



DAEWG Meeting

19 November 2025

Agenda

Dublin Airport Environmental Working Group

19 November 2025

17.00 at Carlton Hotel, Dublin Airport

1. Apologies
2. Minutes of Previous Meeting
3. Matters Arising
4. Dublin Airport Update
5. Air and Water Quality
6. Noise and Flight Track Monitoring
7. Fingal County Council Planning Applications
8. Members Update
9. AOB



daa Actions from Previous Meeting

Michelle Molloy
Community Engagement Manager

No	Issue	daa response
1.	Following the members discussion regarding the EPA Air Quality in Ireland report 2024, AK advised she will bring further information relating to water and trends.	Information will be provided as part of the Air Quality update
2.	GD requested information regarding the use of electric vehicles in the coach park by third parties.	Information will be provided as part of the Air Quality update
3.	JH requested breakdown information of coach park buses from outside of Leinster.	Information will be provided as part of the Air Quality update



Dublin Airport Update

Michelle Molloy
Community Engagement Manager

- daa welcomed 3.2m passengers through Dublin Airport in October, an 8% increase year-on-year.
- Dublin Airport received approval from An Coimisiún Pleanála for its new observation facility at the site of “The Mound” on the Old Airport Road.
- daa welcomes the approval of planning permission for the MetroLink project which will provide an efficient transport link between Swords, Dublin Airport and Dublin city centre.
- daa announced the award of the contract to construct the new West Apron Vehicle Underpass at Dublin Airport to the Sacyr and Wills joint venture.
- From 18 September last, the old 100ml liquids rule is being relaxed with departing passengers permitted to carry up to 2 litres in their hand luggage, while liquids and gels no longer need to be packed into clear plastic bags.
- Several local schools will receive funding under Elevate '25, Dublin Airport's €2 million school support programme, and a celebration event with successful applicants is taking place on 21 November.



New Cargo Facility

- daa is proposing a new Cargo Facility adjacent Dardistown Cross which will include a bridge over the R132 from the south apron.
- daa will submit its planning application to Fingal County Council for the proposed facility in the coming weeks.

Temporary Noise Monitors

- The current rotation runs to end-January/start-February 2026 and nominations for new locations are required by mid-January 2026.
- daa has received requests from residents in Rivervalley North, Balgriffin and Portmarnock. For DAEWG consideration, please.



CLG	Location	Duration
NMT1	Swords	Feb-25 to Jul-25
	Rivermeade	Jul-25 to Jan-26
		Jan-26 to Jun-26
NMT2	Ballystrahan	Jun-25 to Jan-26
		Jan-26 to Jun-26
NMT3	Forest Road	Sept-25 to Oct-25
		Jan-26 to Jun-26

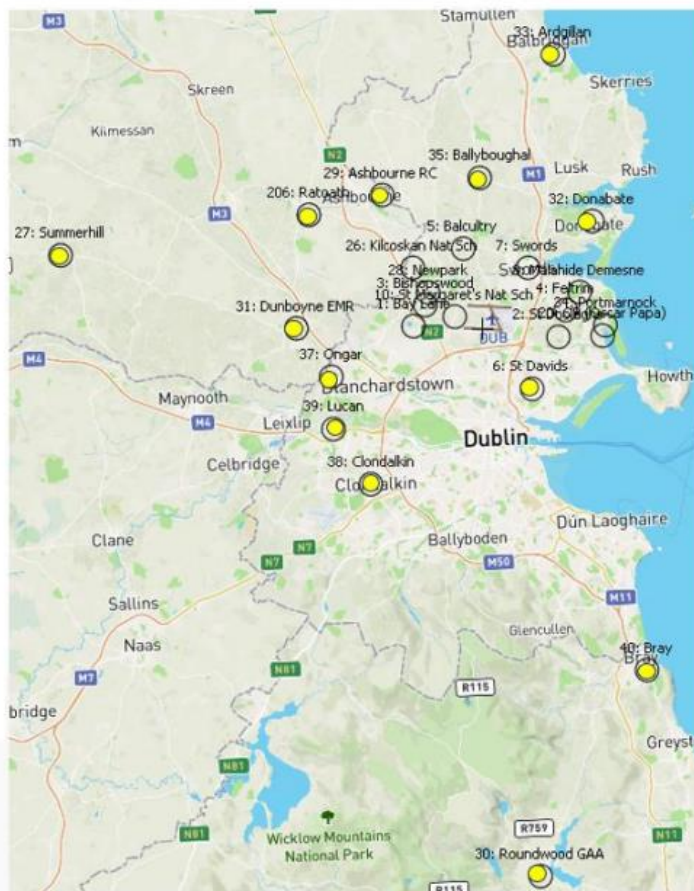
Noise and Flight Track Monitoring Reports

Noise and Flight Track Monitoring, daa

	Q3 Noise and Flight Track Monitoring Report
1	Noise Monitoring Terminal (NMT) network
2	Measured noise levels in Q3
3	Comparison with 2024 Annual Noise Contours – Lden and Lnight
4	Single Event Metrics – Lmax and SEL measurements
5	92-day Summer metrics – Leq 16h and Leq 8h
6	Flight Tracks Monitoring

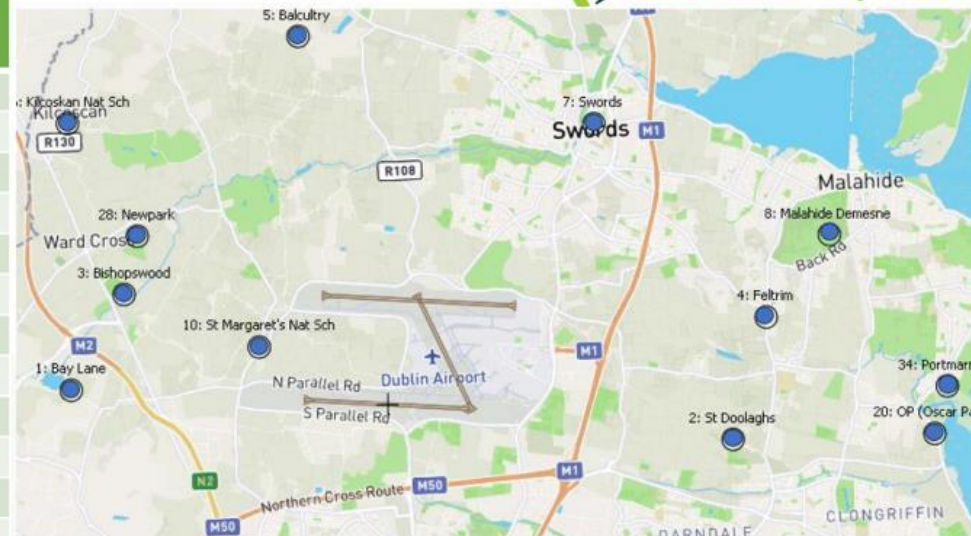
Q3 2025 Noise and Flight Track Monitoring Report

Permanent Noise Monitoring Terminal (NMT) Locations Q3 2025



● = Permanent NMTs located further out from Dublin Airport

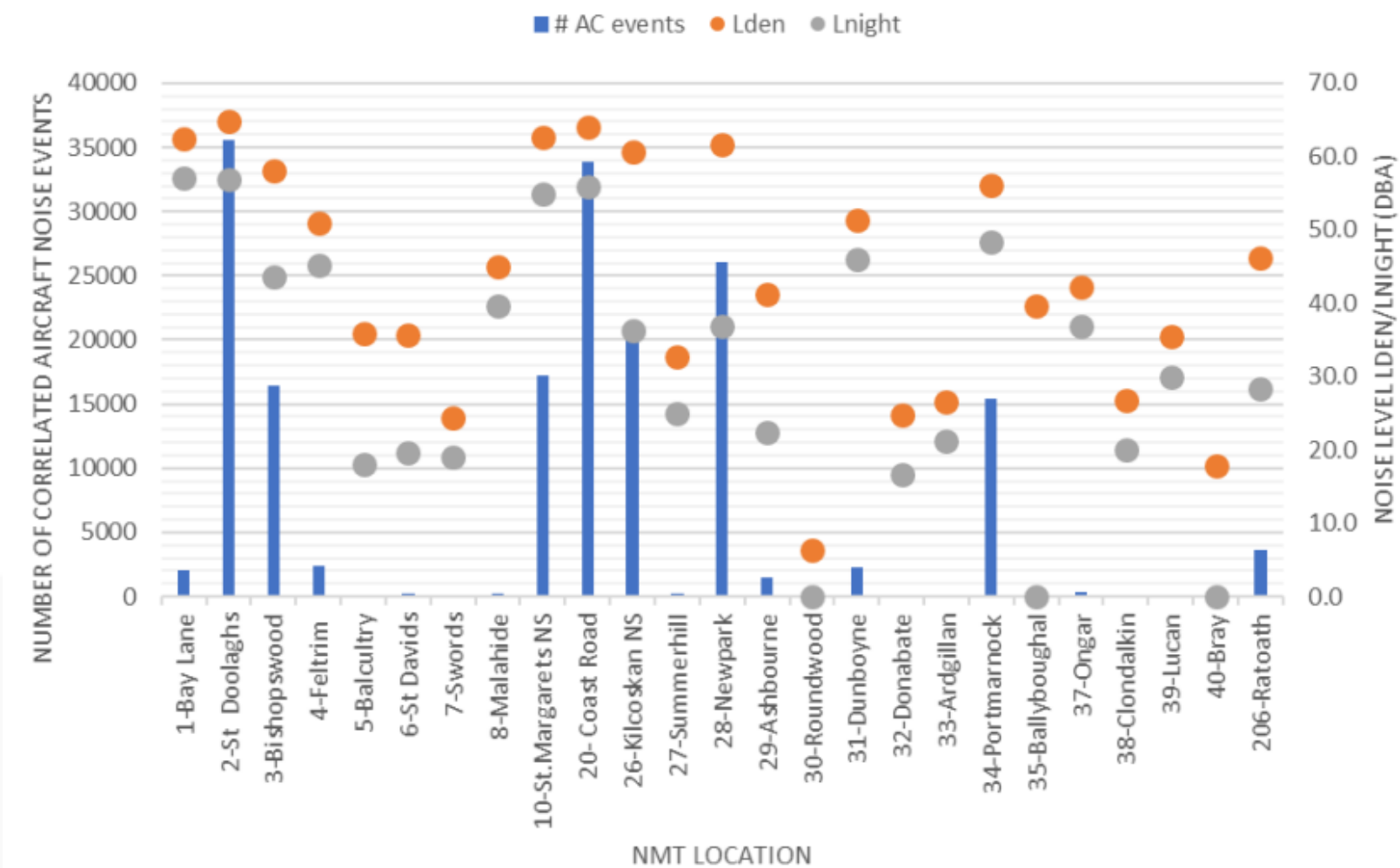
#	NMT Name	Since
1	Bay Lane	2015
2	St. Doolaghs	2015
3	Bishopswood	2015
4	Feltrim	2015
5	Balcultry	2015
6	St.Davids	2015
7	Swords	07/2022
8	Malahide	07/2022
10	St.Margarets NS	07/2022
20	Coast Rd (OP)	2015
26	Kilcoskan NS	12/2022
27	Summerhill	09/2023
28	Newpark	09/2023
29	Ashbourne	09/2023
30	Roundwood	09/2023
31	Dunboyne	09/2023
32	Donabate	09/2023
33	Ardgillan	01/2024
34	Portmarnock	06/2024
35	Ballyboughal	06/2024
37	Ongar	08/2024
38	Clondalkin	08/2024
39	Lucan	08/2024
40	Bray	08/2024
206	Ratoath	03/2024



● = Permanent NMTs located near Dublin Airport

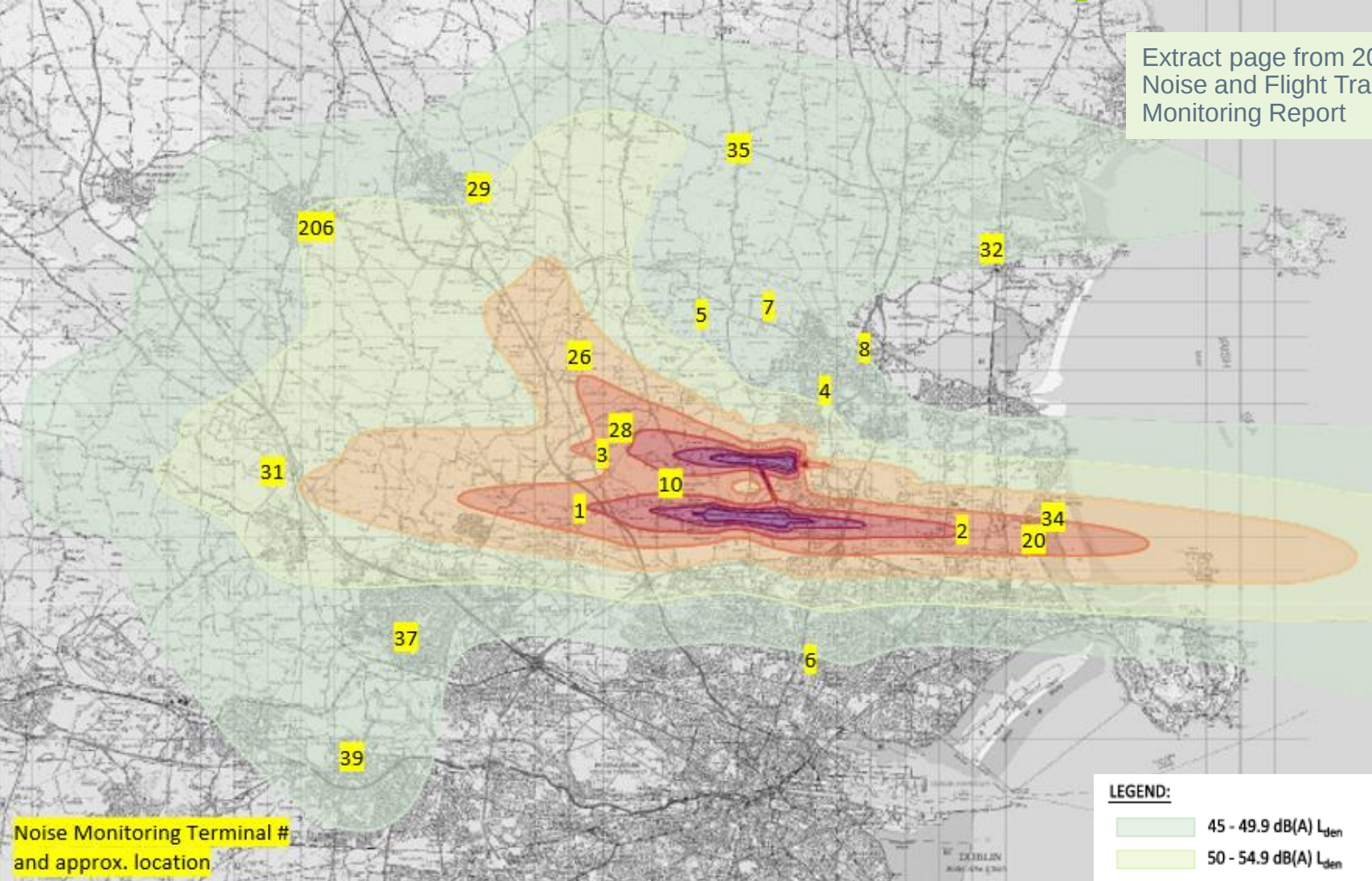
Q3 2025 Noise and Flight Track Monitoring Report

Q3 2025 Aircraft Noise Events and Noise Levels (Lden/Lnight)



Modelled Lden Noise Contour Levels at Permanent NMT Locations

#	NMT Name	Lden 2023	Lden 2024
1	Bay Lane	65	64.0
2	St. Doolaghs	65	64.8
3	Bishopswood	60	61.1
4	Feltrim	54	54.1
5	Balcultry	49	49.2
6	St.Davids	44	43.3
7	Swords	45	45.7
8	Malahide	46	46.3
10	St.Margarets NS	63	63.7
20	Coast Rd (OP)	63	62.7
26	Kilcoskan NS	58	59.5
27	Summerhill	38	35.8
28	Newpark	60	61.8
29	Ashbourne	49	50.0
30	Roundwood	36	37.7
31	Dunboyne	54	53.1
32	Donabate	45	45.1
33	Ardgillan	33	33.3
34	Portmarnock	54	58.2
35	Ballyboughal	47	49.0
37	Ongar	49	48.3
38	Clondalkin		43.4
39	Lucan	46	46.0
40	Bray		33.6
206	Ratoath	47	50.5



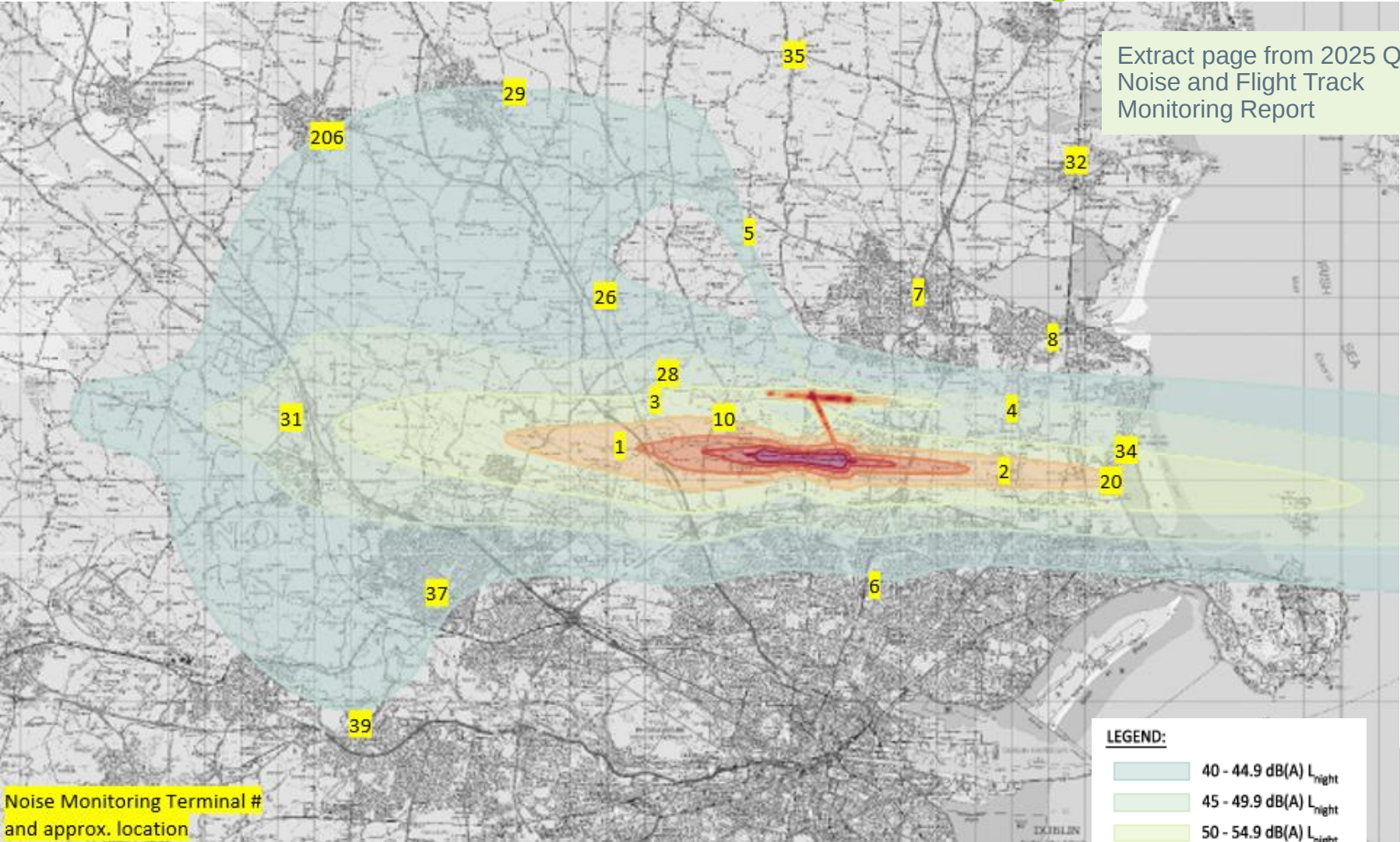
Map of 2024 Lden Annual Noise contours

5 NMT (27, 30, 33, 38, 40) are located outside this map's boundaries

Including Permanent NMT installations

Modelled Night Noise Contour Levels at Permanent NMT Locations

#	NMT Name	Lnight 2023	Lnight 2024
1	Bay Lane	58.5	58.4
2	St. Doolaghs	57.0	57.0
3	Bishopswood	49.1	49.4
4	Feltrim	46.4	47.3
5	Balcultry	39.0	40.5
6	St.Davids	36.0	36.3
7	Swords	36.7	36.9
8	Malahide	38.4	38.5
10	St.Margarets NS	55.2	55.7
20	Coast Rd (OP)	55.0	55.0
26	Kilcoskan NS	40.5	40.4
27	Summerhill	31.3	28.1
28	Newpark	44.6	44.9
29	Ashbourne	39.3	40.1
30	Roundwood	28.3	30.1
31	Dunboyne	47.0	47.2
32	Donabate	36.7	37.2
33	Ardgillan	23.8	23.4
34	Portmarnock		50.3
35	Ballyboughal		36.9
37	Ongar		42.3
38	Clondalkin		36.8
39	Lucan		39.7
40	Bray		24.9
206	Ratoath		40.5



Map of 2024 Night Annual Noise contours

5 NMT (27, 30, 33, 38, 40) are located outside this map’s boundaries

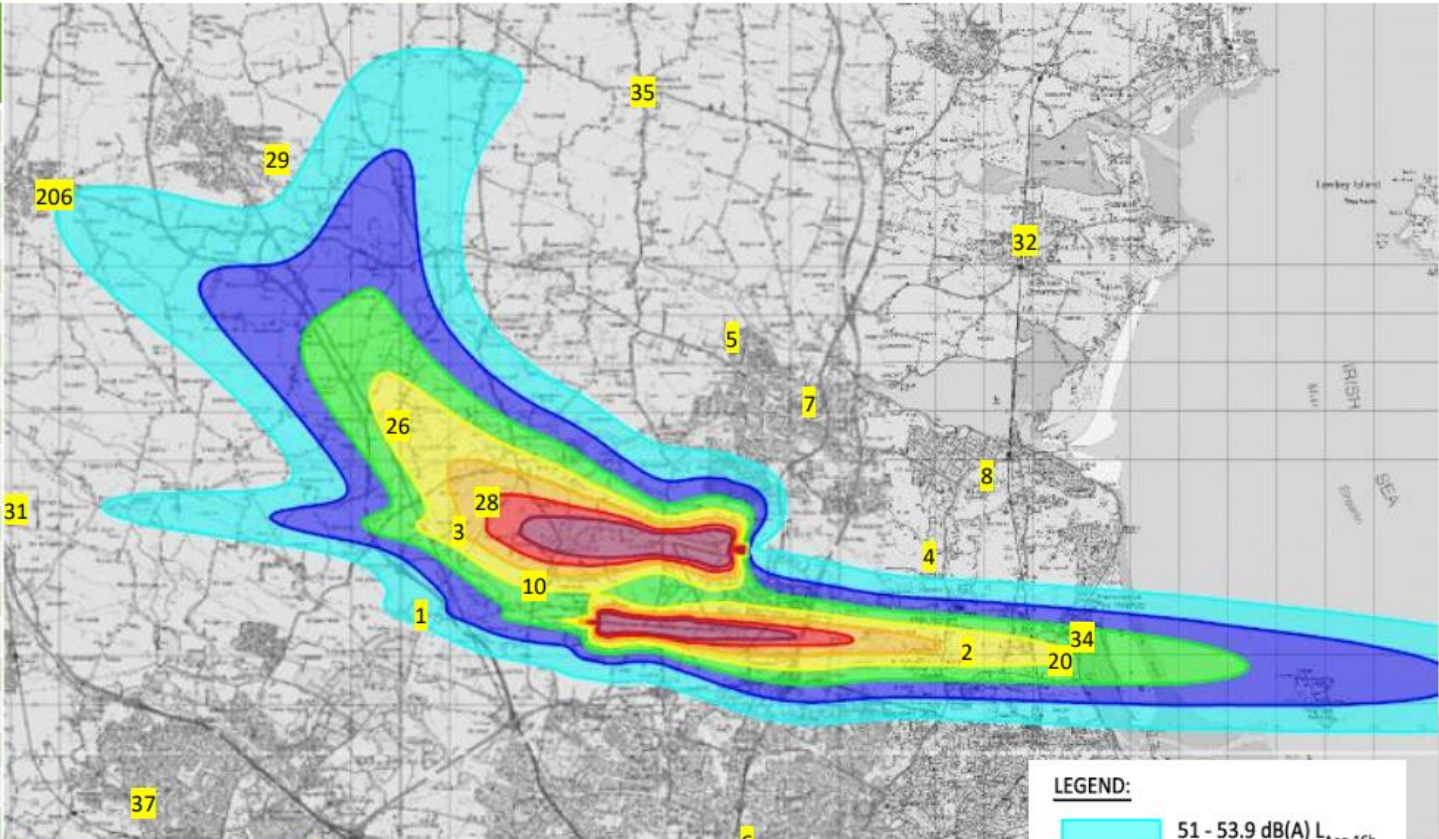
Including Permanent NMT installations

Q3 2025 Noise and Flight Track Monitoring Report

92-day Summer Day – Modelled Contours and Measured NMT Levels



#	NMT Name	Leq 16h 2024 (Model)	Leq16 2023 (NMT)	Leq16 2024 (NMT)	Leq16 2025 (NMT)
1	Bay Lane	51.5	53.9	48.1	42.6 (45d)
2	St. Doolaghs	61.9	61.2	61.2	61.7
3	Bishopswood	60.7	57.8	58.1	58.0
4	Feltrim	48.8	43.7	49.8	43.4
5	Balcultry	47.4	41.7	33.5	37.4
6	St.Davids	39.3	36.5	38.3	37.4
7	Swords	44.4	50.1	38.5	22.2
8	Malahide	42.7	32.2	34.4	19.5
10	St.Margarets NS	61.9	60.5	60.4	59.2
20	Coast Rd (OP)	59.9	59.7	59.5 (37d)	61.4
26	Kilcoskan NS	60.9	61.4	62.0	61.1
27	Summerhill	32.6	35.0	29.0	29.7
28	Newpark	63.1	62.8	62.9	61.9
29	Ashbourne	49.7	31.7	41.8	41.1
30	Roundwood	35.9	17.6	22.4	0.0
31	Dunboyne	44.9	40.1	35.9	30.5
32	Donabate	42.6	0.0	31.7	26.5
33	Ardgillan	32.6		26.8	14.9
34	Portmarnock	55.2		51.0	53.0
35	Ballyboughal	49.1		39.2	40.3
37	Ongar	41.9			25.6
38	Clondalkin	39.6			20.0
39	Lucan	41.2			19.1
40	Bray	30.4			28.0
206	Ratoath	50.5		49.1	46.7



Noise Monitoring Terminal # and approx. location

Map of 2024 Leq16 Summer Day Noise contours

6 NMT (27, 30, 33, 38, 39 and 40) are located outside this map's boundaries including Perimeter installations only

LEGEND:

51 - 53.9 dB(A) $L_{Aeq,16h}$

54 - 56.9 dB(A) $L_{Aeq,16h}$

57 - 59.9 dB(A) $L_{Aeq,16h}$

60 - 62.9 dB(A) $L_{Aeq,16h}$

63 - 65.9 dB(A) $L_{Aeq,16h}$

66 - 68.9 dB(A) $L_{Aeq,16h}$

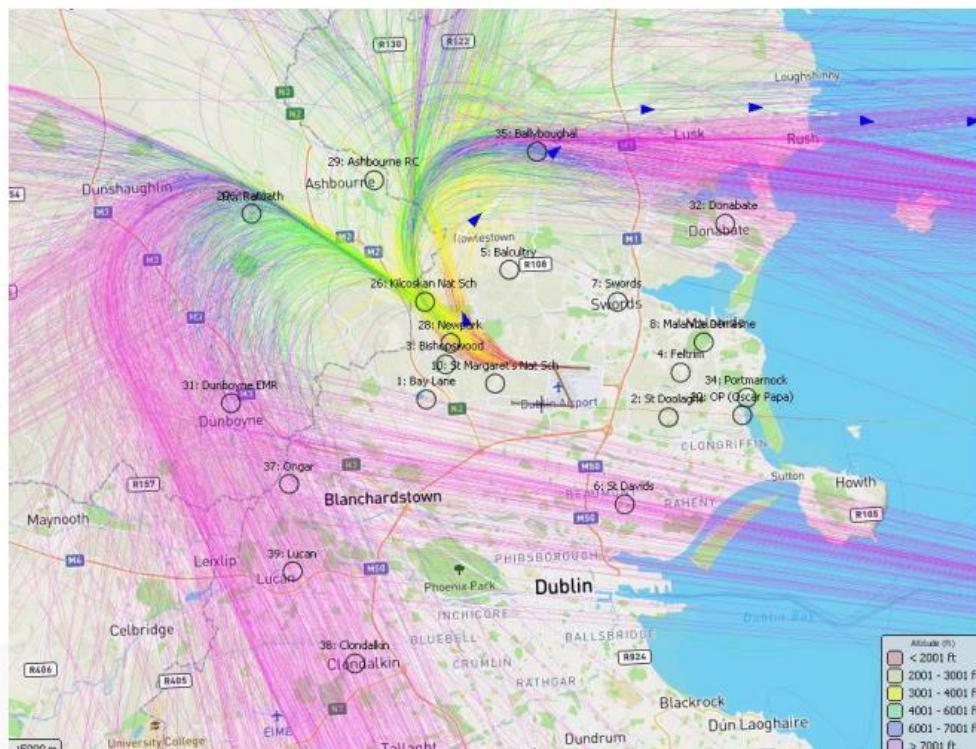
69+ dB(A) $L_{Aeq,16h}$

Q3 2025 Noise and Flight Track Monitoring Report

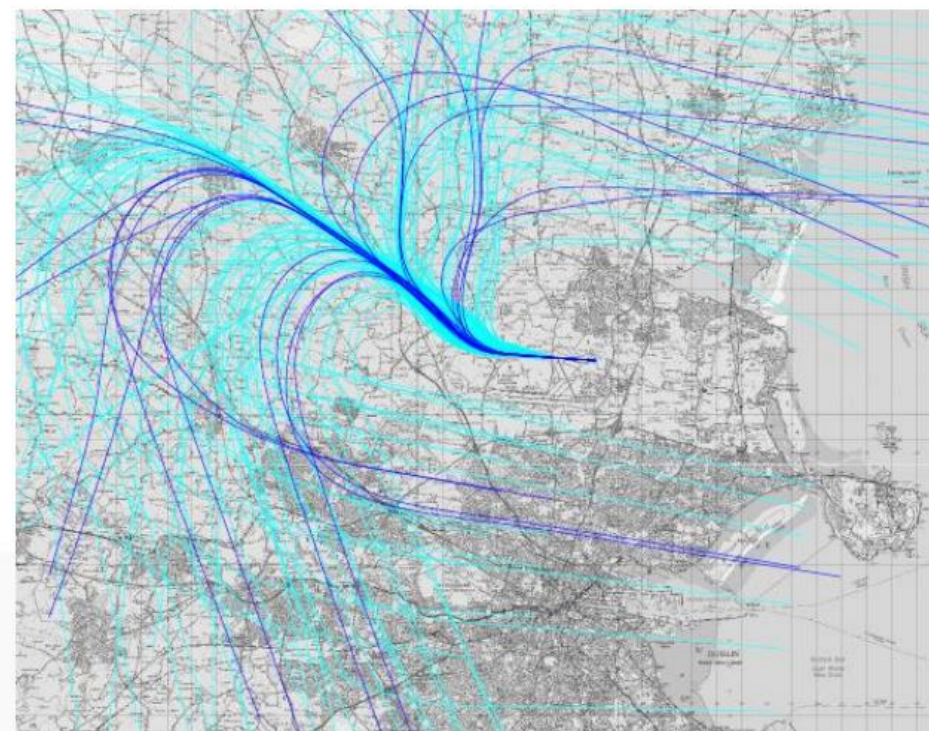
Noise Contour Modelling (2) – Dispersed Flight Tracks



In practice, the spread or scatter of actual flight tracks is modelled by creating dispersed tracks either side of the central or main track as shown.



Actual (Monitored) Flight Paths:
North Runway (28R) – westerly departures
7-20 Aug 2025



Modelled Departure Flight Paths:
North Runway (28R) – westerly operations
Dark blue = centreline flight paths
Light blue = dispersion flight paths



Surface Water and Air Quality Reports

Aine Kirrane

Environmental Sustainability Officer, daa

Surface Water Monitoring locations

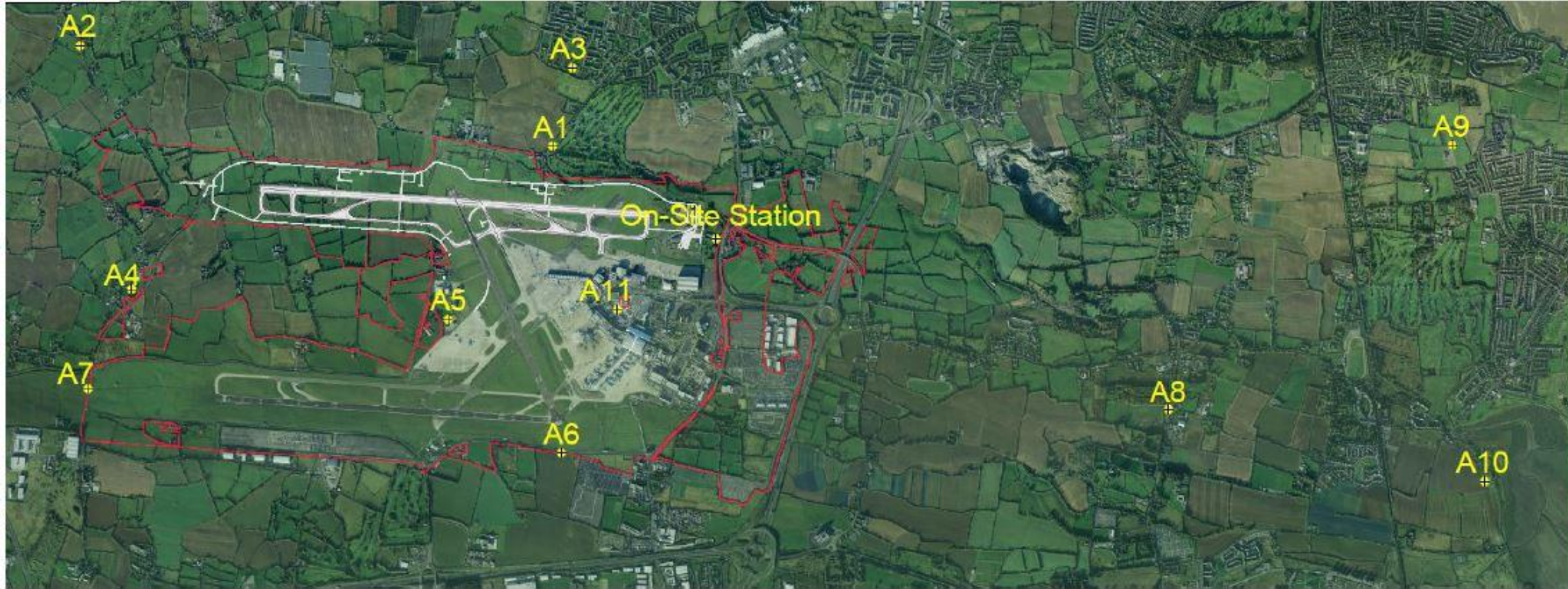


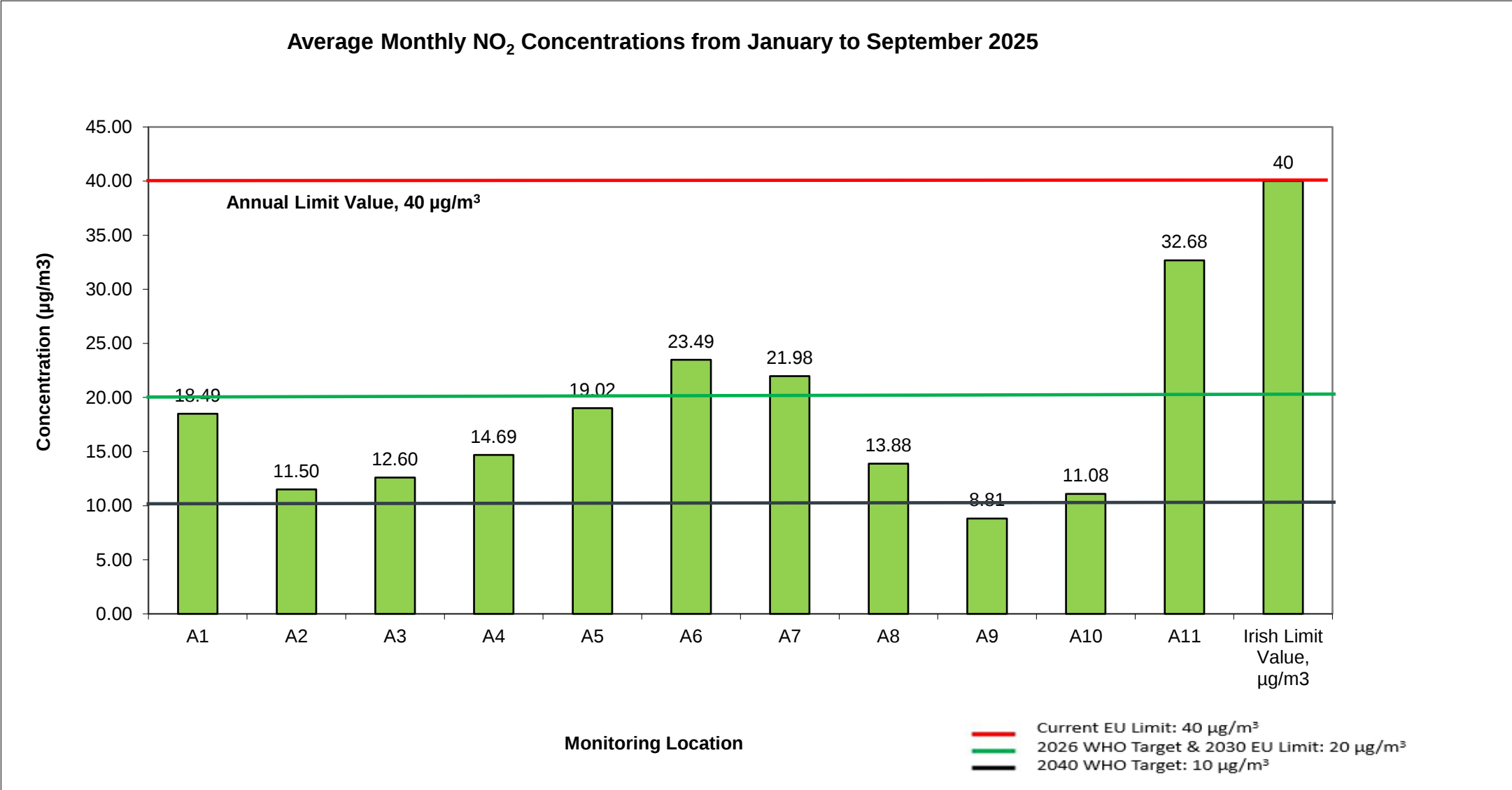
Sample locations - entering daa lands												
Month	C1- Cuckoo Stream			C4- Cuckoo Stream			S1 - Santry Stream*			M1- Mayne Stream*		
	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L
September	1.8	28	0.08	2.3	50	0.09	-			-		
October	<4	22	0.13	2	86	0.06	-			-		

Sample locations - on daa lands												
Month	K2 - Kealys Stream			NRML 7 - Forrest Little			W1 - Wad Stream*			NRML 1 - Ward Stream*		
	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L
September	1.2	12	0.3	0.7	7	<0.01	-			-		
October	1.3	51	0.04	1.1	19	0.03	0.7	<5	0.01	0.6	25	0.02

Sample locations - leaving daa lands									
Month	C9 - Cuckoo Stream**			M5- Mayne Stream***			S3 - Santry Stream		
	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L
September	1.2	13	0.01	1.3	35	0.03	0.4	<5	<0.01
				0.8	17	0.02			
	1	14	0.02	1.5	18	0.02			
				1.1	21	0.02			
				0.8	14	0.02			
October	0.9	8	0.02	0.8	10	0.01	1.2	20	0.02
	0.8	11	7.8	1.1	17	0.02			
				1.3	16	0.03			
				1.3	<5	0.01			
*quarterly sample									
**twice monthly sample									
***weekly sample									

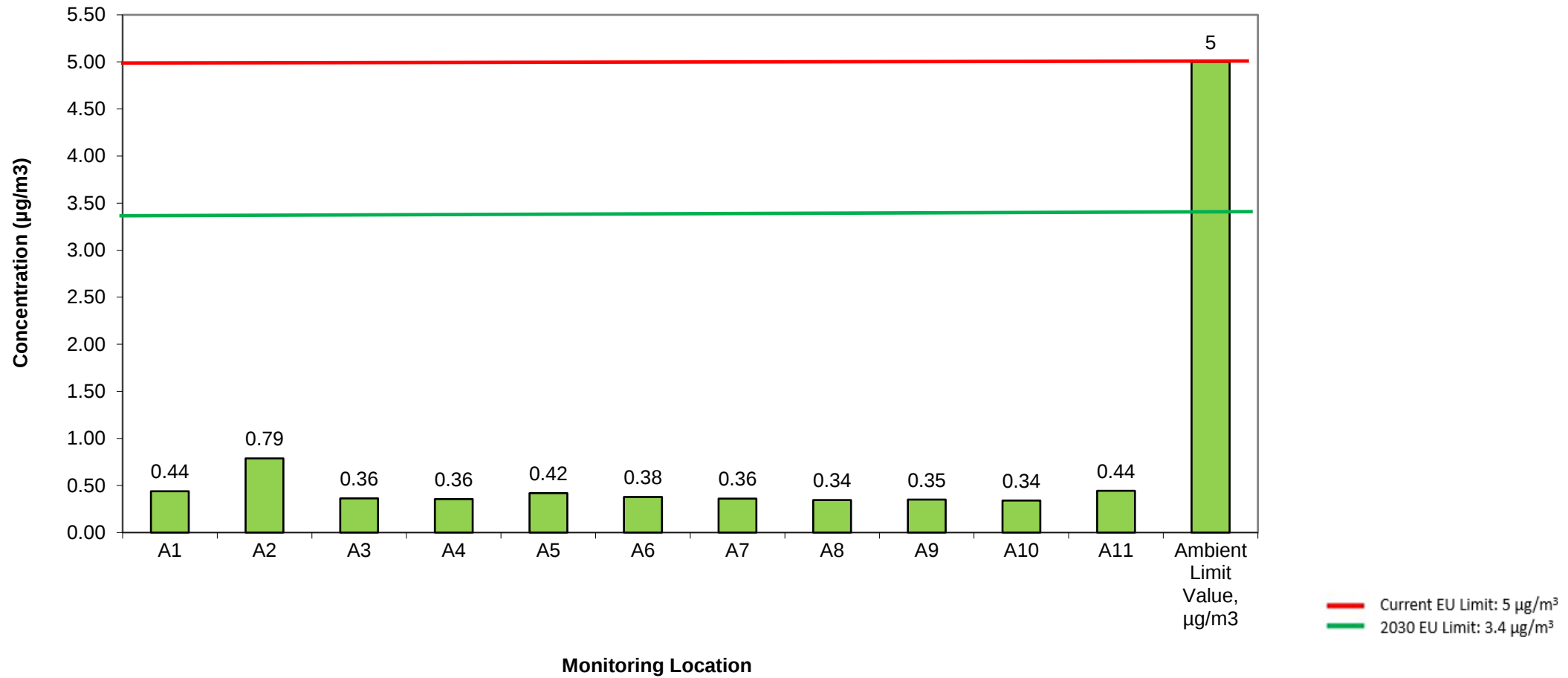
Dublin Airport Air Quality Monitoring locations





Passive Sampling Air Quality Monitoring Results

Average Monthly Benzene Concentrations from January to September 2025



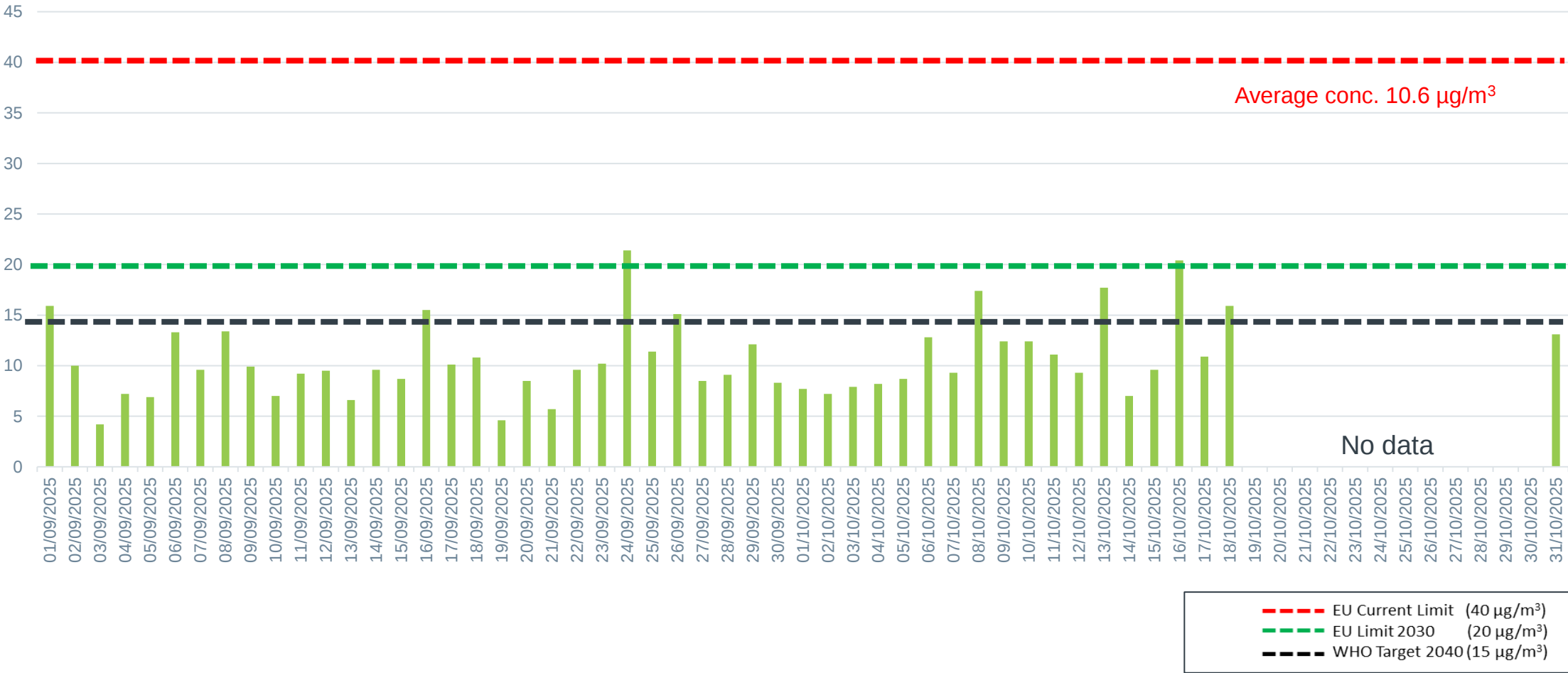
Daily Average NO₂ Concentration: September - October 2025



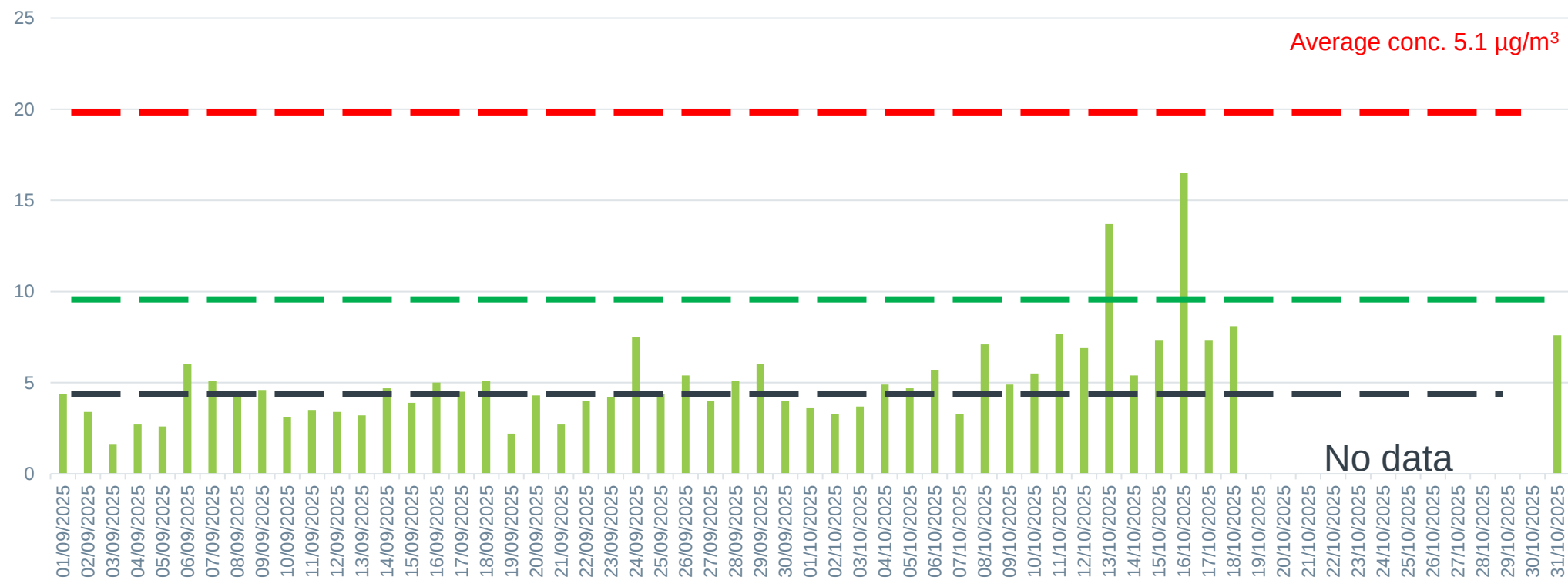
Note: NO_x analyser fault on 12th September and did not record for the rest of the month.

— Current EU Limit: 40 µg/m³
— 2026 WHO Target & 2030 EU Limit: 20 µg/m³
— 2040 WHO Target: 10 µg/m³

Daily Average PM₁₀ Concentration: September - October 2025



Daily Average PM_{2.5} Concentration: September - October 2025



--- EU Current Limit (20 µg/m³)
--- EU Limit 2030 (10 µg/m³)
--- WHO Target 2040 (5 µg/m³)

- Bussing queries
 - % buses outside Leinster
 - Hotel buses
- EPA air quality in Ireland report
 - Source of reported 1,700 premature deaths in Ireland due to fine particulate air pollution
 - Report: [Air Pollution and Mortality on the Island of Ireland \(TU Dublin, Queens University Belfast\)](#)
- Biological Water Monitoring
- AQ monitoring results – trend graph

National Biological Water Monitoring



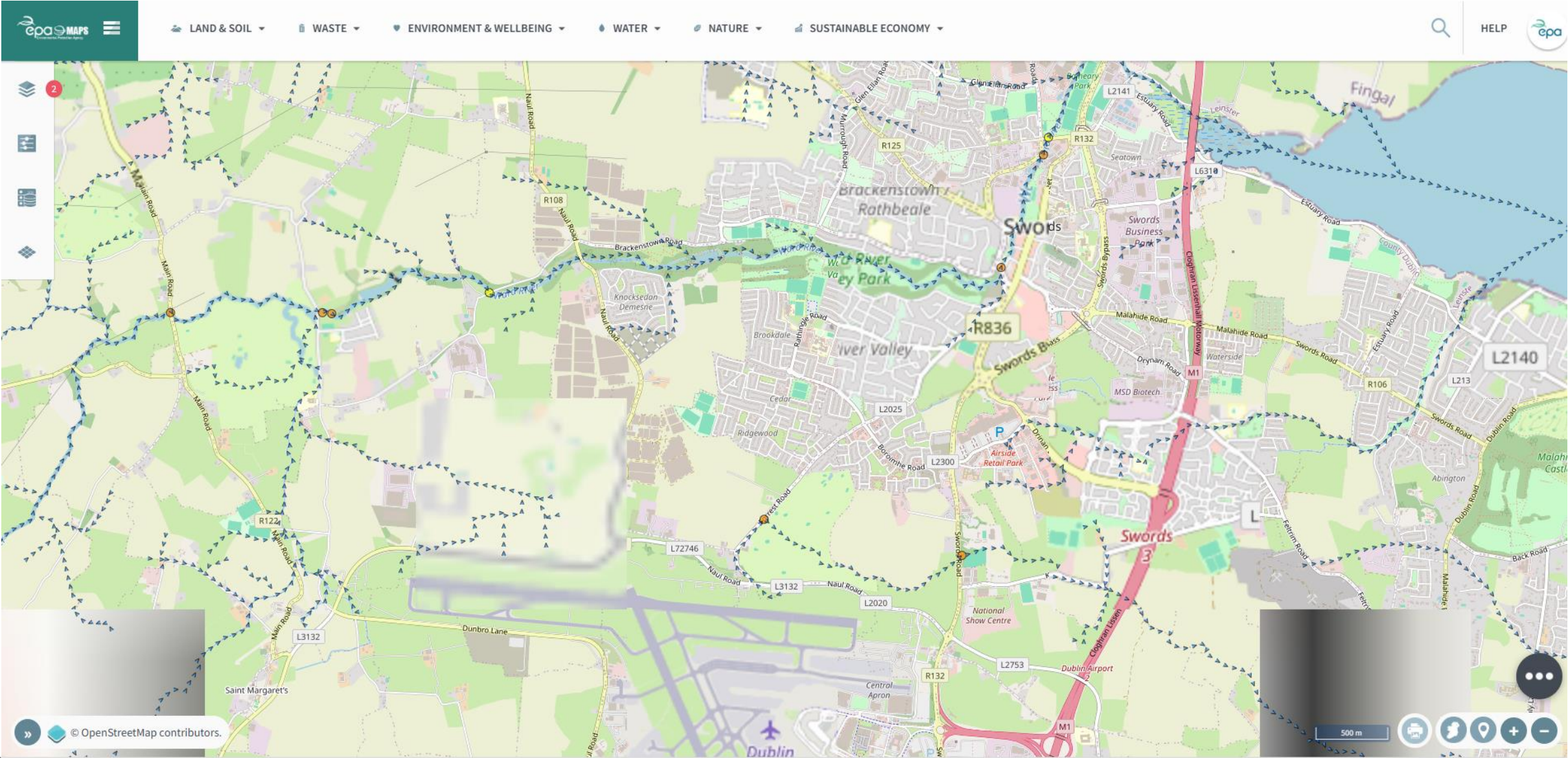
Environmental Protection Agency

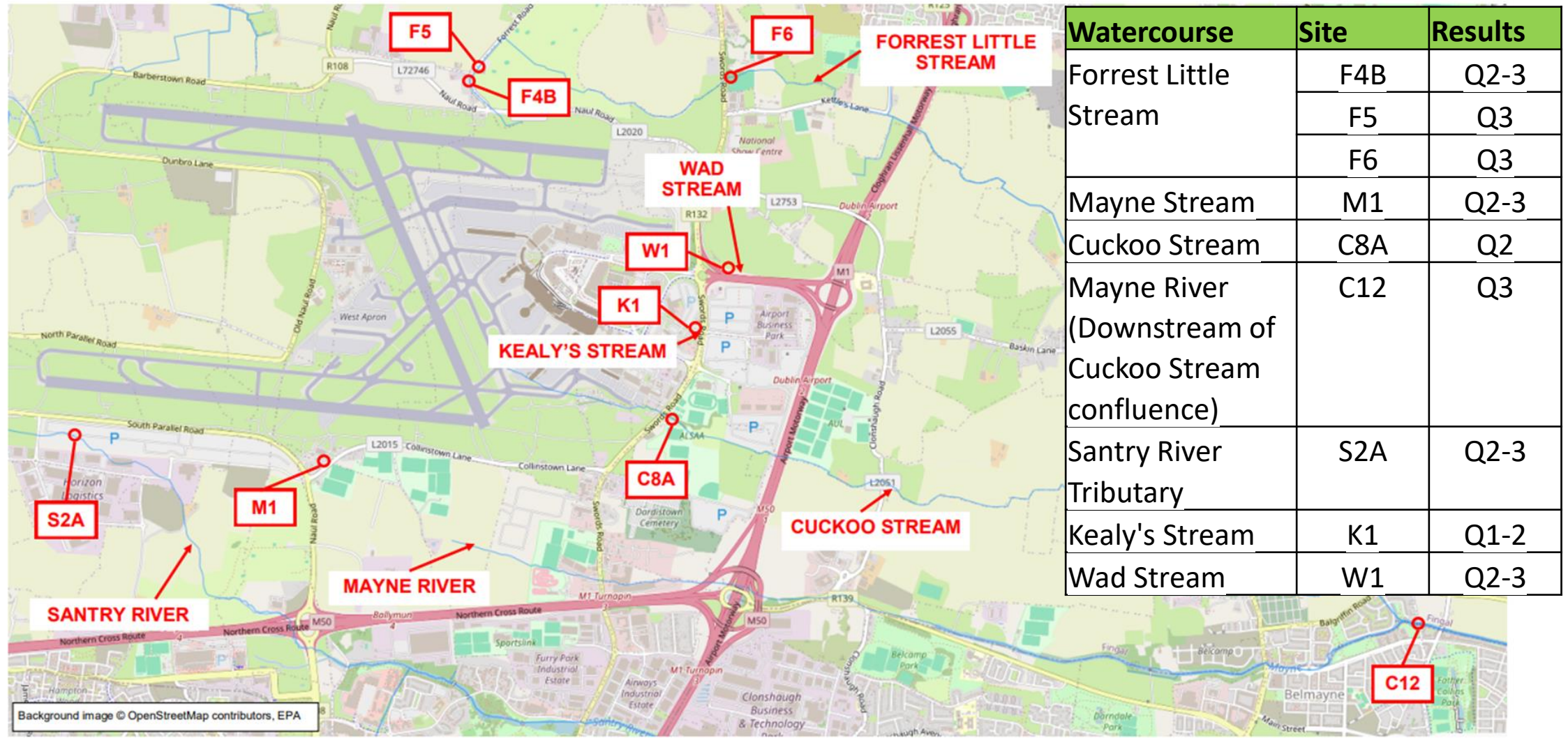
EPA RIVER QUALITY SURVEYS: BIOLOGICAL

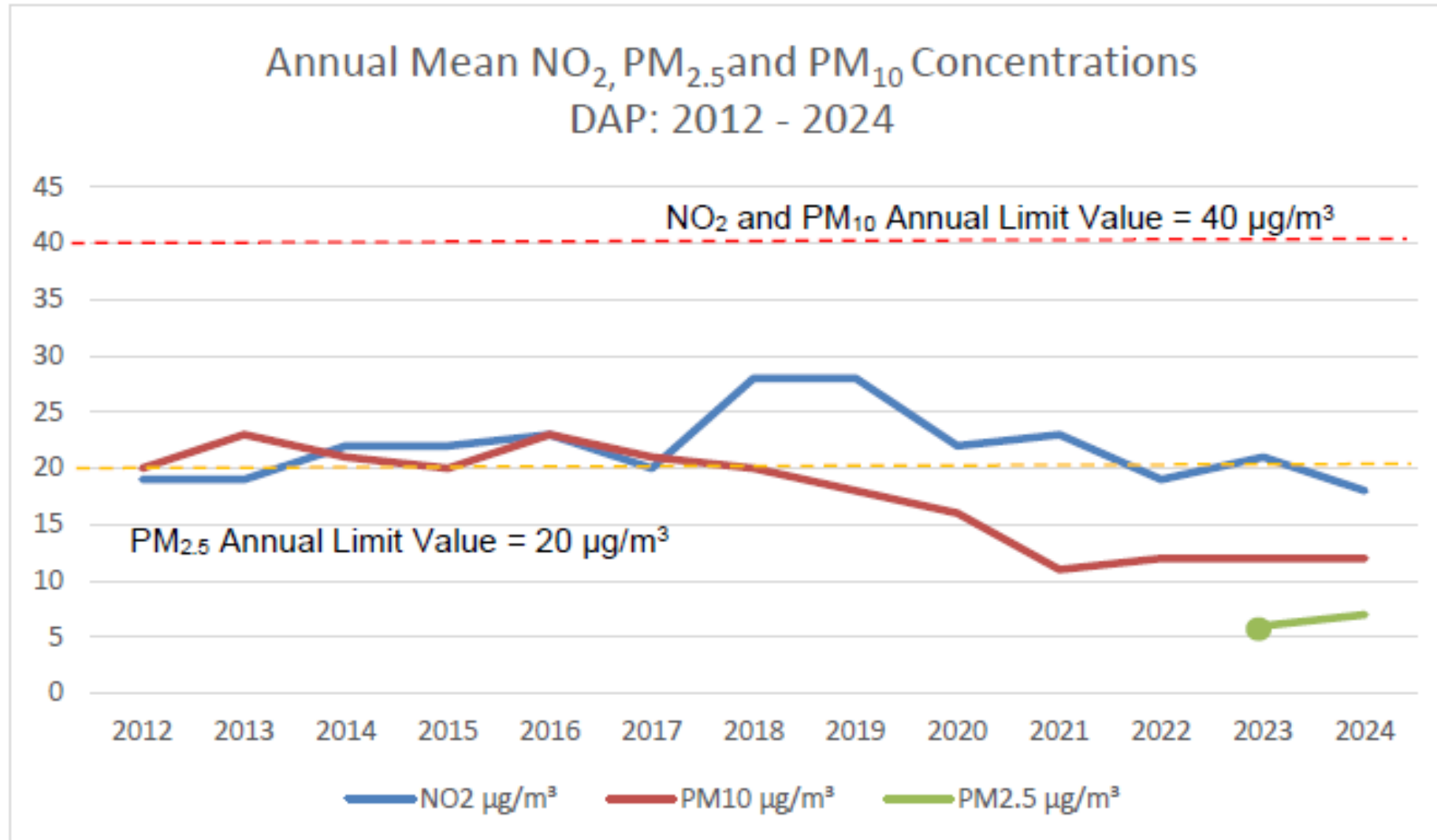
Biotic indices ("Q Values") reflect average water quality at any location as follows:

Q Value*	WFD Status	Pollution Status	Condition **
Q5, Q4-5	High	Unpolluted	Satisfactory
Q4	Good	Unpolluted	Satisfactory
Q3-4	Moderate	Slightly polluted	Unsatisfactory
Q3, Q2-3	Poor	Moderately polluted	Unsatisfactory
Q2, Q1-2	Bad	Seriously polluted	Unsatisfactory

National Biological Water Monitoring









Next Meeting –
5pm on Wednesday, 25 February 2026 (TBC)
