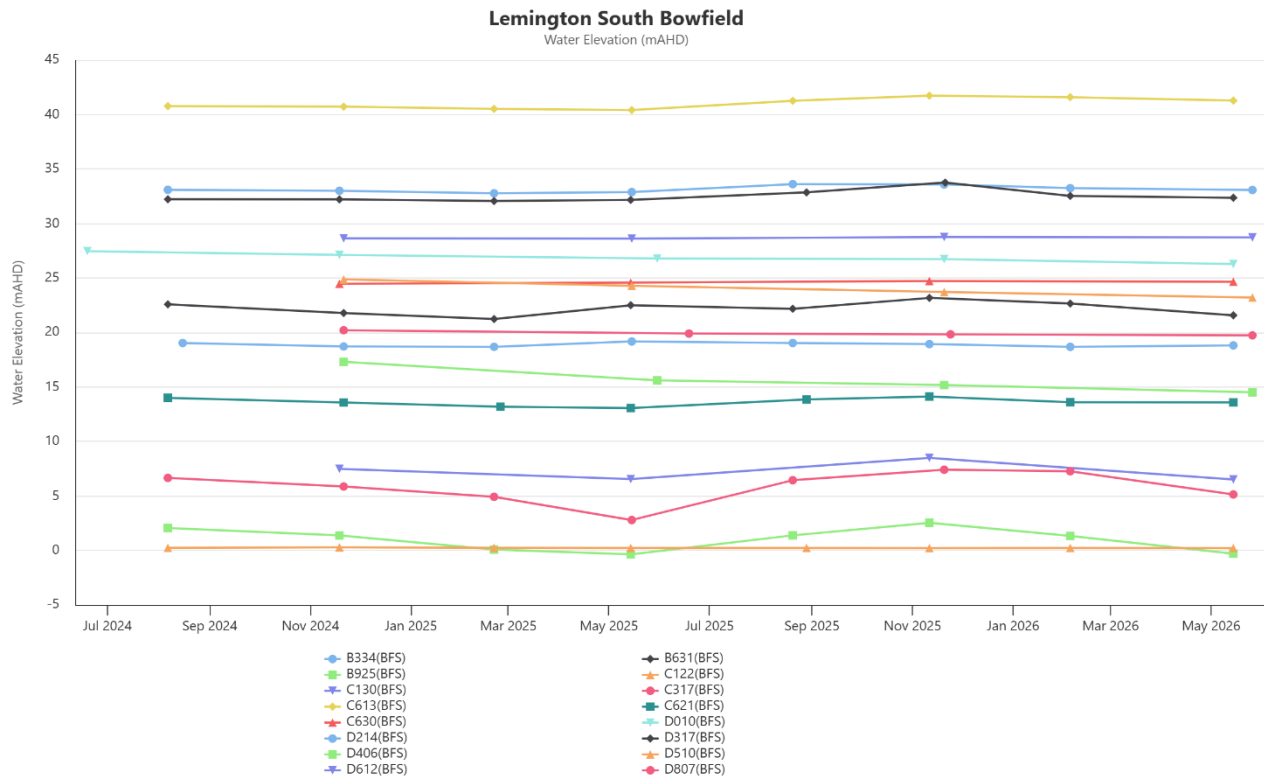
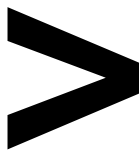


Figure 53 – Lemington South Bowfield Water Elevation Trend – Q2 2026

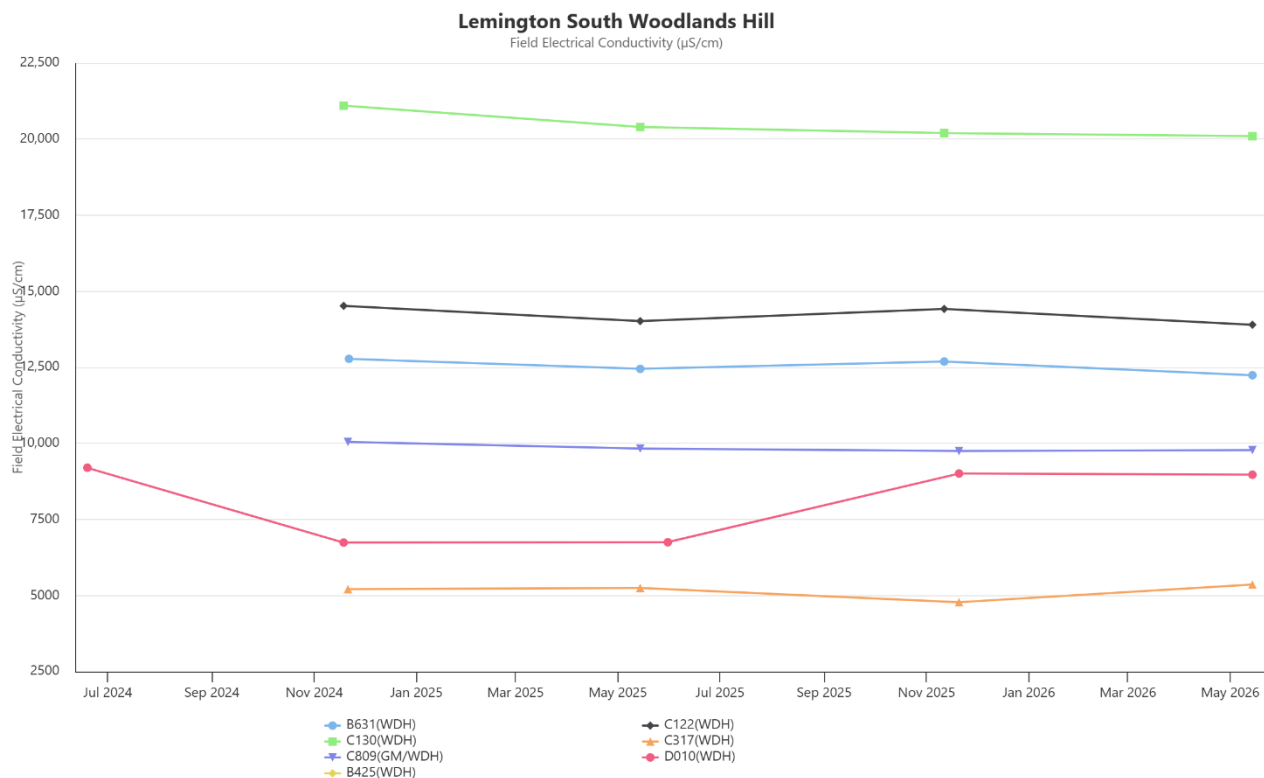


Figure 54 – Lemington South Woodlands Hill Electrical Conductivity Trend – Q2 2026

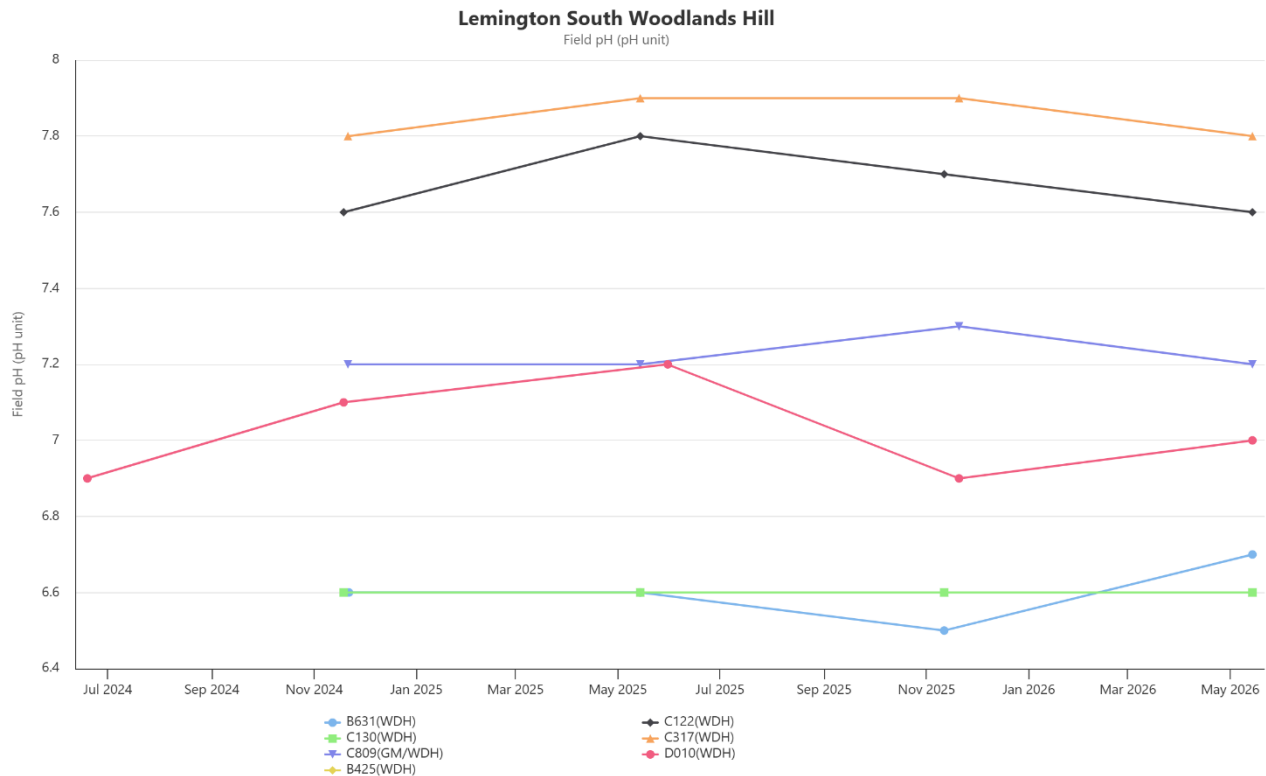
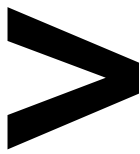


Figure 55 – Lemington South Woodlands Hill Field pH Trend – Q2 2026

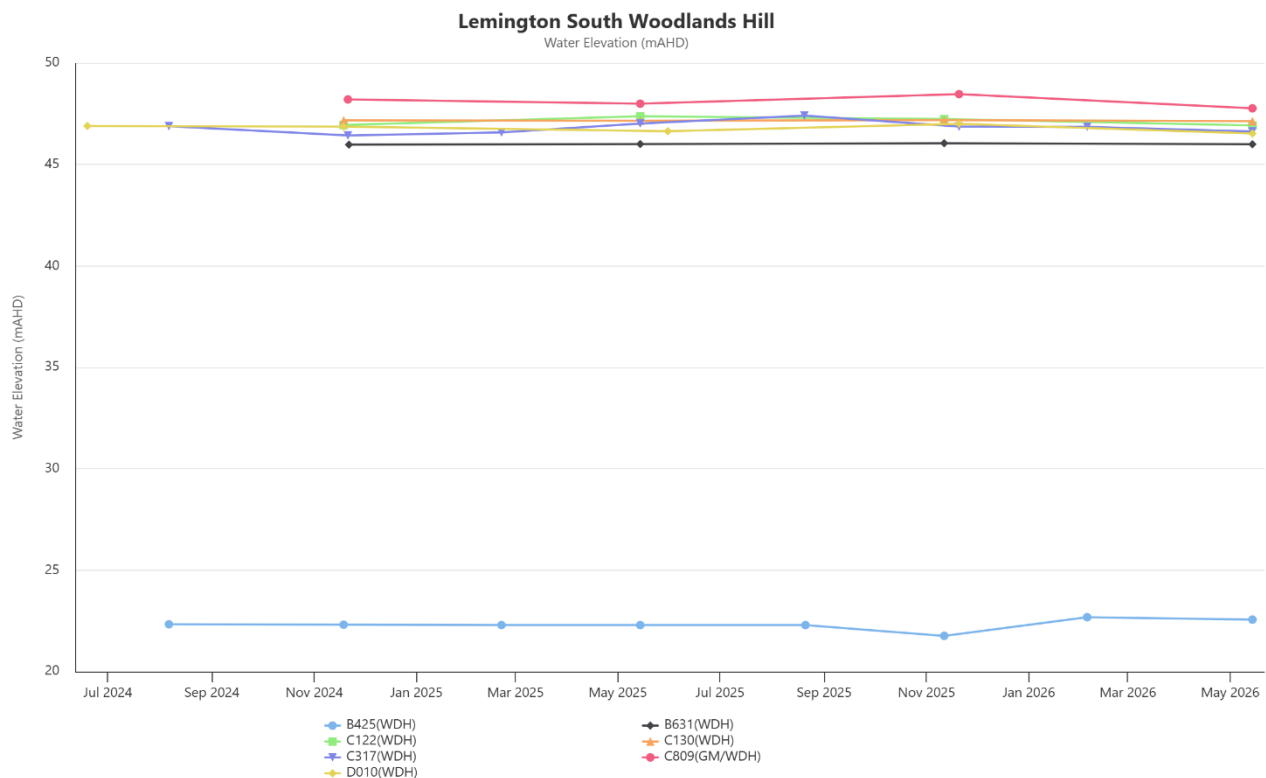


Figure 56 – Lemington South Woodlands Hill Water Elevation Trend – Q2 2026

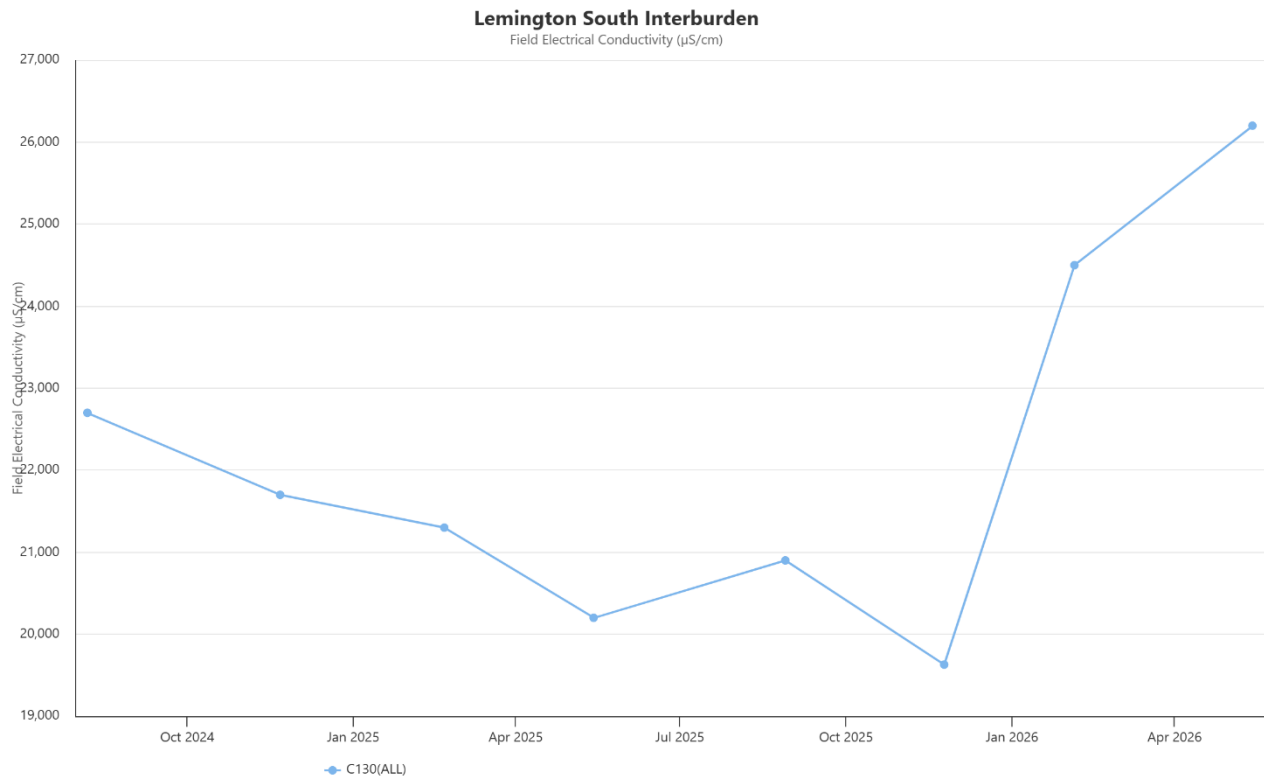
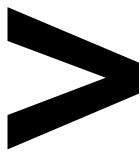


Figure 57 – Lemington South Interburden Electrical Conductivity Trend – Q2 2026

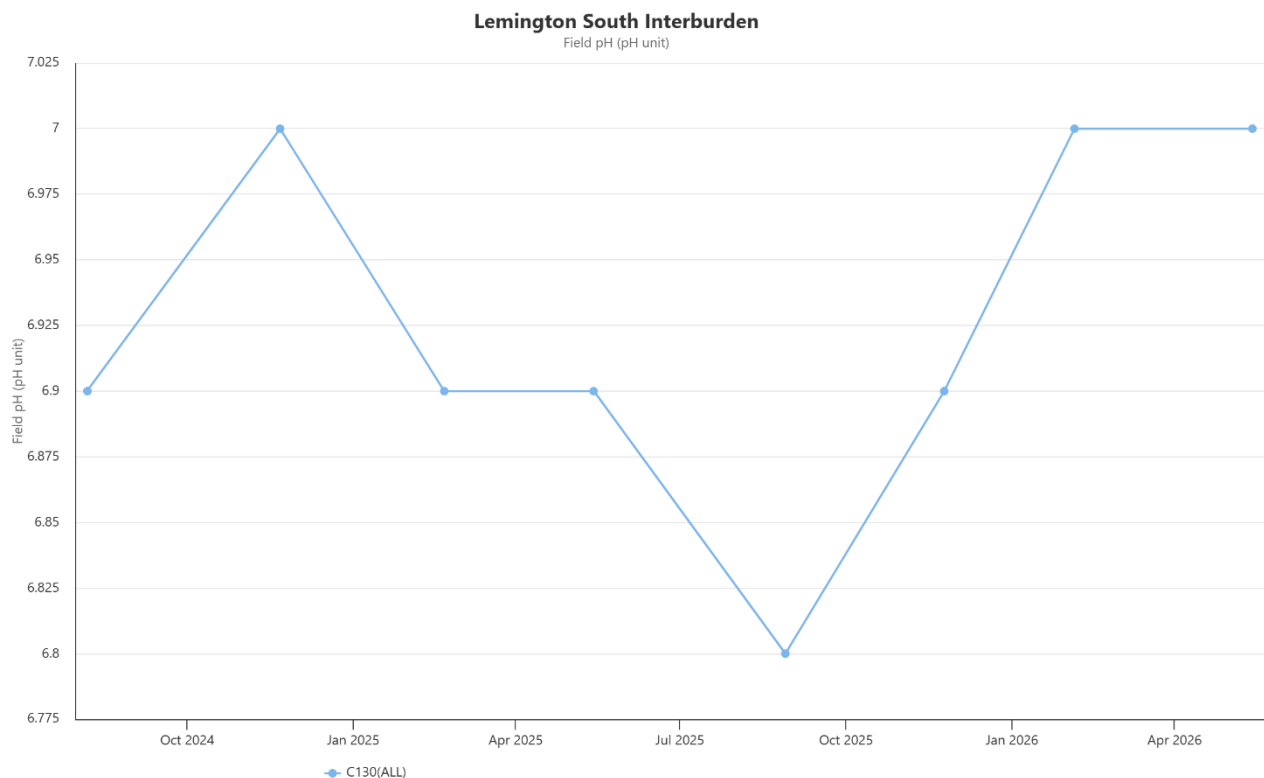


Figure 58 – Lemington South Interburden Field pH Trend – Q2 2026

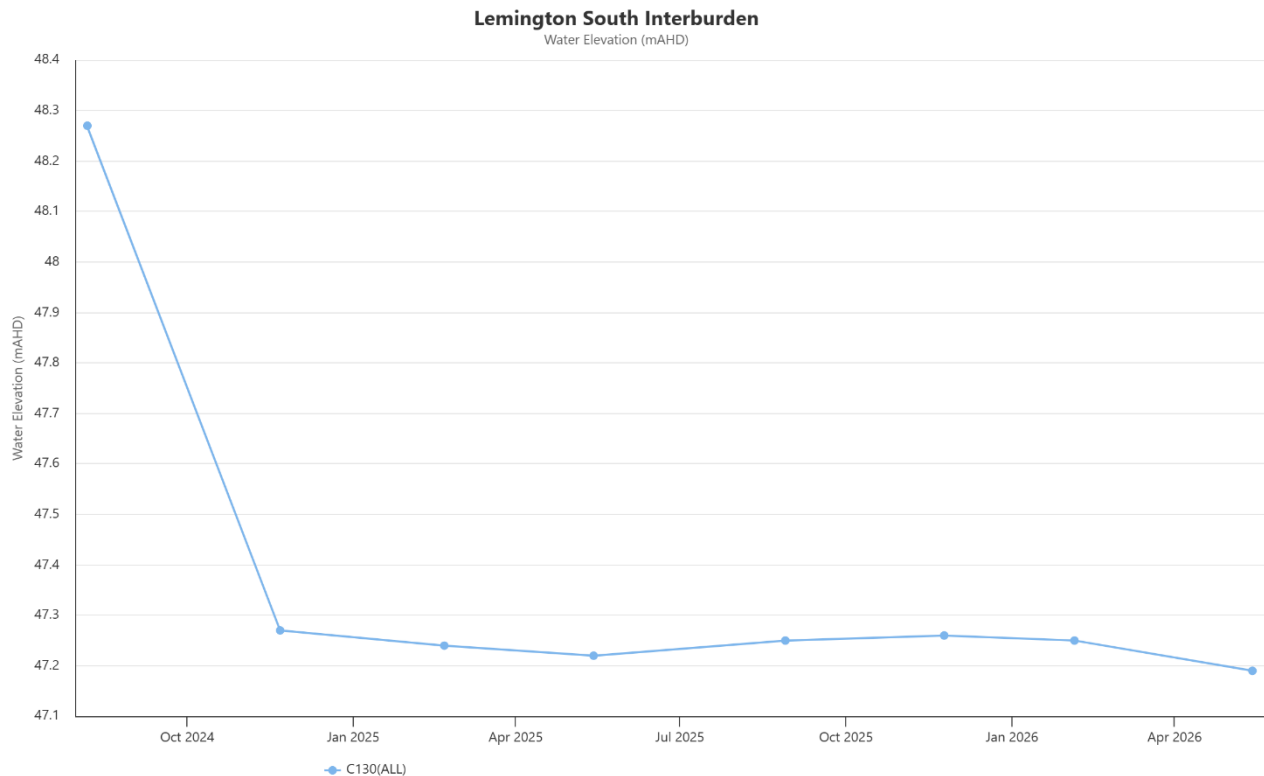
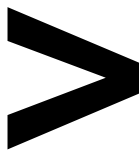


Figure 59 – Lemington South Interburden Water Elevation Trend – Q2 2026

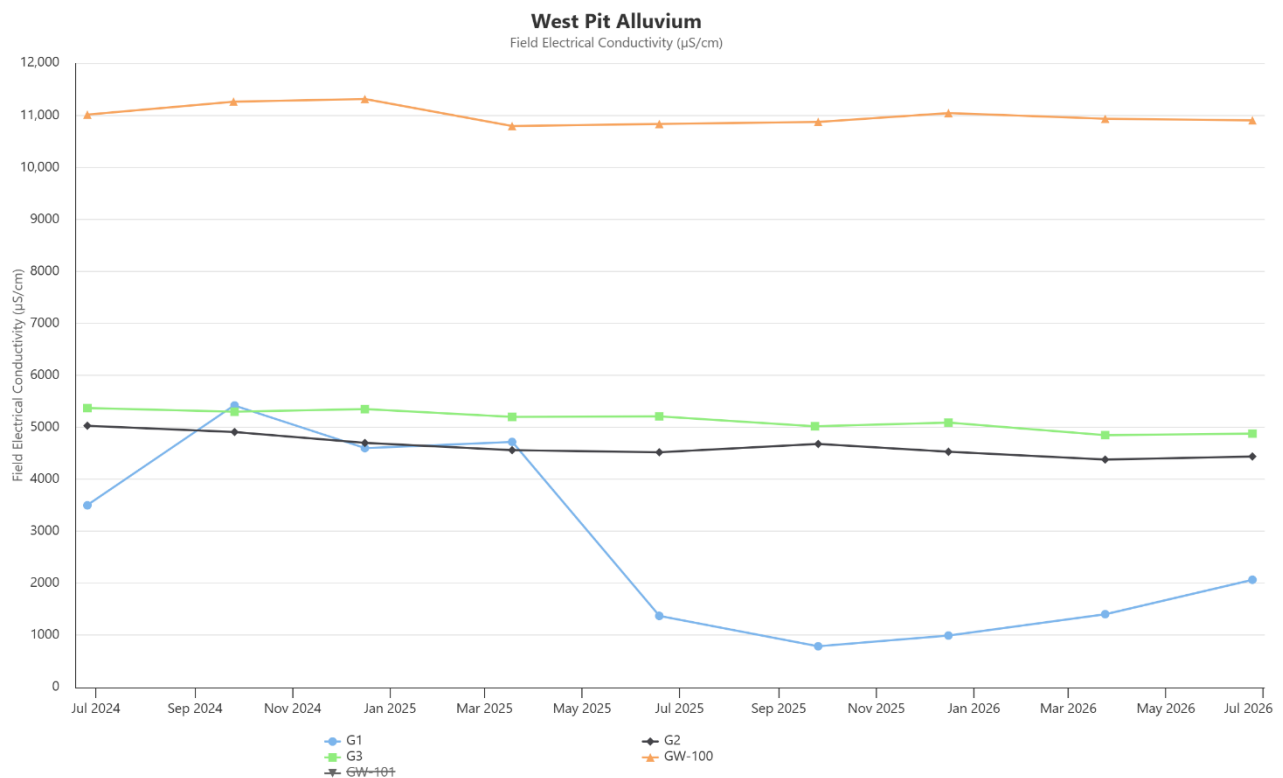


Figure 60 – West Pit Alluvium Electrical Conductivity Trend – Q2 2026

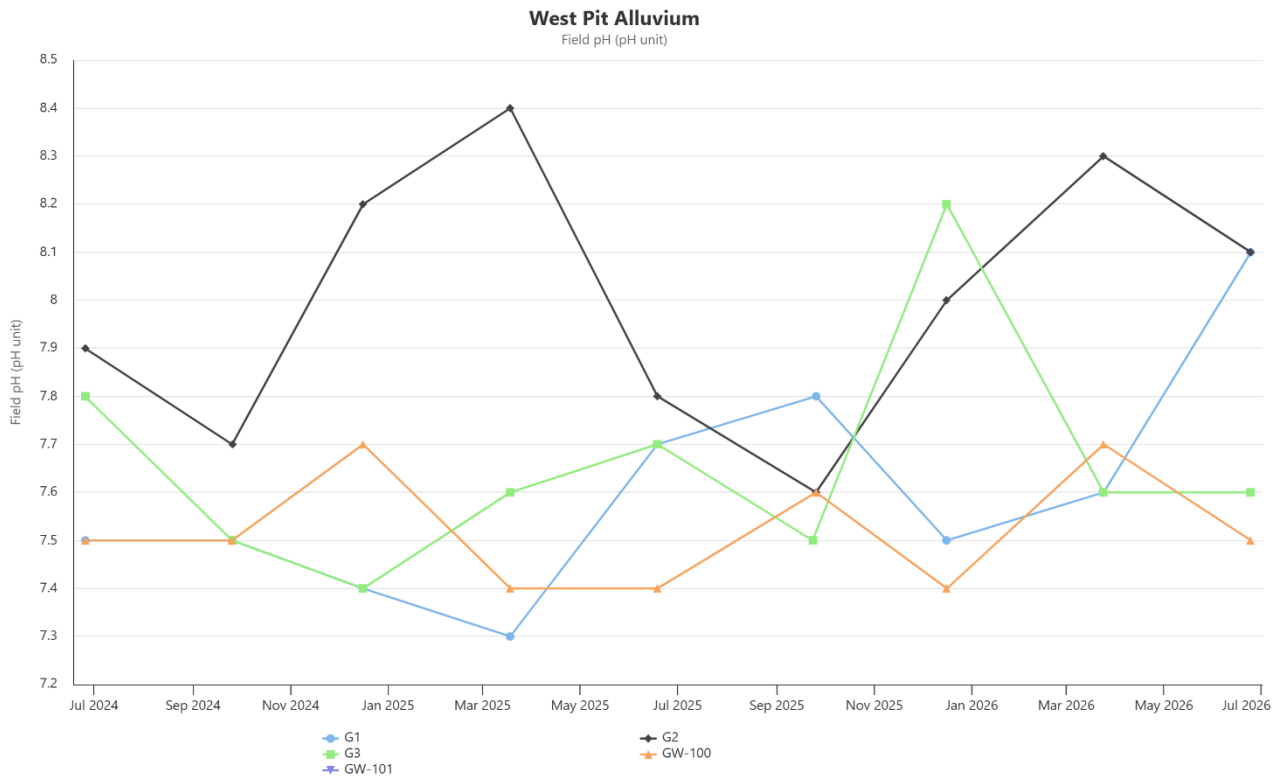
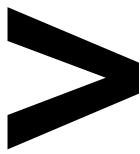


Figure 61 – West Pit Alluvium pH Trend – Q2 2026

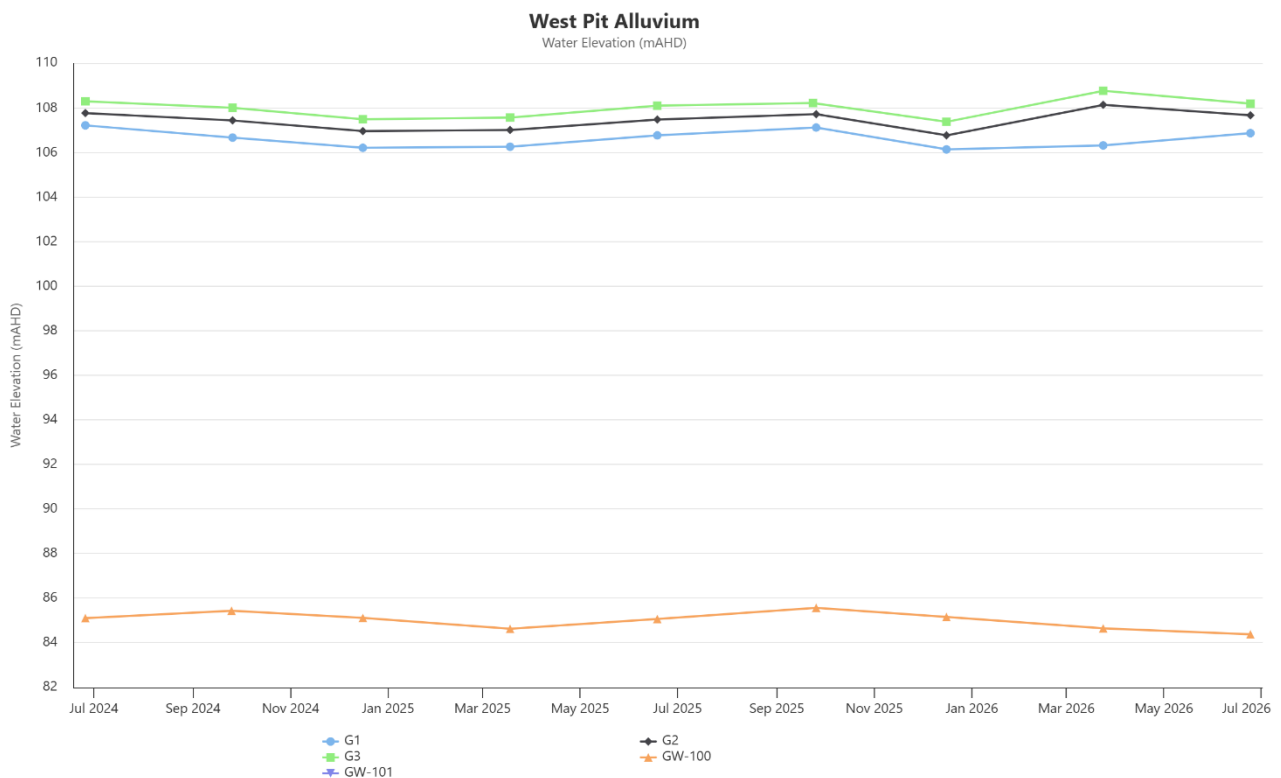


Figure 62 – West Pit Alluvium Water Elevation Trend – Q2 2026

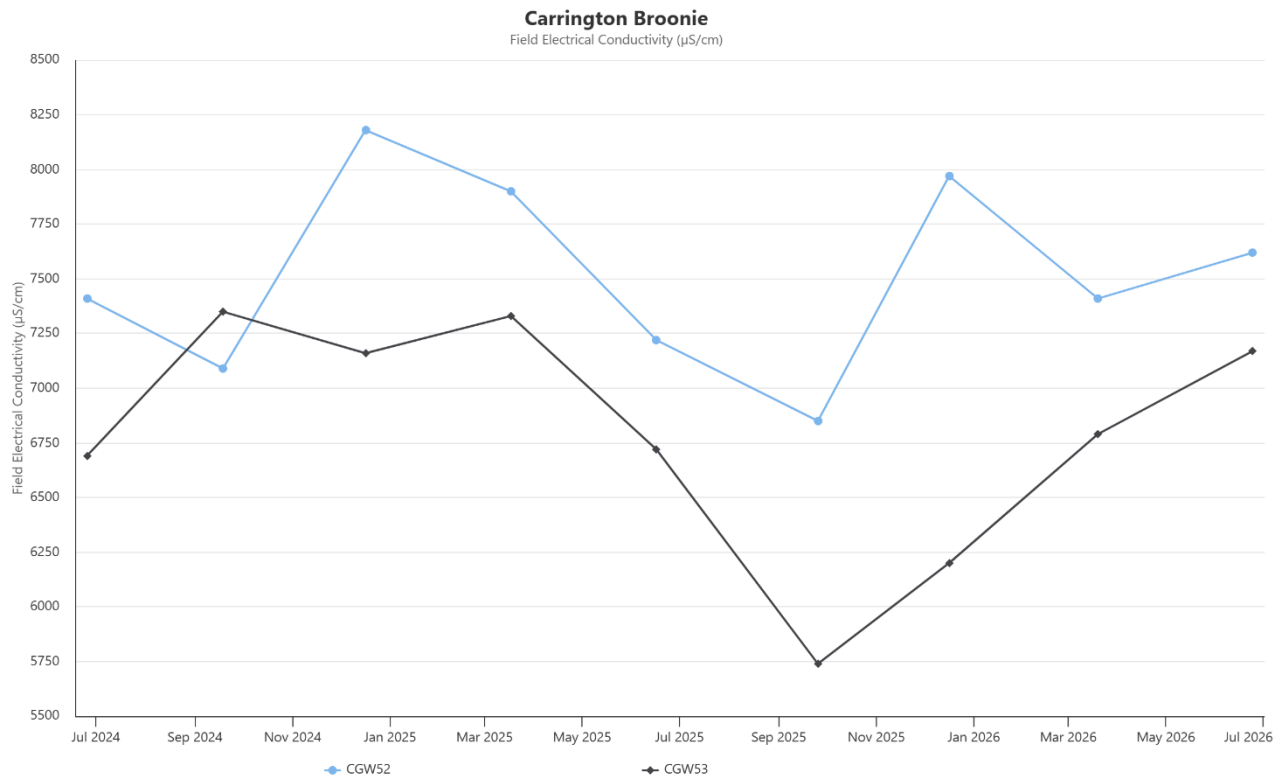
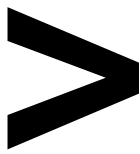


Figure 63 – Carrington Broonie Electrical Conductivity Trend – Q2 2026

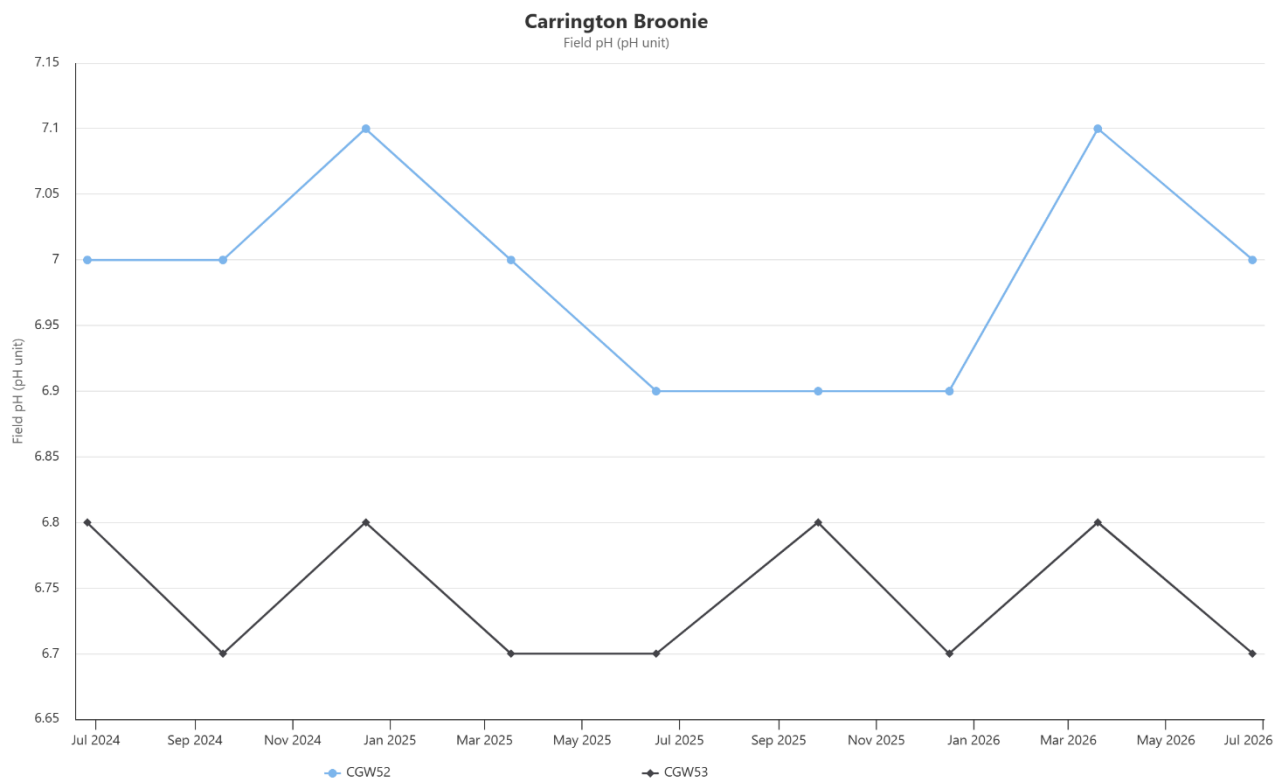


Figure 64 – Carrington Broonie Field pH Trend – Q2 2026

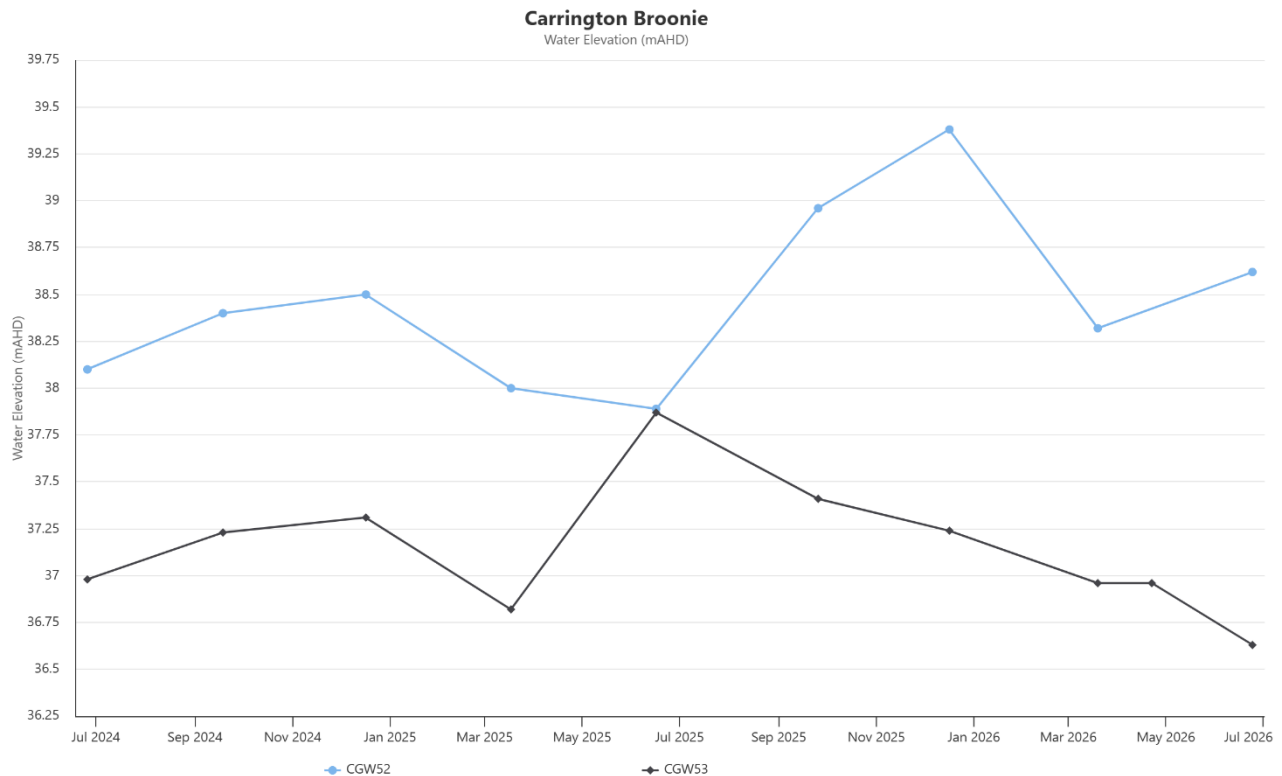
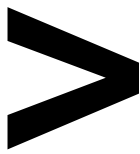


Figure 65 – Carrington Broonie Water Elevation Trend – Q2 2026

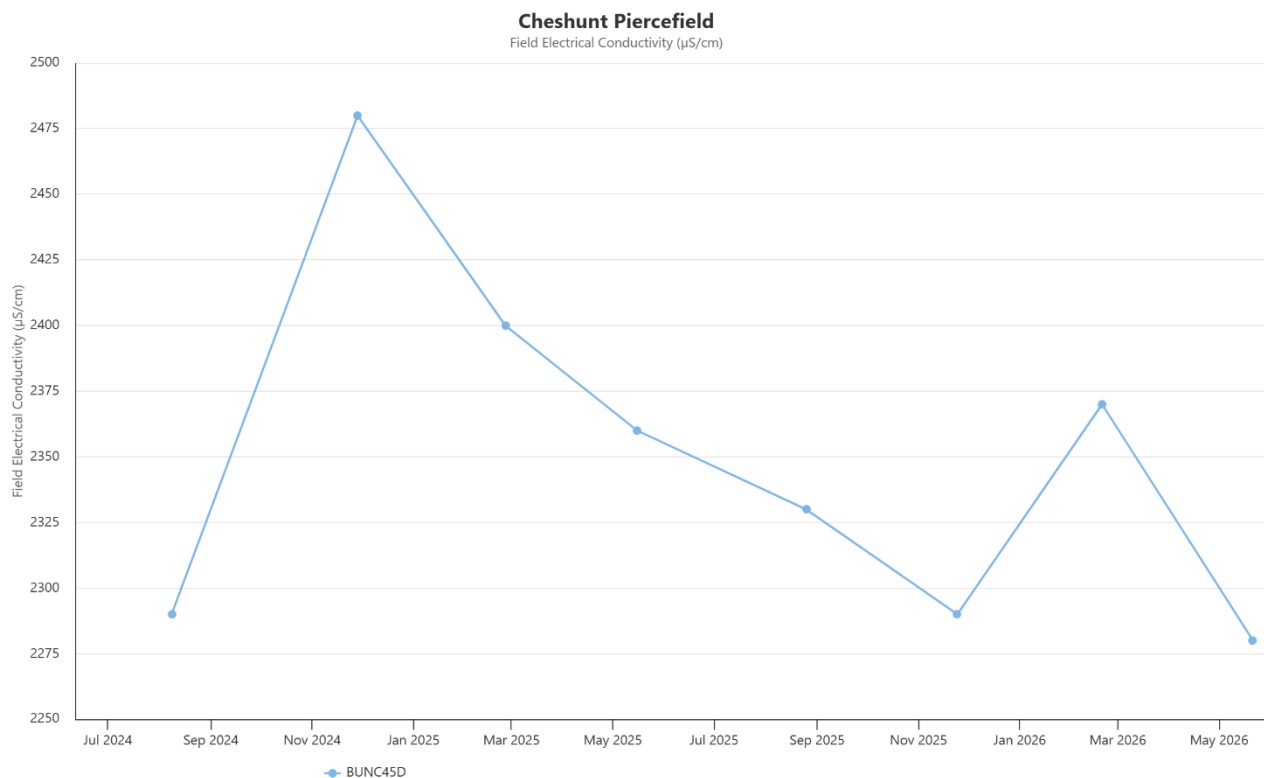


Figure 66 – Cheshunt Piercefield Electrical Conductivity Trend – Q1 2026

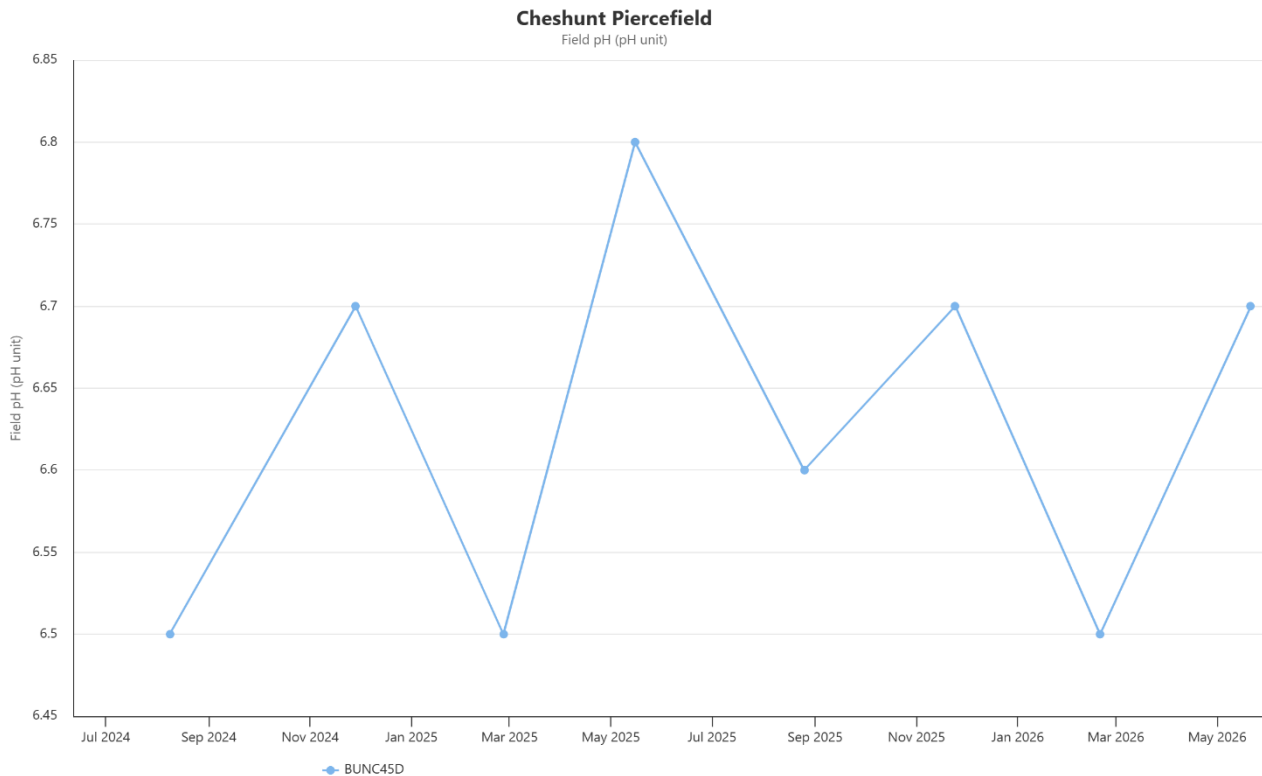
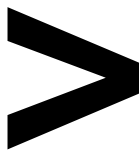


Figure 67 – Cheshunt Piercefield Field pH Trend – Q1 2026

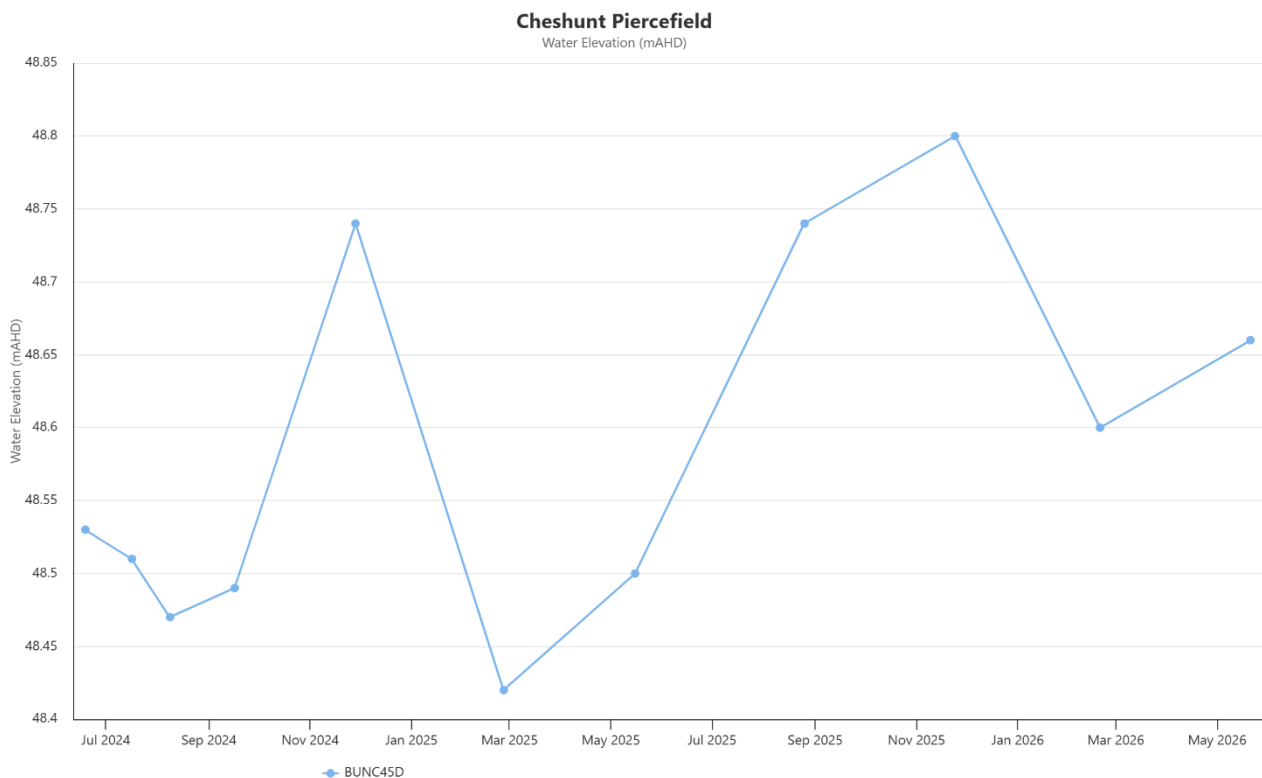


Figure 68 – Cheshunt Piercefield Water Elevation Trend – Q1 2026

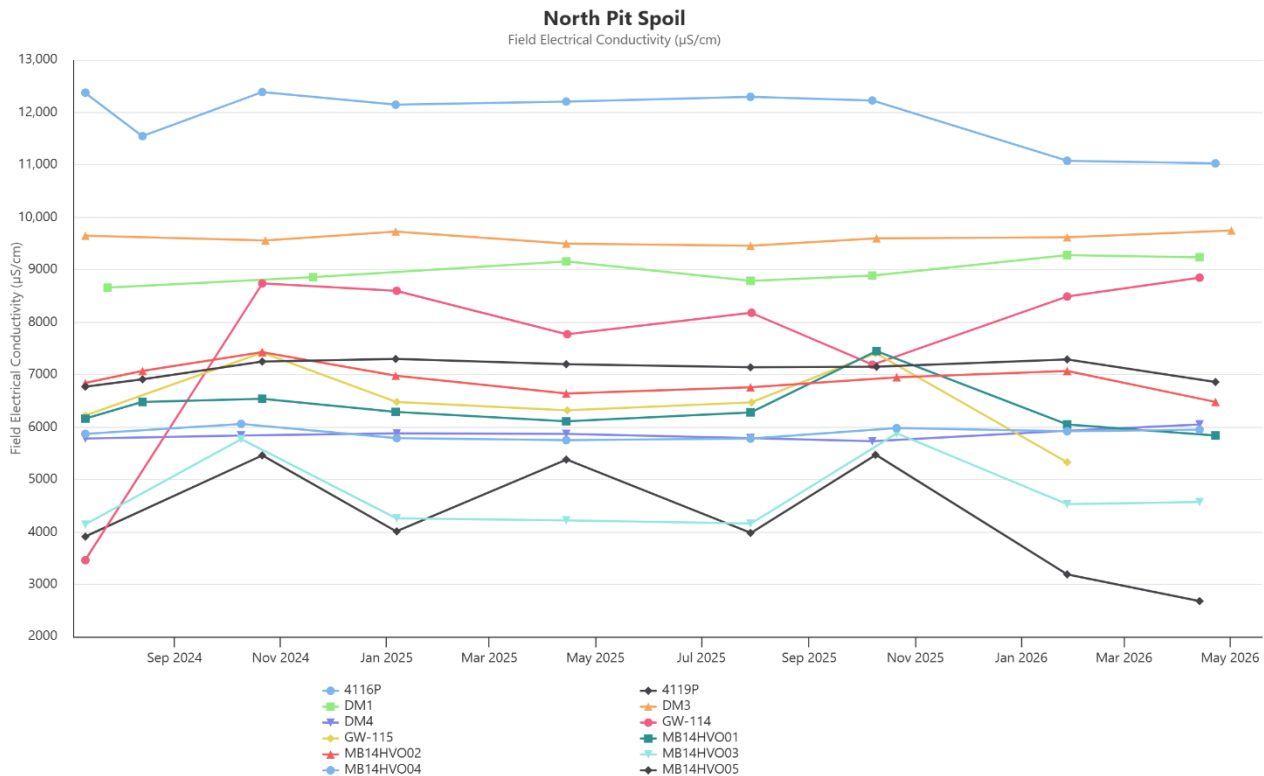
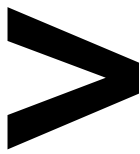


Figure 69 – North Pit Spoil Electrical Conductivity Trend – Q1 2026

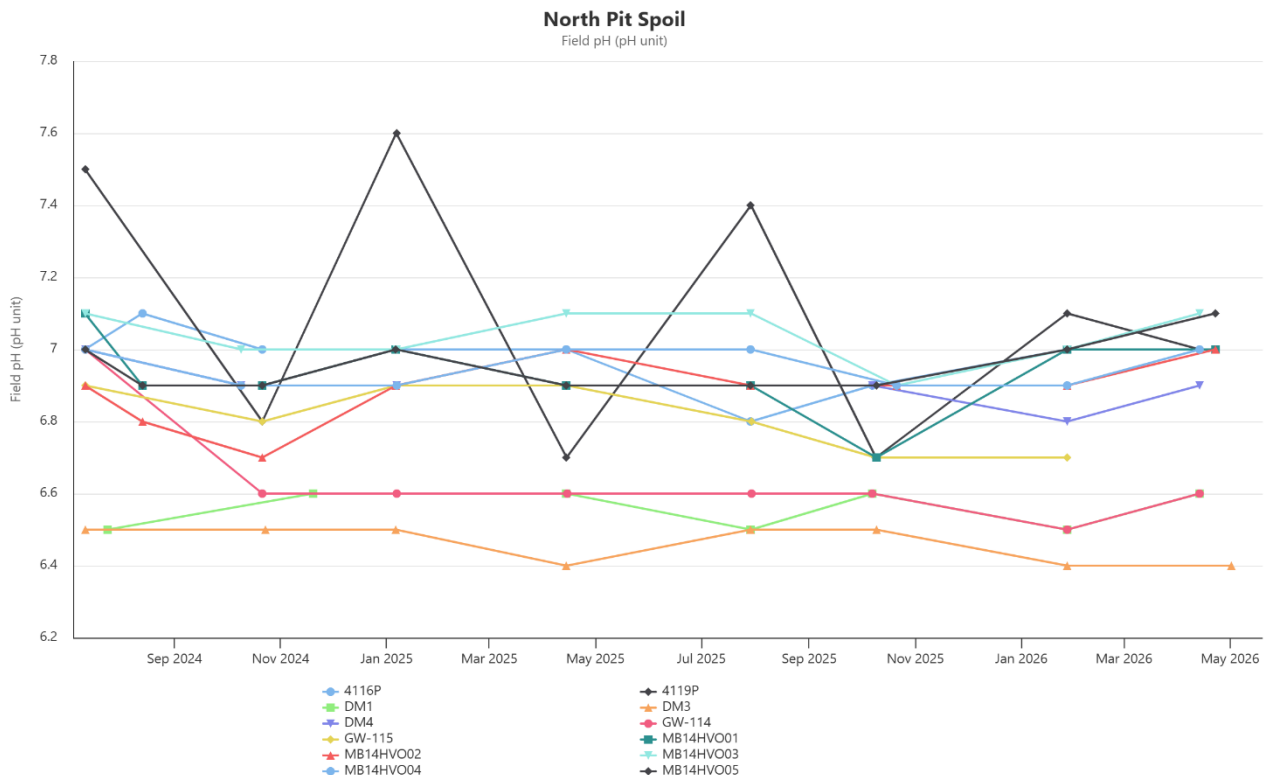


Figure 70 – North Pit Spoil Field pH Trend – Q1 2026

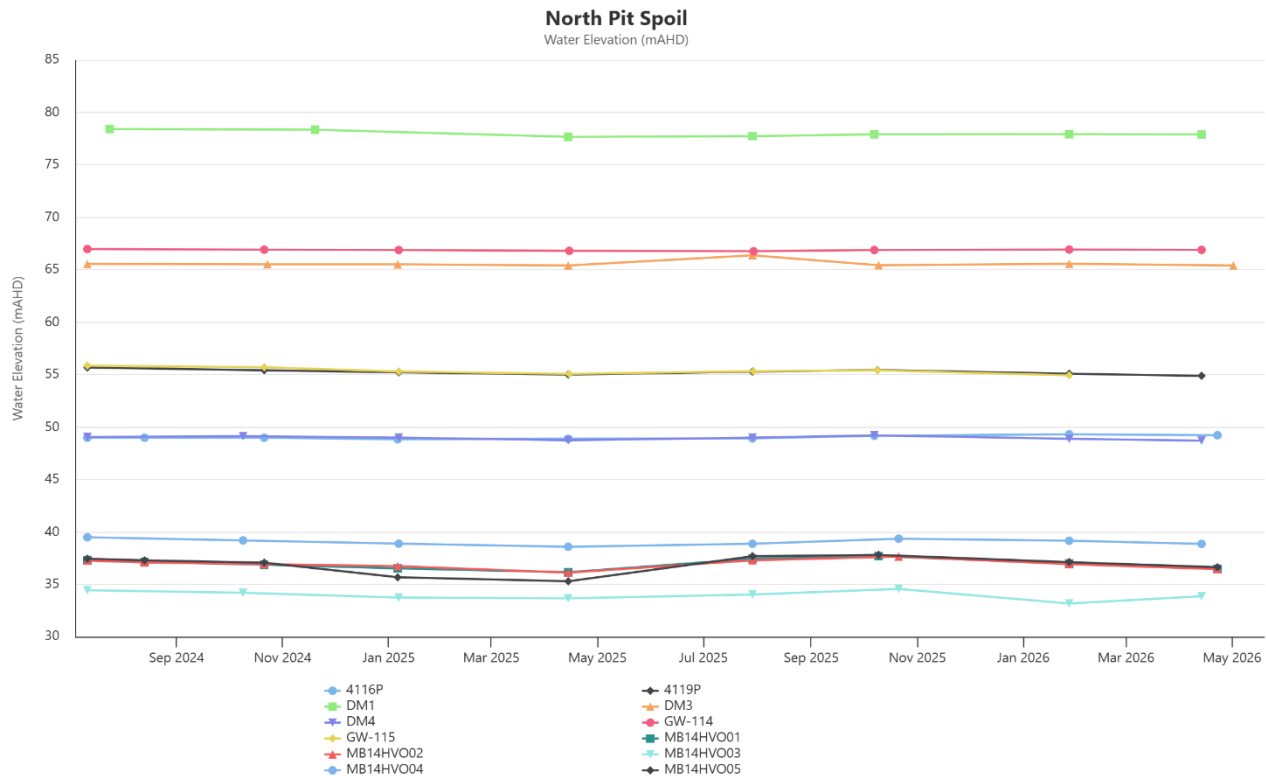
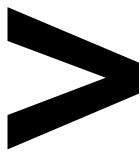


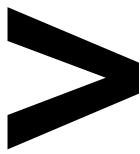
Figure 71 – North Pit Spoil Water Elevation Trend – Q1 2026



3.4.1 | GROUNDWATER TRIGGER TRACKING

Internal trigger limits have been developed to assess monitoring data on an on-going basis and to highlight potentially adverse groundwater impacts. The process for evaluating monitoring results against the internal triggers and subsequent responses is outlined in the HVO Water Management Plan.

There was no groundwater trigger exceedance during the reporting period.



4 | BLASTING

HVO maintains a network of blast monitoring units located at nearby privately owned residences and function as regulatory compliance monitors. The location of these monitors can be found in Figure 72. Blasting criteria for HVO are summarised in Table 2.

Table 2 - Blasting Criteria

Airblast Overpressure (dBL)		Comments
115		5% of the total number of blasts in a 12-month period
120		0% of blasts
Ground Vibration (mm/s)		Comments
5		5% of the total number of blasts in a 12-month period
10		0% of blasts



4.1 | BLAST MONITORING RESULTS

Twenty (20) blasts were initiated at HVO during the reporting period. Blast monitoring results for the period are shown in Table 3 and Table 4.

Table 3 - Overpressure Blast Monitoring Results for the reporting period

Date and Time	Moses Crossing (dBL)	Jerrys Plains Village (dBL)	Maison Dieu (dBL)	Warkworth (dBL)	Knodlers Lane (dBL)
02/06/2026 13:12	104.20	94.20	105.09	106.98	101.70
05/06/2026 13:14	91.69	104.38	103.06	101.06	108.41
05/06/2026 13:19	93.16	105.43	106.31	97.89	109.50
06/06/2026 15:56	86.73	85.88	85.34	82.05	82.49
09/06/2026 15:15	85.30	86.95	81.78	85.99	80.38
10/06/2026 13:06	88.14	84.40	83.24	86.66	80.52
11/06/2026 13:08	91.42	90.69	96.45	92.58	92.12
12/06/2026 13:21	95.46	88.37	99.08	91.24	93.49
13/06/2026 13:11	84.32	94.22	93.57	90.08	95.07
13/06/2026 13:13	92.97	101.56	97.24	93.49	93.09
13/06/2026 13:14	94.31	95.28	102.58	89.45	94.95
16/06/2026 13:07	89.49	85.15	88.74	94.36	85.61
18/06/2026 13:13	108.09	100.22	110.88	100.50	107.52
20/06/2026 13:06	95.98	98.81	99.74	95.67	104.84
20/06/2026 13:08	98.75	105.08	104.49	103.84	99.23
24/06/2026 13:29	98.57	83.77	93.27	89.77	81.95
24/06/2026 13:32	93.66	94.44	83.22	79.11	97.69
25/06/2026 13:15	99.58	98.38	99.95	90.41	95.84
29/06/2026 13:13	84.55	92.33	83.04	87.14	79.93
29/06/2026 13:15	98.31	91.74	90.45	87.79	89.88



Table 4 - Ground Vibration Blast Monitoring Results for the reporting period

Date and Time	Moses Crossing (mm/s)	Jerrys Plains Village (mm/s)	Maison Dieu (mm/s)	Warkworth (mm/s)	Knodlers Lane (mm/s)
02/06/2026 13:12	0.11	0.06	0.07	0.08	0.07
05/06/2026 13:14	0.31	0.10	0.28	0.47	0.15
05/06/2026 13:19	0.27	0.11	0.11	0.56	0.09
06/06/2026 15:56	0.22	0.19	0.14	0.09	0.10
09/06/2026 15:15	0.14	0.06	0.44	0.24	0.29
10/06/2026 13:06	0.21	0.09	0.10	0.36	0.08
11/06/2026 13:08	0.12	0.05	0.07	0.75	0.07
12/06/2026 13:21	0.63	0.21	0.25	0.58	0.14
13/06/2026 13:11	0.20	0.14	0.15	0.08	0.08
13/06/2026 13:13	0.17	0.15	0.11	0.07	0.09
13/06/2026 13:14	0.13	0.07	0.06	0.09	0.07
16/06/2026 13:07	0.48	0.18	0.28	0.50	0.19
18/06/2026 13:13	0.28	0.28	0.09	0.53	0.11
20/06/2026 13:06	0.26	0.28	0.17	0.62	0.10
20/06/2026 13:08	0.13	0.08	0.07	0.18	0.08
24/06/2026 13:29	0.19	0.17	0.13	0.52	0.10
24/06/2026 13:32	0.15	0.08	0.09	0.13	0.08
25/06/2026 13:15	0.29	0.10	0.32	0.63	0.20
29/06/2026 13:13	0.20	0.15	0.14	0.18	0.11
29/06/2026 13:15	0.15	0.08	0.07	0.05	0.08

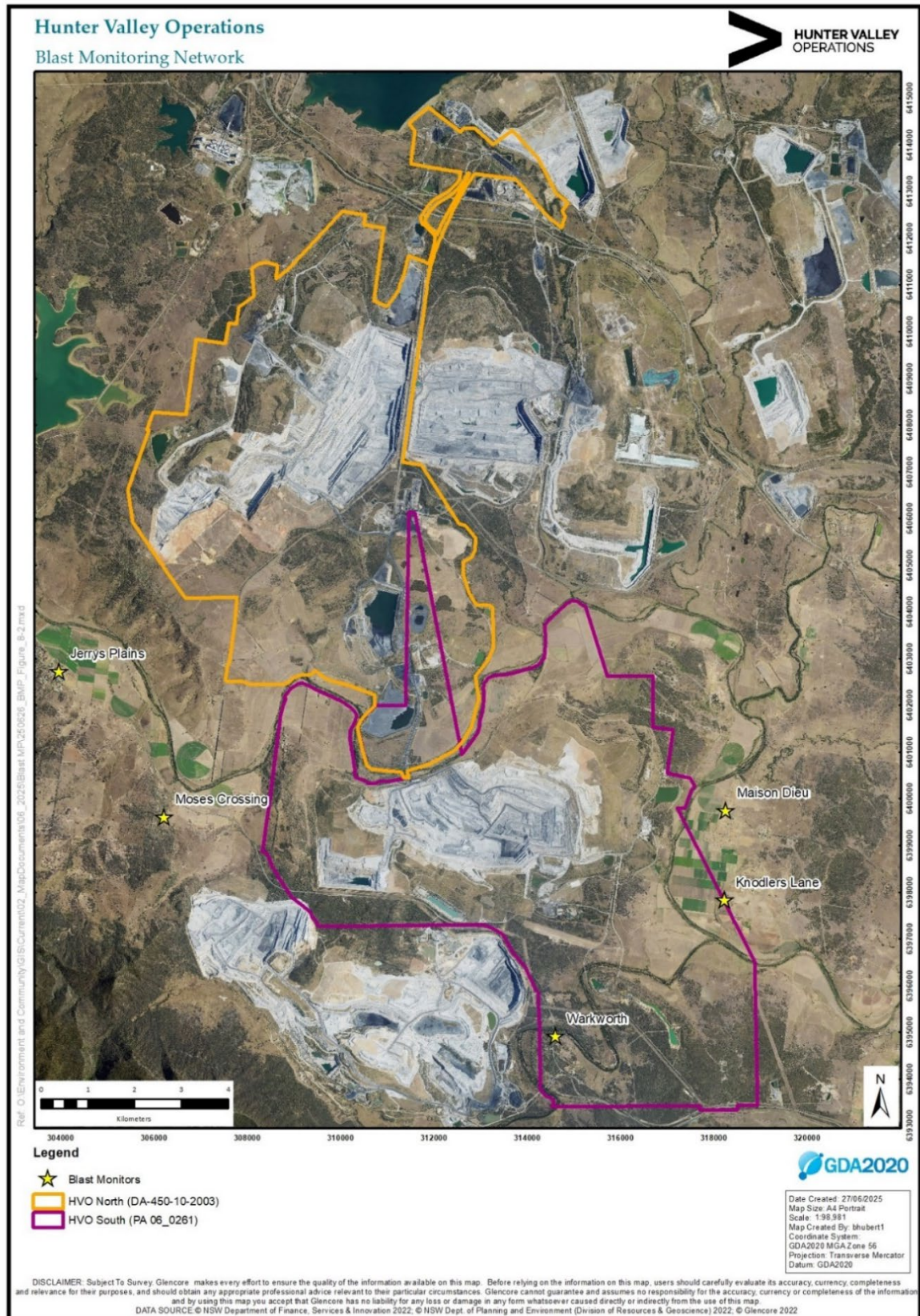
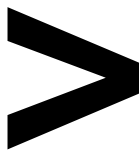


Figure 72 - Blast Monitoring Location Plan

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5 | NOISE

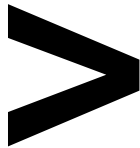
Routine attended noise monitoring occurs at defined locations around HVO, as described in the HVO Noise Monitoring Programme. The noise monitoring aims to quantify and describe the acoustic environment around the site and compare results with specified limits. The attended noise monitoring locations are displayed in Figure 73.

5.1 | ATTENDED NOISE MONITORING RESULTS

Attended monitoring was conducted at receiver locations around HVO during the night period of the 23/24 June 2026.

Compliance with the HVO noise impact limits ensures compliance with the land acquisition criteria. Therefore, since no noise impact exceedances occurred for the reporting period the land acquisition assessment has not been presented. These will only be reported in instances of noise impact exceedances.

Monitoring results are detailed in Table 5 and Table 6.



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Table 5 - LAeq,15minute and 1minute HVO North Against Impact Assessment Criteria for the Reporting Period

Location	Start date and time	Wind		Stability class	Limits apply? ¹	HVO North limits, dB		HVO North levels, dB ^{2,3}		Exceedances, dB ¹	
		Speed m/s	Direction ⁴			LAeq,15minute	LA1,1min	LAeq,15minute	LA1,1min	LAeq,15minute	LA1,1min
Shearers Lane	23/06/2026 22:00	1.0	113	E	Yes	35	46	IA	IA	Nil	Nil
Knodlers Lane	23/06/2026 22:41	0.5	124	E	Yes	35	46	IA	IA	Nil	Nil
Maison Dieu	23/06/2026 22:21	1.0	130	E	Yes	35	46	IA	IA	Nil	Nil
Long Point (Dights Crossing)	23/06/2026 23:11	0.1	345	D	Yes	35	46	IA	IA	Nil	Nil
Moses Crossing	23/06/2026 23:52	1.2	122	F	Yes	39	46	IA	IA	Nil	Nil
Jerrys Plains East	23/06/2026 23:31	0.7	327	E	Yes	39	46	NM	NM	Nil	Nil
Jerrys Plains Village	23/06/2026 22:19	1.0	130	E	Yes	40	46	31	40	Nil	Nil
Jerrys Plains West	23/06/2026 22:00	1.0	113	E	Yes	40	46	NM	NM	Nil	Nil

1. Noise emission limits are applicable if weather conditions were within parameters specified in monthly noise monitoring report. N/A in exceedance column indicates that limits were not applicable due to weather conditions.

2. Site-only LAeq,15minute, includes modifying factor penalties if applicable.

3. Site-only LA1,1minute based on measured site-only LMax as detailed in monthly noise monitoring report.

4. Degrees magnetic north, "-" indicates calm conditions.

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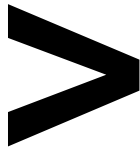
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REPORT JUNE 2026

Table 6 - LAeq,15minute and 1minute HVO South Against Impact Assessment Criteria for the Reporting Period

Location	Start date and time	Wind		Stability class	Limits apply? ¹	HVO South limits, dB		HVO South levels, dB ^{2,3}		Exceedances, dB ¹	
		Speed m/s	Direction ⁴			L _{Aeq,15minute}	L _{A1,1min}	L _{Aeq,15minute}	L _{A1,1min}	L _{Aeq,15minute}	L _{A1,1min}
Shearers Lane	23/06/2026 22:00	1.0	168	E	Yes	41	45	IA	IA	Nil	Nil
Knodlers Lane	23/06/2026 22:41	1.1	227	D	Yes	40	45	<20	<20	Nil	Nil
Maison Dieu	23/06/2026 22:21	1.3	206	D	Yes	39	45	IA	IA	Nil	Nil
Long Point (Dights Crossing)	23/06/2026 23:11	0.6	339	F	Yes	37	45	IA	IA	Nil	Nil
Moses Crossing	23/06/2026 23:52	1.1	335	F	Yes	39	45	28	30	Nil	Nil
Jerrys Plains East	23/06/2026 23:31	1.0	114	F	Yes	38	45	28	32	Nil	Nil
Jerrys Plains Village	23/06/2026 22:19	1.3	206	D	Yes	35	45	IA	IA	Nil	Nil
Jerrys Plains West	23/06/2026 22:00	1.0	168	E	Yes	35	45	IA	IA	Nil	Nil
HVGC	24/06/2026 00:19	1.3	321	F	Yes	55	-	39	46	Nil	-

1. Noise emission limits are applicable if weather conditions were within parameters specified in monthly noise monitoring report. N/A in exceedance column indicates that limits were not applicable due to weather conditions.

2. Site-only LAeq,15minute, includes modifying factor penalties if applicable.

3. Site-only LA1,1minute based on measured site-only LAmax as detailed in monthly noise monitoring report.

4. Degrees magnetic north, "-" indicates calm conditions.

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5.2 | LOW FREQUENCY ASSESSMENT

In accordance with the requirements of the EPA's Noise Policy for Industry (NPfI), the applicability of the low frequency modification penalty has been assessed. No penalties were applied for monitoring undertaken through the reporting period. The assessments for the low frequency noise are shown in Table 7 and Table 8.

Table 7 - Modifying Factor Assessment HVO North for the Reporting Period

Location	Start date and time	Measured HVO North L_{Aeq} dB	Limits apply? ¹	Intermittency modifying factor? ²	Tonality modifying factor? ²	Frequency of tonality	Low-frequency modifying factor? ²	Exceedance of reference spectrum ^{2,3}	Total penalty dB ^{2,3}
Shearers Lane	23/06/2026 22:00	IA	Yes	No	No	N/A	No	N/A	Nil
Knodlers Lane	23/06/2026 22:41	IA	Yes	No	No	N/A	No	N/A	Nil
Maison Dieu	23/06/2026 22:21	IA	Yes	No	No	N/A	No	N/A	Nil
Long Point (Dights Crossing)	23/06/2026 23:11	IA	Yes	No	No	N/A	No	N/A	Nil
Moses Crossing	23/06/2026 23:52	IA	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains East	23/06/2026 23:31	NM	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains Village	23/06/2026 22:19	31	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains West	23/06/2026 22:00	NM	Yes	No	No	N/A	No	N/A	Nil

1. Modifying factors are considered not applicable when noise limits are not applicable.

2. Yes/No denote modifying factor was or was not applied. N/A denotes assessment was 'not applicable' due to meteorological conditions or further assessment was not required.

3. Bold results indicate that application of NPfI modifying factor(s) is required.

Table 8 - Modifying Factor Assessment HVO South for the Reporting Period

Location	Start date and time	Measured HVO South LAeq dB	Limits apply? ¹	Intermittency modifying factor? ²	Tonality modifying factor? ²	Frequency of tonality ²	Low frequency modifying factor? ²	Exceedance of reference spectrum ^{2,3}	Total penalty dB ^{2,3}
Shearers Lane	23/06/2026 22:00	IA	Yes	No	No	N/A	No	N/A	Nil
Knodlers Lane	23/06/2026 22:41	<20	Yes	No	No	N/A	No	N/A	Nil
Maison Dieu	23/06/2026 22:21	IA	Yes	No	No	N/A	No	N/A	Nil
Long Point (Dights Crossing)	23/06/2026 23:11	IA	Yes	No	No	N/A	No	N/A	Nil
Moses Crossing	23/06/2026 23:52	28	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains East	23/06/2026 23:31	28	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains Village	23/06/2026 22:19	IA	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains West	23/06/2026 22:00	IA	Yes	No	No	N/A	No	N/A	Nil
HVGC	24/06/2026 00:19	39	Yes	No	No	N/A	No	N/A	Nil

1. Modifying factors are considered not applicable when noise limits are not applicable.

2. Yes/No denote modifying factor was or was not applied. N/A denotes assessment was 'not applicable' due to meteorological conditions or further assessment was not required.

3. Bold results indicate that application of NPfl modifying factor(s) is required.

5.3 | REAL TIME NOISE MONITORING

HVO utilises a network of real-time directional noise monitors to manage noise impacts on a continuous basis, shown in Figure 73. Noise alarms are in place at five monitoring locations (Knodlers Lane, Maison Dieu, Jerrys Plains, Moses Crossing and Long Point) which alert HVO staff to elevated noise levels that require investigation.

HVO investigates and responds to noise alarms with appropriate modification to operations. Changes in response to a noise alarm can include replacing equipment with alternative units, changing or relocating tasks, or shutting down equipment. It should be noted that this assessment does not compliment or conflict with attended noise monitoring detailed in **Section 5.1**. Real time monitoring data includes non-mine noise sources such as animals, road traffic, and weather.

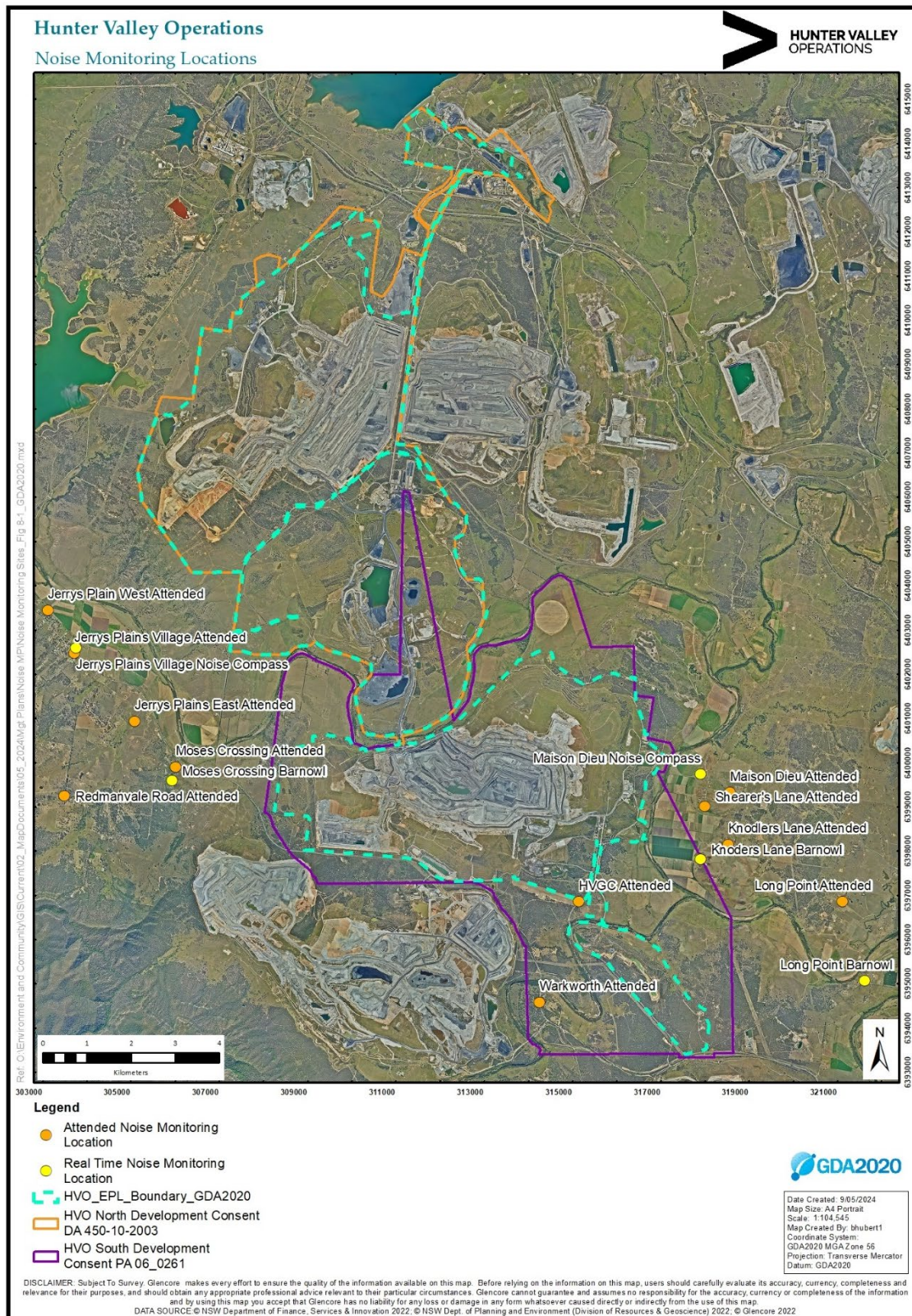
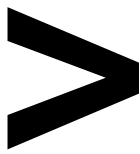


Figure 73 - Noise Monitoring Location Plan

6 | OPERATIONAL DOWNTIME

Real time monitoring and inspections for environmental factors recorded the following hours of equipment downtime during the reporting period:

- Zero (0) hours for dust, and
- Thirty point two (30.2) hours for noise.

Operational downtime by equipment type is show in Figure 74. Note that these delays are instances where operations were completely stopped and does not include occasions where operations were changed/modified but not stopped (e.g. changed from exposed dump to in-pit dump).

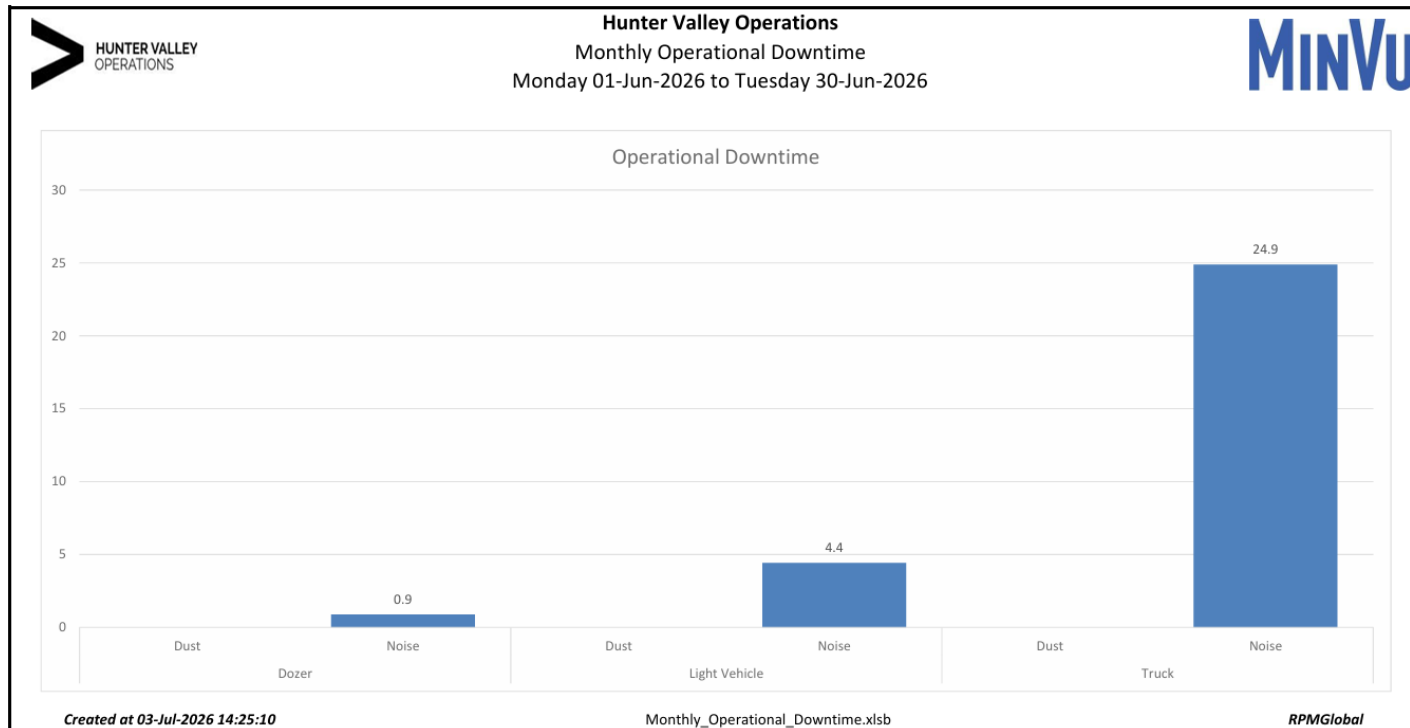
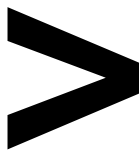


Figure 74 – Operational Downtime by Equipment Type for the Reporting Period



7 | REHABILITATION

The following activities related to rehabilitation were completed during the reporting period:

- 0.0 ha of land was released (became available for the application of topsoil);
- 1.85 ha of land was reshaped;
- 0.0 ha of land was topsoiled; and
- 0.0 ha of land was rehabilitated.

Year to date progress is shown in Figure 75.

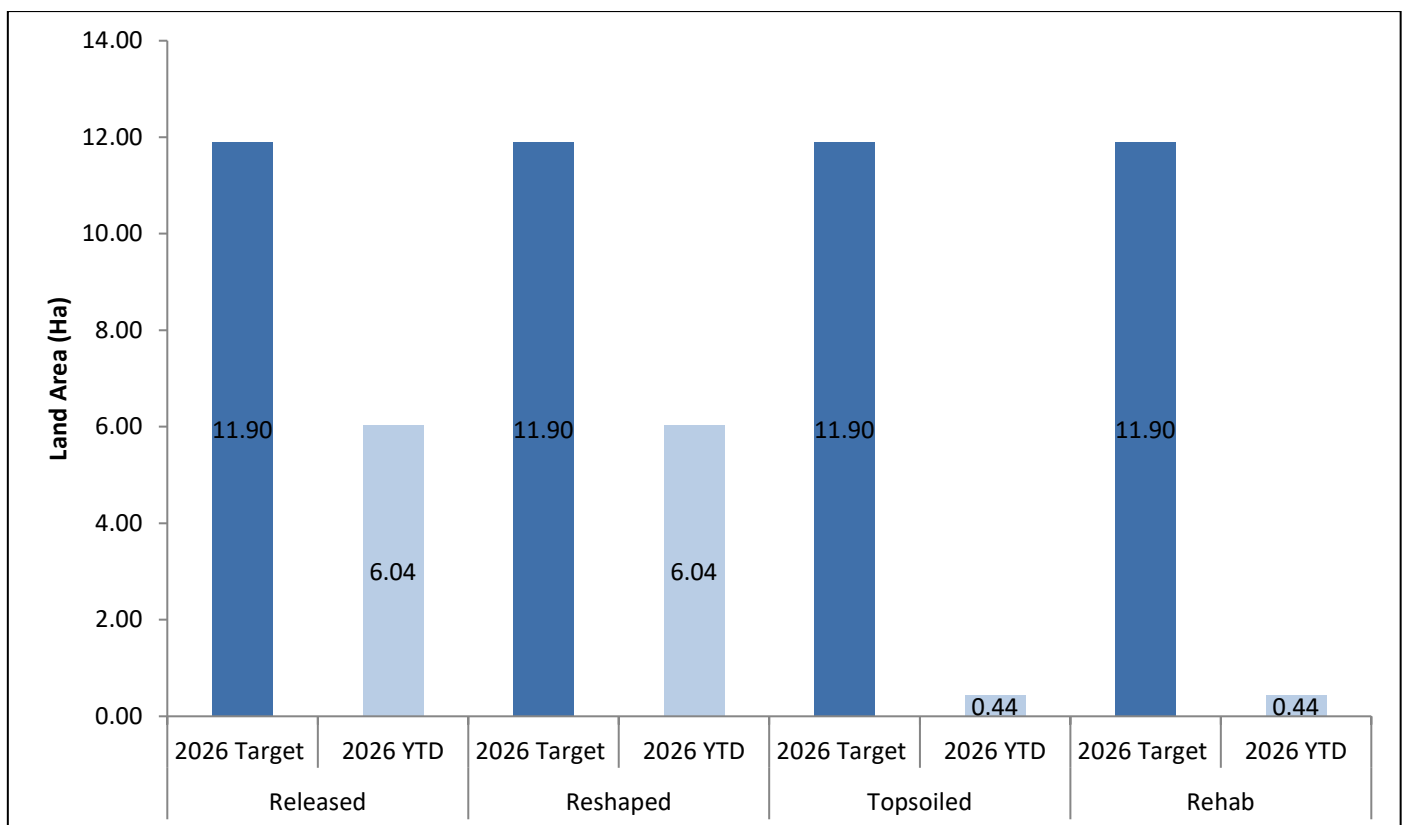


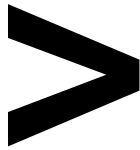
Figure 75 – Rehabilitation YTD June 2026

8 | COMPLAINTS

One (1) community complaint was received during the reporting period. Details of complaints received during 2026 are shown in **Table 11**.

Table 9 - Complaints Summary 2026

Complaint Number	Date	Time	Complainant ID	Nature of Complaint	Mode of Complaint	Brief Description and Response
No community complaints were received during January						
No community complaints were received during February						
1	5 March	7:33am	1	Traffic	Community Hotline	- A member of the community called the Community Complaints Hotline at 7:33am on 5 March 2026 regarding a near miss traffic incident at the intersection of Comleroi Road and Golden Highway at Warkworth on the evening of 4 March 2026 - A site-wide communication has been delivered to all employees and contractors regarding the importance of safe driving practices when driving to and from HVO
2	10 April	10:43am	2	Blast	Direct call to HVO Environment and Community Officer	- A resident of Jerrys Plains called a HVO environment and community officer directly at 10:43am regarding blast noise and vibration experienced at the time of the call - A member of the HVO Environment and Community team communicated that a blast occurred in West Pit at approximately 10:41am. No further meeting or follow up information was requested by the resident



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Complaint Number	Date	Time	Complainant ID	Nature of Complaint	Mode of Complaint	Brief Description and Response
						Monitoring data results from the Jerrys Plains Village blast monitor (closest to the resident's house) were below the relevant compliance limits for blast overpressure and vibration
3	10 April	11:19am	3	Blast	via HVO Community email	- A resident of Bridgman contacted HVO via the environment and community email at 11:19am regarding blast noise and vibration experienced at their residence - A member of the HVO environment and community team responded to the resident via email confirming the blast. The resident subsequently replied by email requesting a summary of the blast monitoring results, which were provided - Monitoring data results from the Maison Dieu blast monitor (closest to the residents house) were below the relevant compliance limits for blast overpressure and vibration
4	10 April	1:21pm	4	Blast	via EPA Environment Line	- A resident of Camberwell contacted the NSW EPA via its Environemnt Line regarding blast noise and vibration experienced at their residence - The EPA emailed HVO at 1:21pm and requested further information regarding the blast, which HVO provided in a report provided on 17 April 2026 - Monitoring data results from the Maison Dieu blast monitor (closest to Camberwell) were below the relevant compliance limits for blast overpressure and vibration
No community complaints were received during May						

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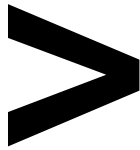
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Complaint Number	Date	Time	Complainant ID	Nature of Complaint	Mode of Complaint	Brief Description and Response
5	22 June	11:44am	5	Air quality	Community Hotline	- A resident of Putty Road, Mt Thorley contacted the HVO community complaints hotline regarding poor air quality on 22 June - Respective members of the HVO Environment and Community team undertook an air quality inspection, including review of HVO camera network and real-time monitoring data, as well as contacting the resident to discuss the issue - Rolling 24hr PM₁₀ average results (from HVO Knodlers Lane and Masion Dieu monitors) at the time of the complaint were below compliance criterion



9 | ENVIRONMENTAL INCIDENTS

No reportable environmental incident occurred during this reporting period.



APPENDIX A: METEOROLOGICAL DATA (HVO CORPORATE)

Date	Air Temp Max (°C)	Air Temp Min (°C)	Relative Humidity (Max %)	Relative Humidity (Min %)	Solar Radiation Maximum (W/Sq. M)	Average Wind Direction (°)	Average Wind Speed (m/sec)	Rainfall (mm)
1/06/2026	15.61	7.00	79.21	42.97	550.1	282.7	3.50	0.0
2/06/2026	17.17	10.06	83.40	41.75	434.5	279.2	4.27	4.8
3/06/2026	17.75	12.02	78.93	44.94	571.5	282.1	5.99	0.0
4/06/2026	15.41	9.22	74.40	51.89	431.1	284.5	6.38	1.6
5/06/2026	15.28	9.23	76.76	56.39	510.9	286.7	4.85	0.0
6/06/2026	15.83	6.91	74.71	44.83	529.8	292.0	1.93	0.0
7/06/2026	16.54	5.06	87.20	54.25	534.5	207.2	1.44	0.0
8/06/2026	16.61	7.55	95.40	68.11	505.6	136.8	1.44	0.0
9/06/2026	16.48	10.36	95.90	67.91	375.2	145.5	0.74	0.2
10/06/2026	21.20	10.42	93.60	51.52	450.9	179.3	0.76	0.0
11/06/2026	16.12	13.51	93.80	77.80	200.8	253.0	1.12	2.2
12/06/2026	18.42	13.48	92.80	71.88	359.2	112.7	0.95	0.0
13/06/2026	19.37	11.71	95.50	61.09	463.8	266.5	1.10	0.0
14/06/2026	19.14	12.92	86.30	59.83	465.2	243.3	1.65	0.0
15/06/2026	16.13	12.27	94.80	76.16	360.4	125.5	2.40	1.6
16/06/2026	19.48	9.61	94.80	54.98	507.0	223.6	0.76	0.2
17/06/2026	18.58	11.24	89.20	64.99	270.3	264.4	1.37	0.2
18/06/2026	19.04	12.27	89.80	50.61	458.5	281.8	2.14	0.0
19/06/2026	16.29	13.62	79.36	61.39	212.0	276.9	4.09	0.0
20/06/2026	16.38	10.81	79.45	52.84	476.4	287.1	3.63	0.0
21/06/2026	16.33	8.39	85.60	45.32	510.8	269.3	2.08	0.0
22/06/2026	15.50	6.60	86.80	49.16	482.9	269.9	1.40	0.0
23/06/2026	15.42	5.61	80.40	47.60	476.6	248.8	1.54	0.0
24/06/2026	16.05	4.80	90.90	44.37	487.2	214.3	0.97	0.0
25/06/2026	13.63	8.52	89.20	73.33	159.3	136.0	1.39	0.0
26/06/2026	14.76	8.63	94.10	62.90	372.4	118.5	1.36	0.0
27/06/2026	14.34	7.09	94.40	65.89	338.7	93.5	1.52	0.0
28/06/2026	15.55	9.66	92.10	65.10	300.0	105.2	1.71	0.0
29/06/2026	16.44	9.33	94.10	66.36	435.0	119.8	1.34	0.0
30/06/2026	16.43	10.75	95.90	68.46	324.9	169.7	0.85	0.6