



DAEWG Meeting

01 October 2025

Agenda

Dublin Airport Environmental Working Group

01 October 2025

17.00 at Carlton Hotel, Dublin Airport

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



daa Actions from Previous Meeting

Michelle Molloy
Community Engagement Manager

No	Issue	daa response
1.	GM to provide the Irish litter report to secretariat for distribution to members	Secretariat emailed to members on 1 August 2025
2.	GS requested further information on the Earth Berms	Information will be provided as part of the NFTM update
3.	GS suggested further consideration be given for creches to be included in the Elevate'25 programme following conversation at previous meeting	As advised at last meeting, Elevate'25 educational programme is for DoE primary and secondary schools only and creches are not eligible to apply. While commercial creches are not eligible for Dublin Airport's Community Fund, community childcare facilities can apply.
4.	GS requested the noise team provide a summary of the quarterly statistics with the percentage split of take-offs for North and South Runway	Information will be provided as part of the NFTM update
4.	GS requested progress update and target completion dates for the Insulation Grant Scheme	Information provided in daa update



Dublin Airport Update

Michelle Molloy
Community Engagement Manager

- daa welcomed 3.8m million passengers to Dublin Airport in August (up 4.1% on the same period last year).
- Dublin Airport's 2024 compliance report and the 2024 noise contours have been provided to ANCA.
- Temporary Noise Monitors: five additional monitors were delivered and two were installed at the DAEWG's locations in Ballystrahan and Rivermeade. The next rotation will take place c. end-January 2026.
- daa is working with Trinity College with the first industrial-scale field test of its ground-breaking technology at Dublin Airport that captures carbon dioxide from the atmosphere. The project has been funded by a European Innovation Council (EIC) Transition grant (AirInMotion) and supported by the Enterprise Ireland.



- Dublin Airport Elevate'25, our €2million school support programme, has now closed for submissions and applications will now be evaluated before the judging panel review. Successful schools will be advised before a celebration event will be held in November.
- In September, over 120 daa staff volunteers from across the businesses attended two Community Difference Days to build new community spaces in Santry and Donabate.
- At Santry Scouts Den and Lorcan Residents Estate Community Centre, over 80 volunteers built an outdoor classroom, sensory area, firepit, and horticultural planting area in the scouts garden and four planting and seating benches outside the community centre.
- In Donabate Portrane Community Centre, 40 daa volunteers built a public seating area, a greenhouse, with seating and planting benches for community groups to use.





Noise and Flight Track Monitoring Reports

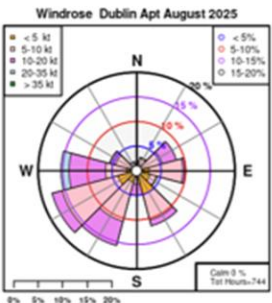
Noise and Flight Track Monitoring, daa

	Item
1	August 2025 Monthly Report
2	Wind modal split
3	2024 Annual Noise Contours
4	Earth Berm Queries

Monthly Reports – Wind data

August 2025 Operations – Movements and Runway Use

Aircraft Movements (Cat ABC&D) August 2025						
Zone		Arrivals		Departures		Total
A	South Runway	from West (RW10R)	460	to West (RW28L)	974	1434
B		from East (RW28L)	8,041	to East (RW10R)	4,156	12,193
C	North Runway	from West (RW10L)	3,607	to West (RW28R)	7,161	10,768
D		from East (RW28R)	169	to East (RW10L)	3	172
E	Cross Runway	from North (RW16)	40	to North (RW34)	28	68
F		from South (RW34)	0	to South (RW16)	0	0
			12,317		12,322	24,639

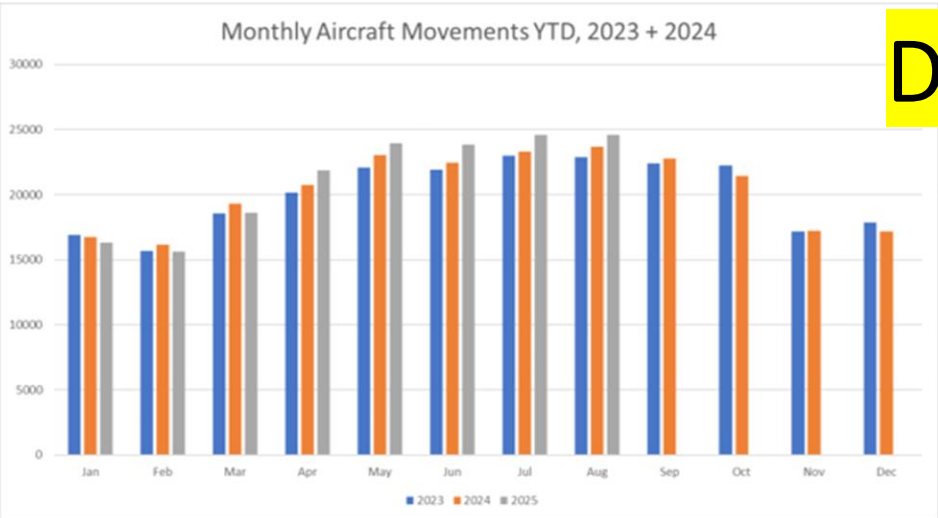


August 2025 Wind Rose:

shows percentage of time in each wind direction.

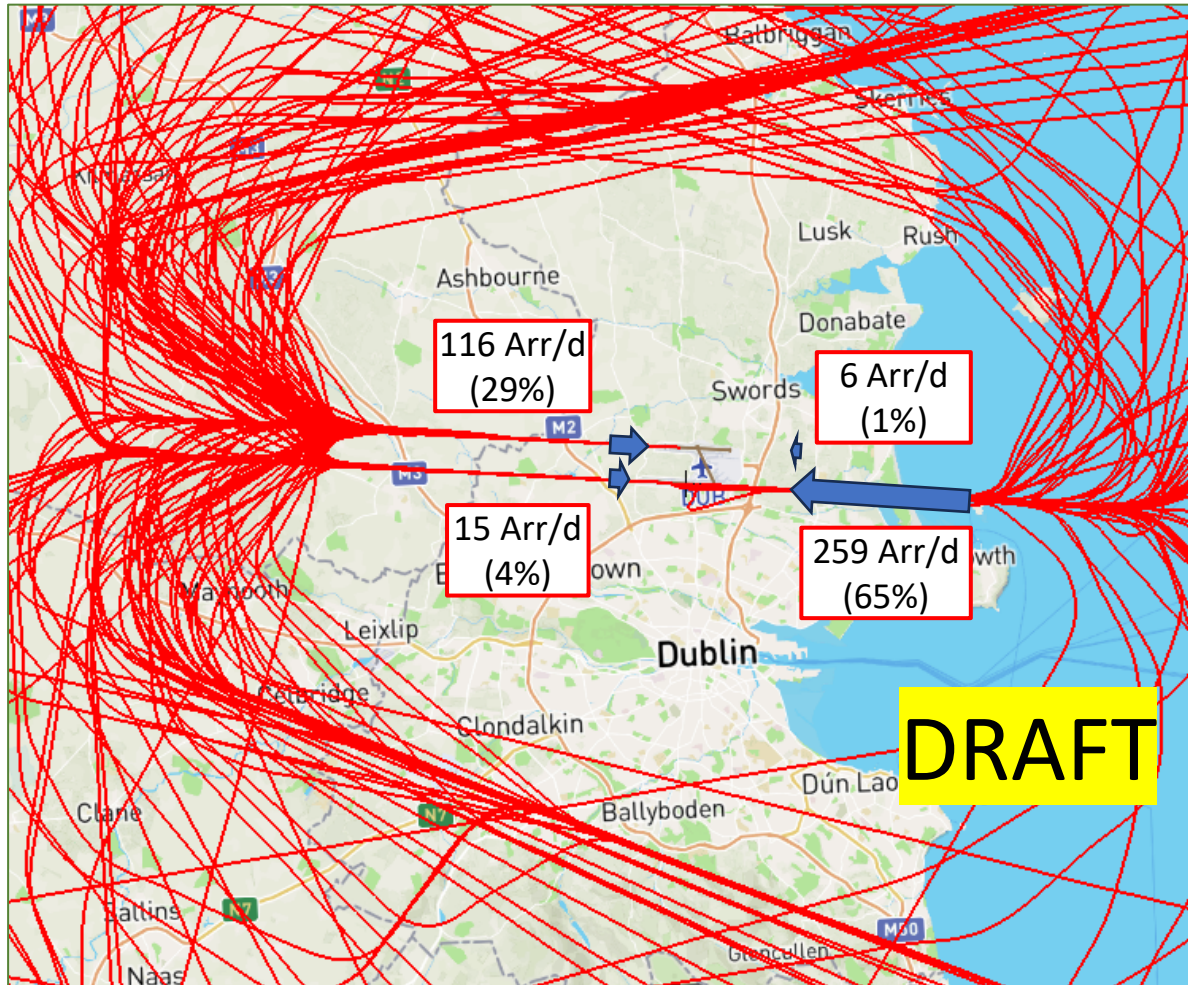
Table below shows 2024 and YTD – westerly and easterly operations

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2025	W	82%	45%	55%	32%	44%	80%	80%	67%					
	E	18%	55%	45%	68%	56%	20%	20%	33%					
2024	W	86%	87%	56%	78%	65%	89%	81%	90%	61%	63%	70%	88%	76%
	E	14%	13%	44%	22%	35%	11%	19%	10%	39%	37%	30%	12%	24%



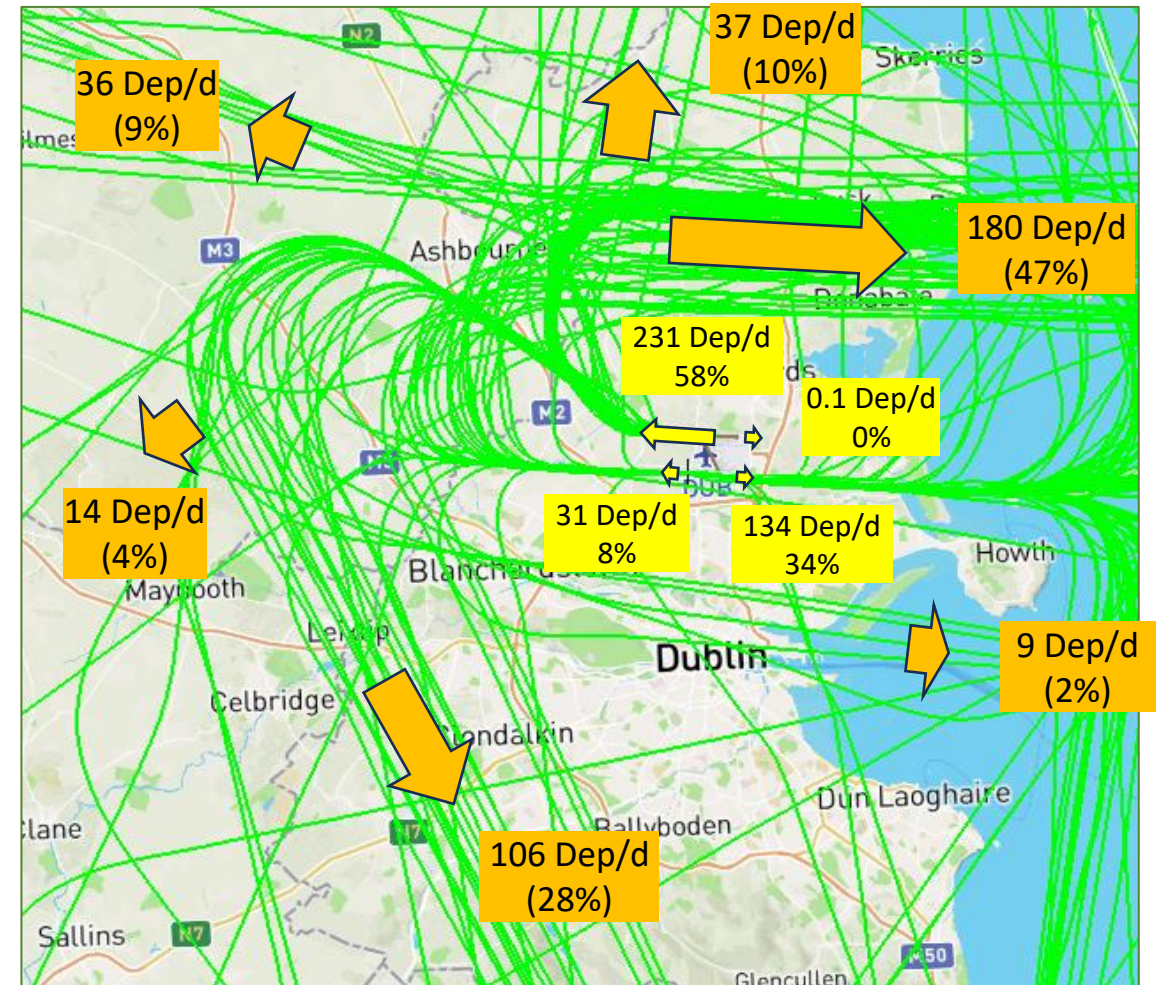
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August 2025 Operations – Runway and Track Use



Graphic depicts:

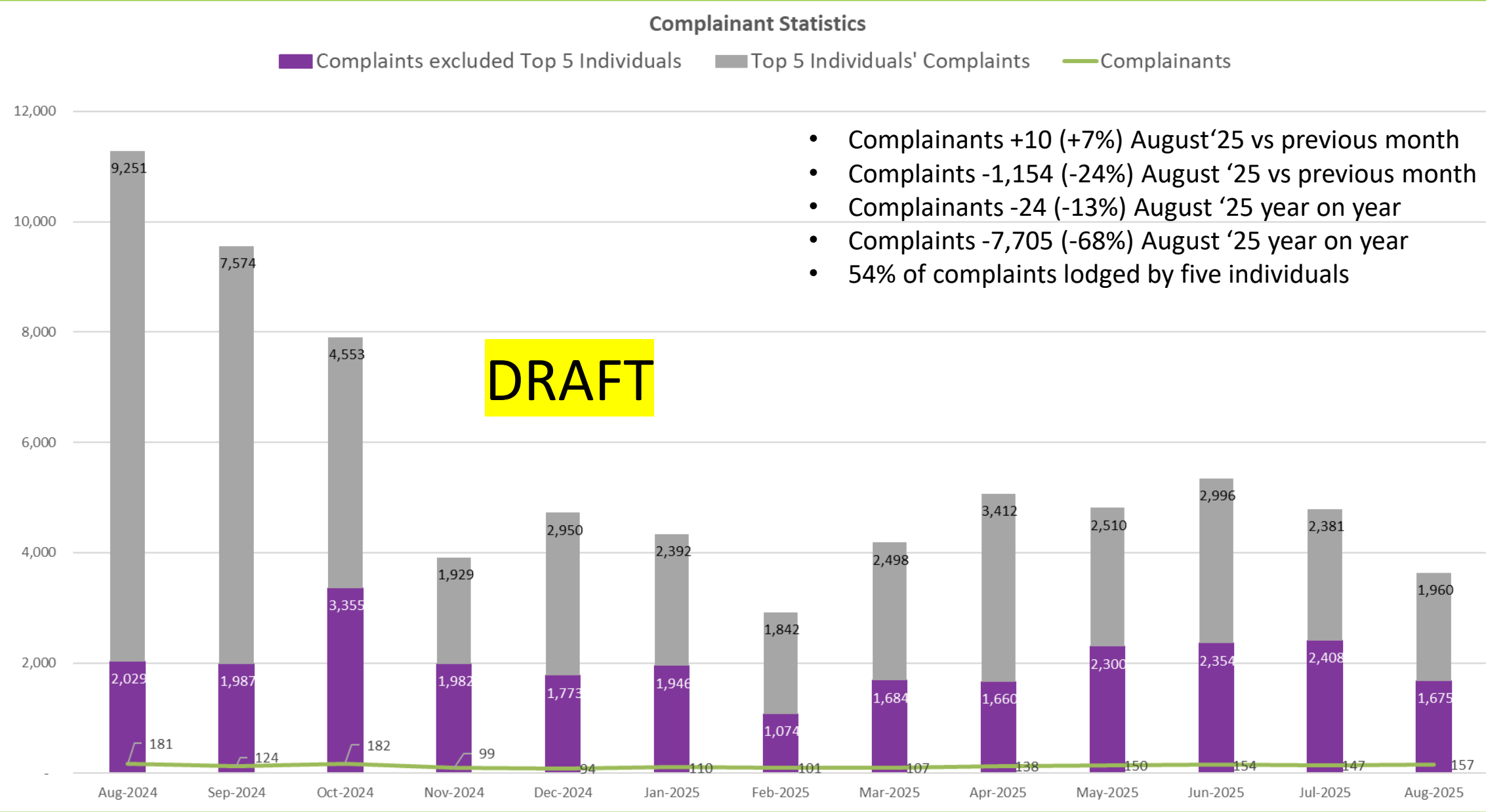
- Average arrival movements per day (d) on each main runway
- % arrivals on each main runway this month
- Note: example flight track selection used



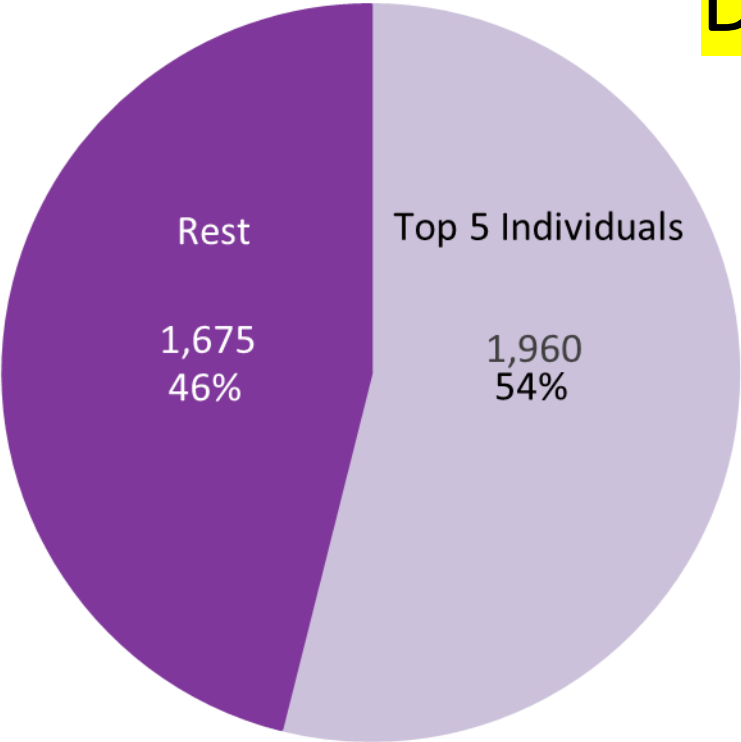
Graphic depicts:

- Average departure movements per day on each main runway (yellow boxes)
- % departures on each main runway this month (yellow boxes)
- Average departures per day on each main track swathe (orange boxes)
- Note: example flight track selection used

Noise Complaints - Complainant Statistics

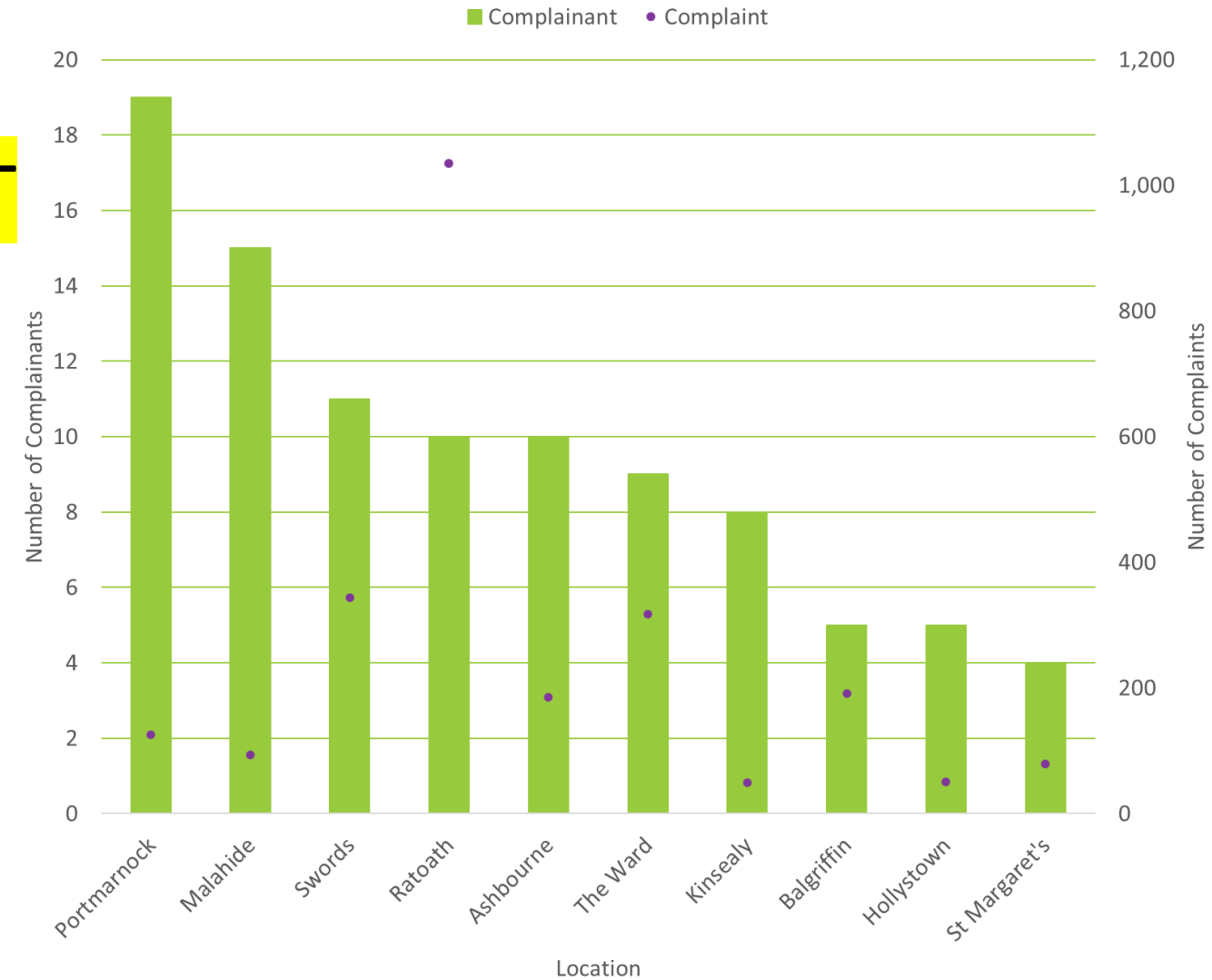


Complaints by Top 5 Individuals
August 2025



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Top 10 Areas by Number of Complainants - August 2025

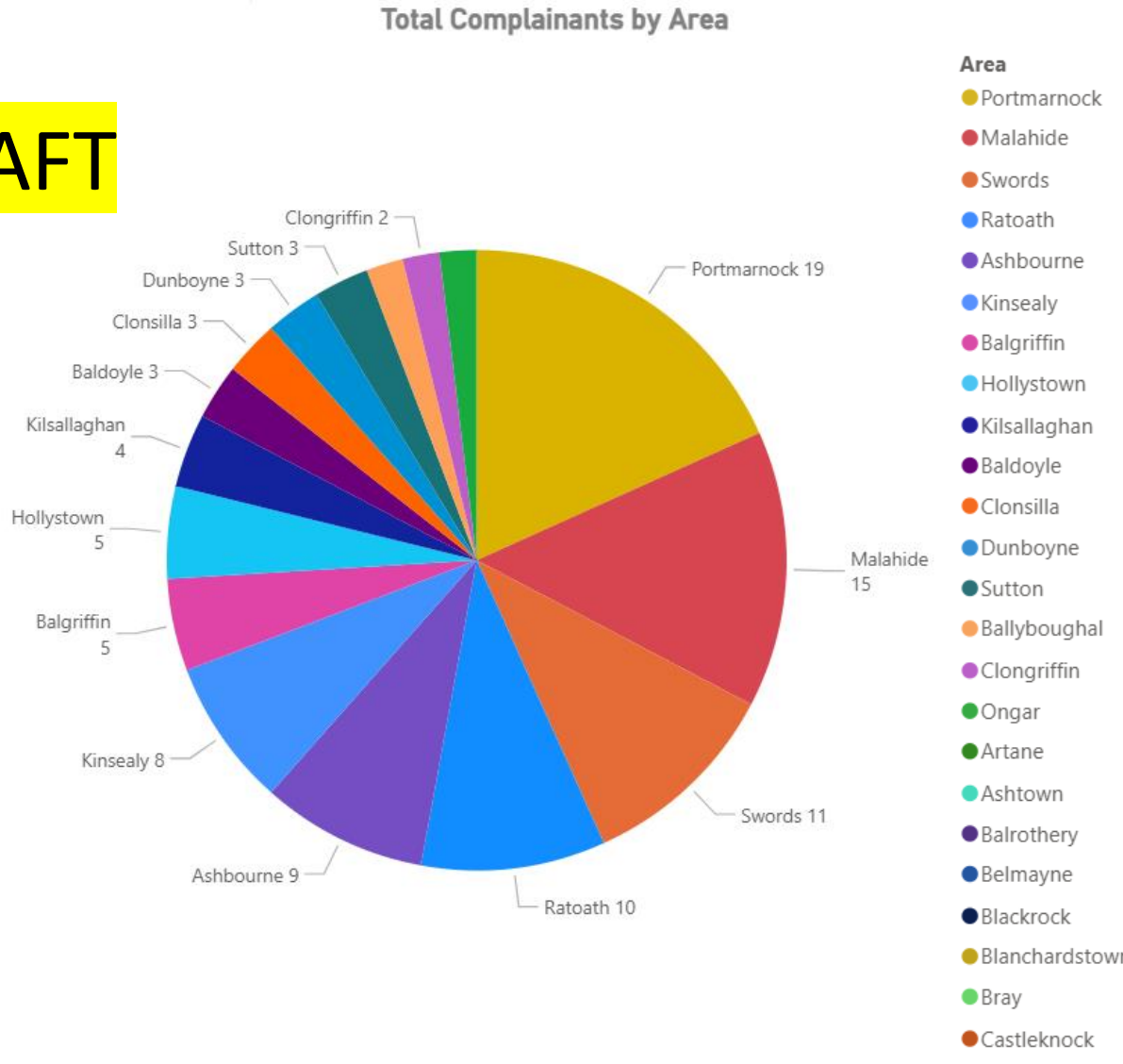
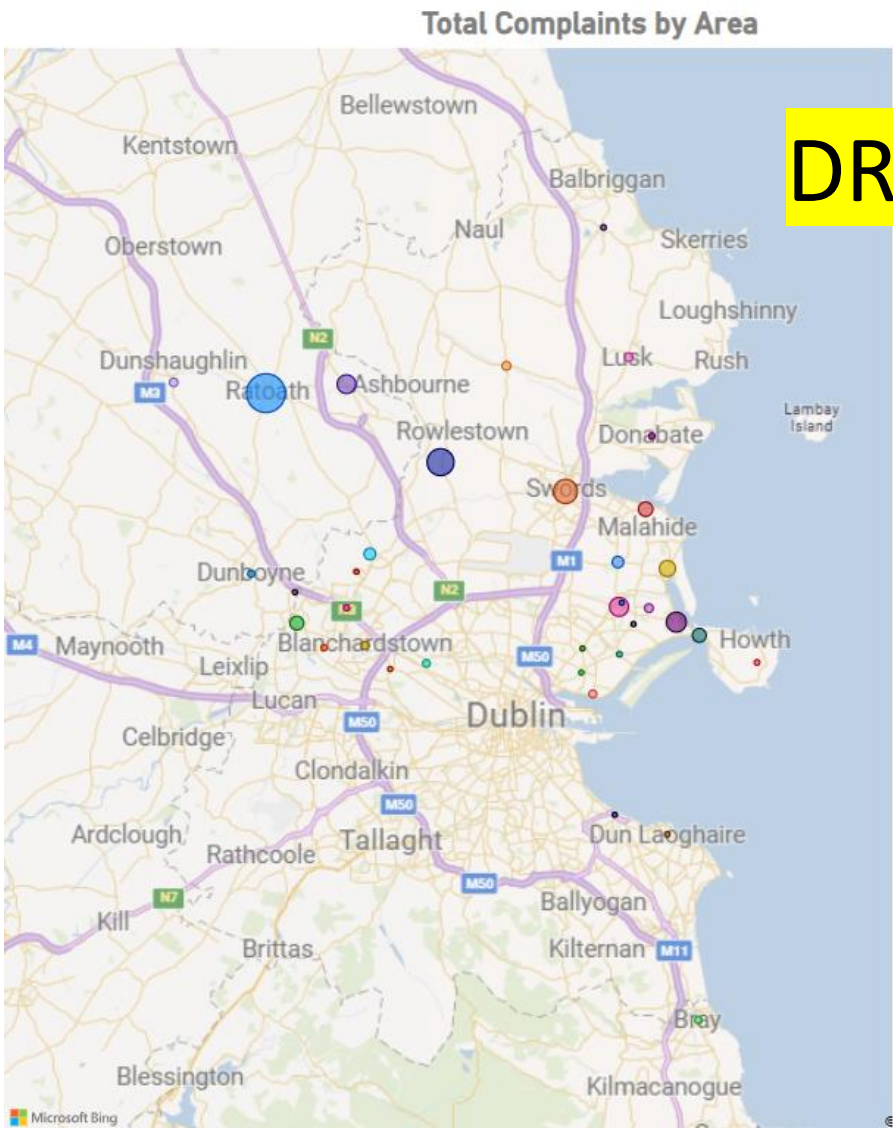


The left-hand axis (green) shows the number of individual complainants, while the right-hand axis (purple) represents the total number of complaints received from each area.

August 2025 – Complaints & Complainants Map



Suburb	Complaints	Complainants
Ratoath	1034	10
Kilsallaghan	447	4
Swords	344	11
Baldoyle	216	3
Balgriffin	191	5
Ashbourne	185	9
Portmarnock	126	19
Malahide	94	15
Sutton	84	3
Ongar	83	2
Hollystown	51	5
Kinsealy	49	8
Ballyboughal	20	2
Clongriffin	19	2
Lusk	19	1
Dunshaughlin	17	1
Blanchardstown	15	1
Clontarf	13	1
Ashtown	11	1
Bray	9	1
Dunboyne	8	3
Co. Meath	6	1
Clonsilla	4	3
Donabate	4	1
Mulhuddart	4	1
Balrothery	2	1
Dun Laoighaire	2	1
Howth	2	1
Raheny	2	1



Noise Information Portal - Operations Dashboard





Flight Activity at Dublin Airport



Flights Over My Area



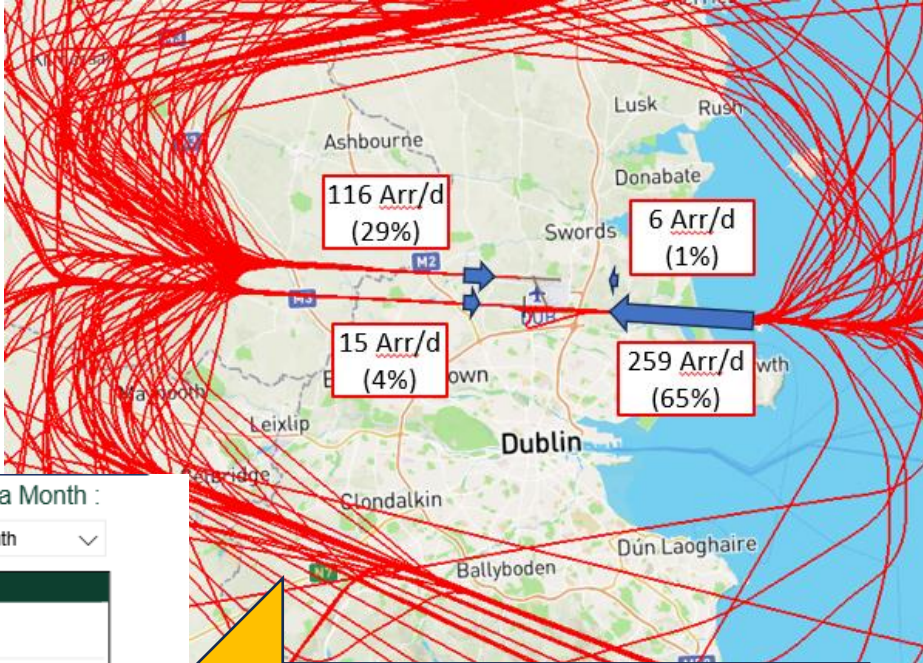
Measured Aircraft Noise

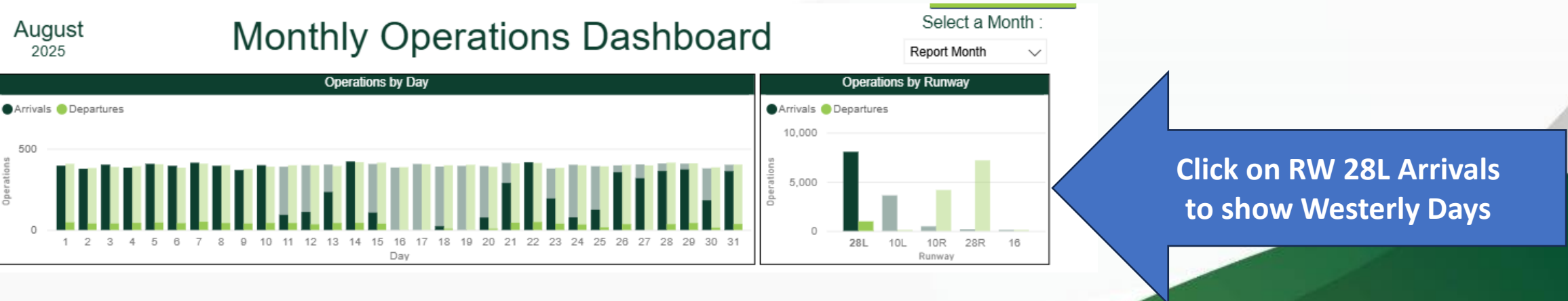
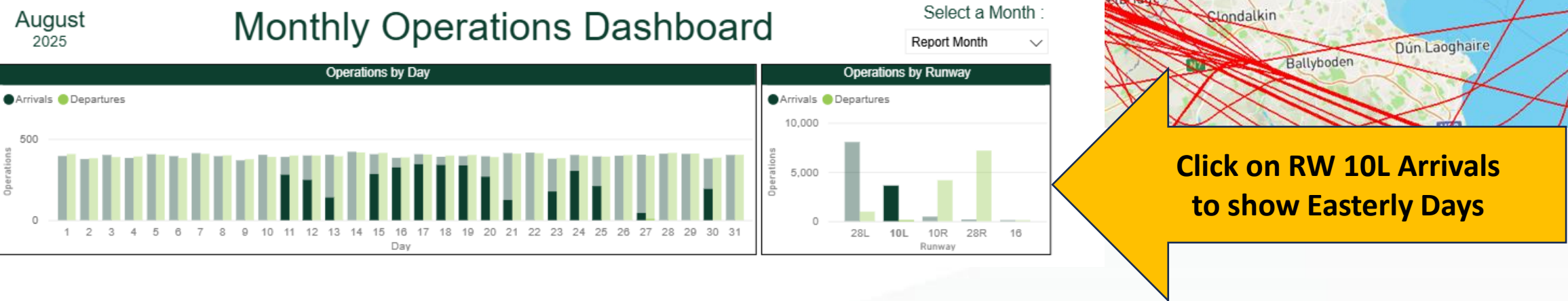


Complaints Data

Your Location

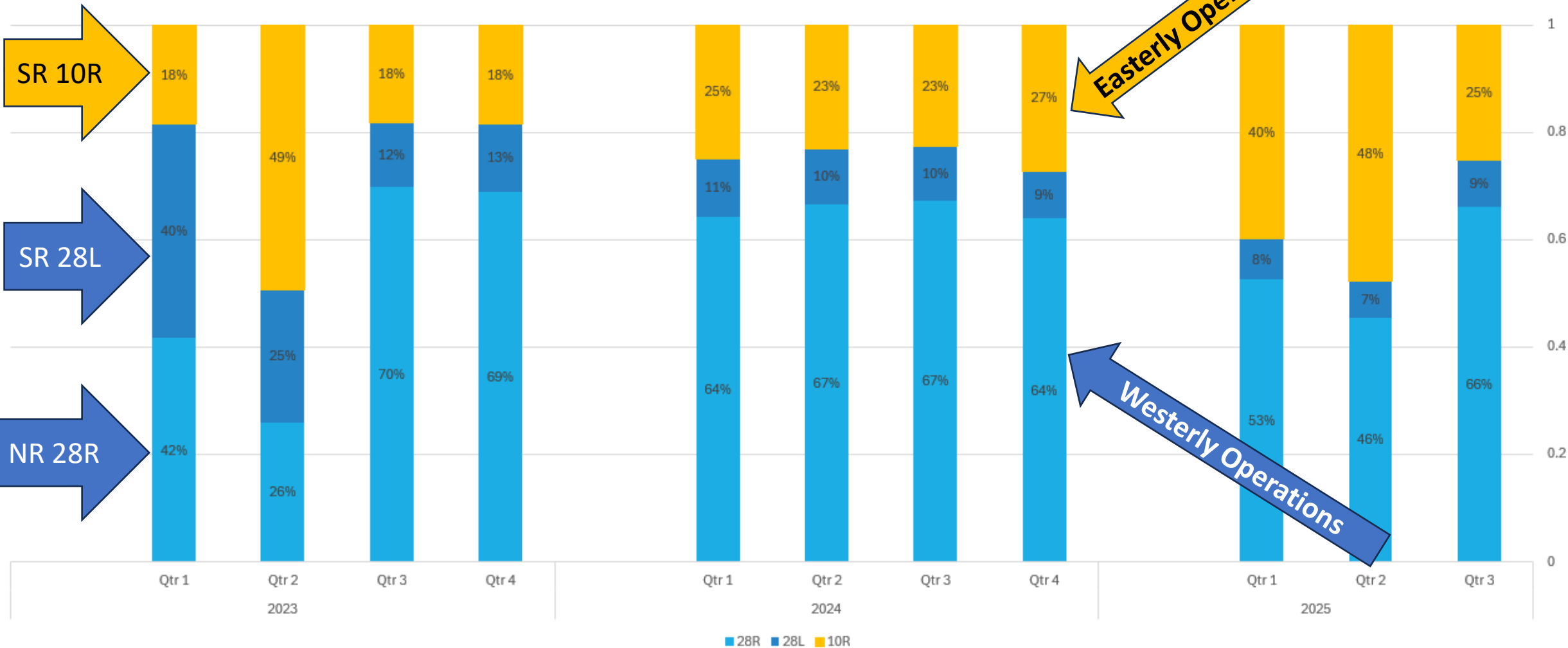
Ireland





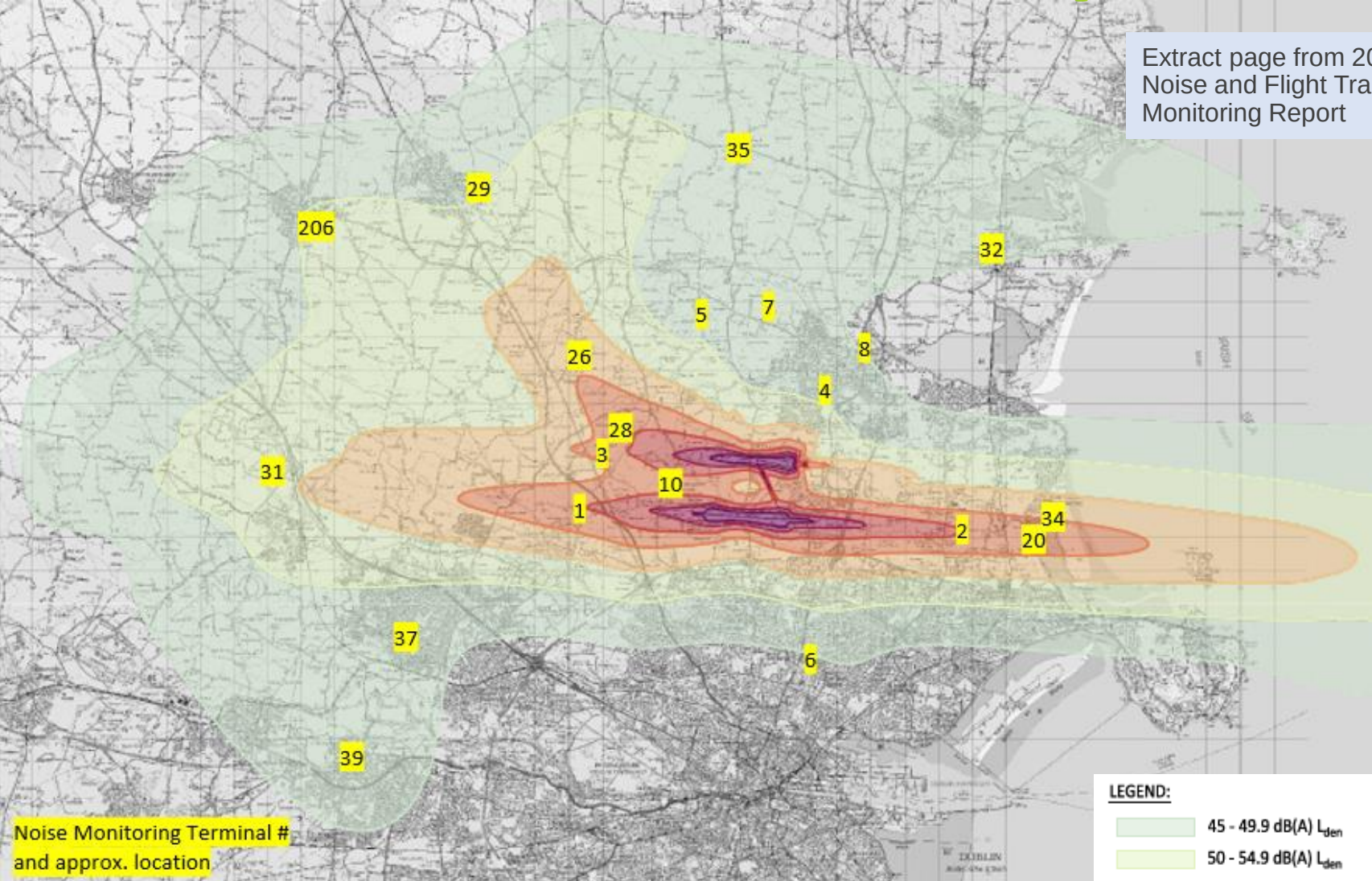
Quarterly Wind Modal Split 2023-2025

Departures by Runway



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



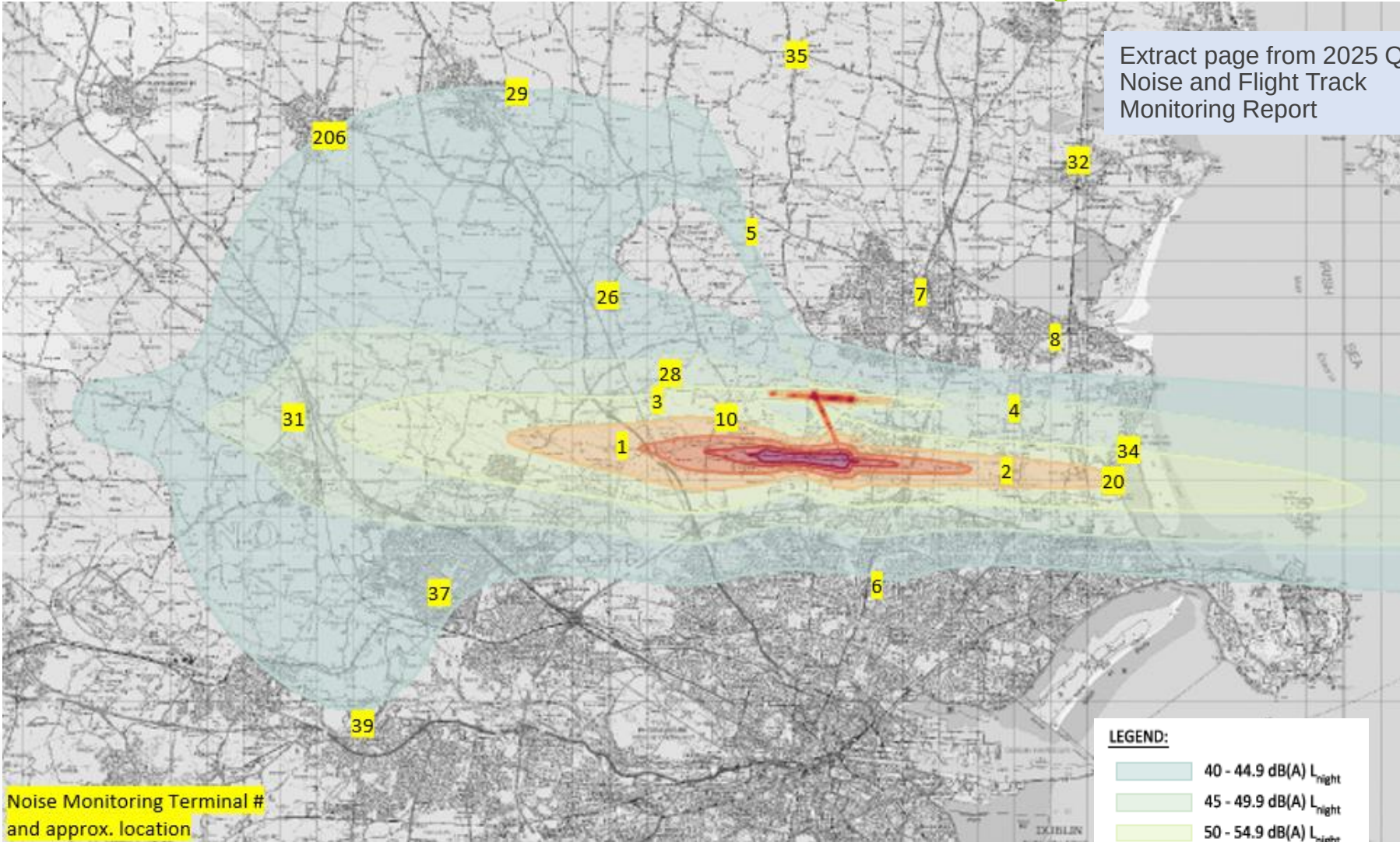
Map of 2024 Lden Annual Noise contours

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 Lnight Annual Noise contours

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

Including Permanent NMT installations



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
June	1.3	13	0.09	4.8	63	0.16	-					
July	1.2	14	0.03	1.9	55	0.05	No sample retrieved			1	33	0.04
August	1.1	25	0.07	1.7	87	0.05	-					

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
June	1.8	12	0.13	1.2	19	0.42	-			-		
July	1.1	13	0.04	0.9	16	0.03	1.8	42	0.05	-		
August	0.8	14	0.04	0.8	11	0.02	-			0.6	42	0.03

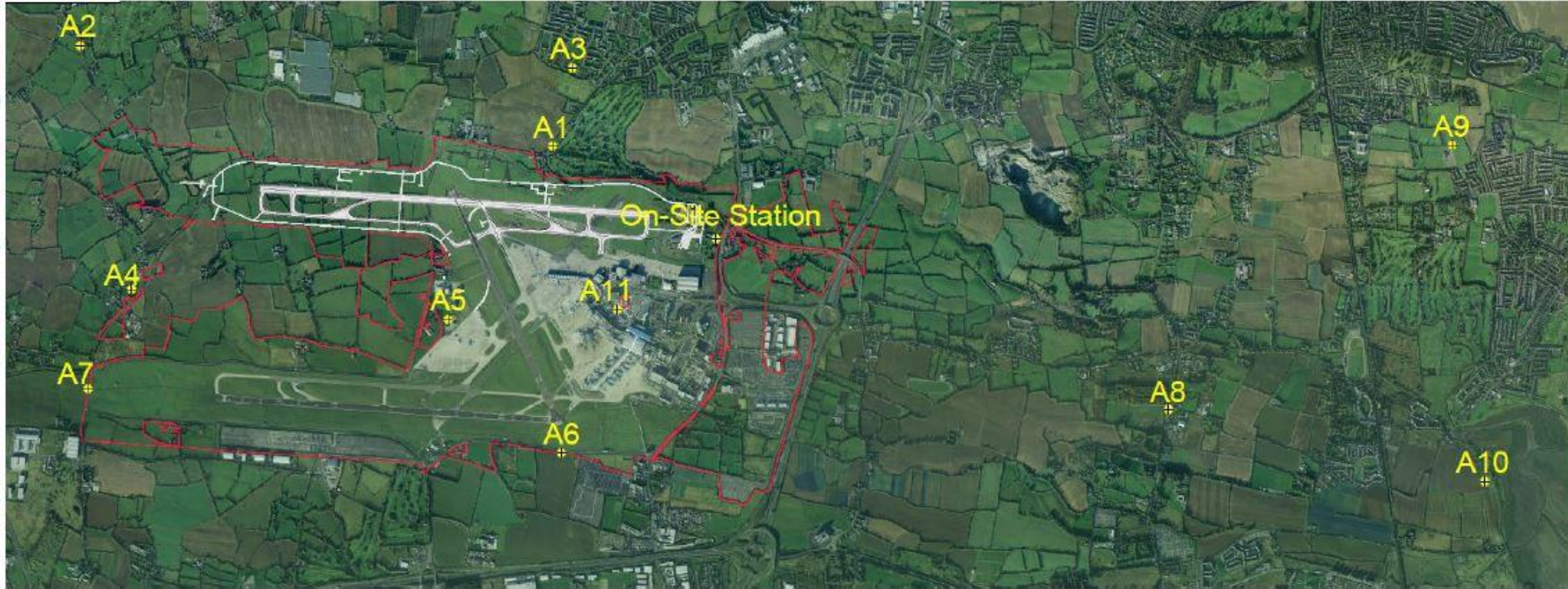
Sample locations - leaving daa lands									
Month	C9 - Cuckoo Stream**			M5- Mayne Stream***			S3 - Santry Stream		
	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L	BOD mg/L	COD mg/L	Ammonia as N mg/L
June	0.9	12	0.02	1.3	24	0.03	0.4	6	0.01
	1	13	0.01	0.4	22	0.05			
	1.4	6	0.01	1.4	22	0.02			
				0.8	18	0.02			
				1.2	27	0.02			
July	0.9	14	0.01	1.1	33	0.05	1.3	13	0.01
	0.3	9	0.01	1.3	60	0.04			
				2	14	0.02			
				0.3	38	0.03			
August	1.9	11	0.76	1.2	35	0.02	0.8	8	0.01
	1.5	12	0.01	<4	31	0.45			
				2.3	26	0.02			
				1.6	43	0.02			

*quarterly sample

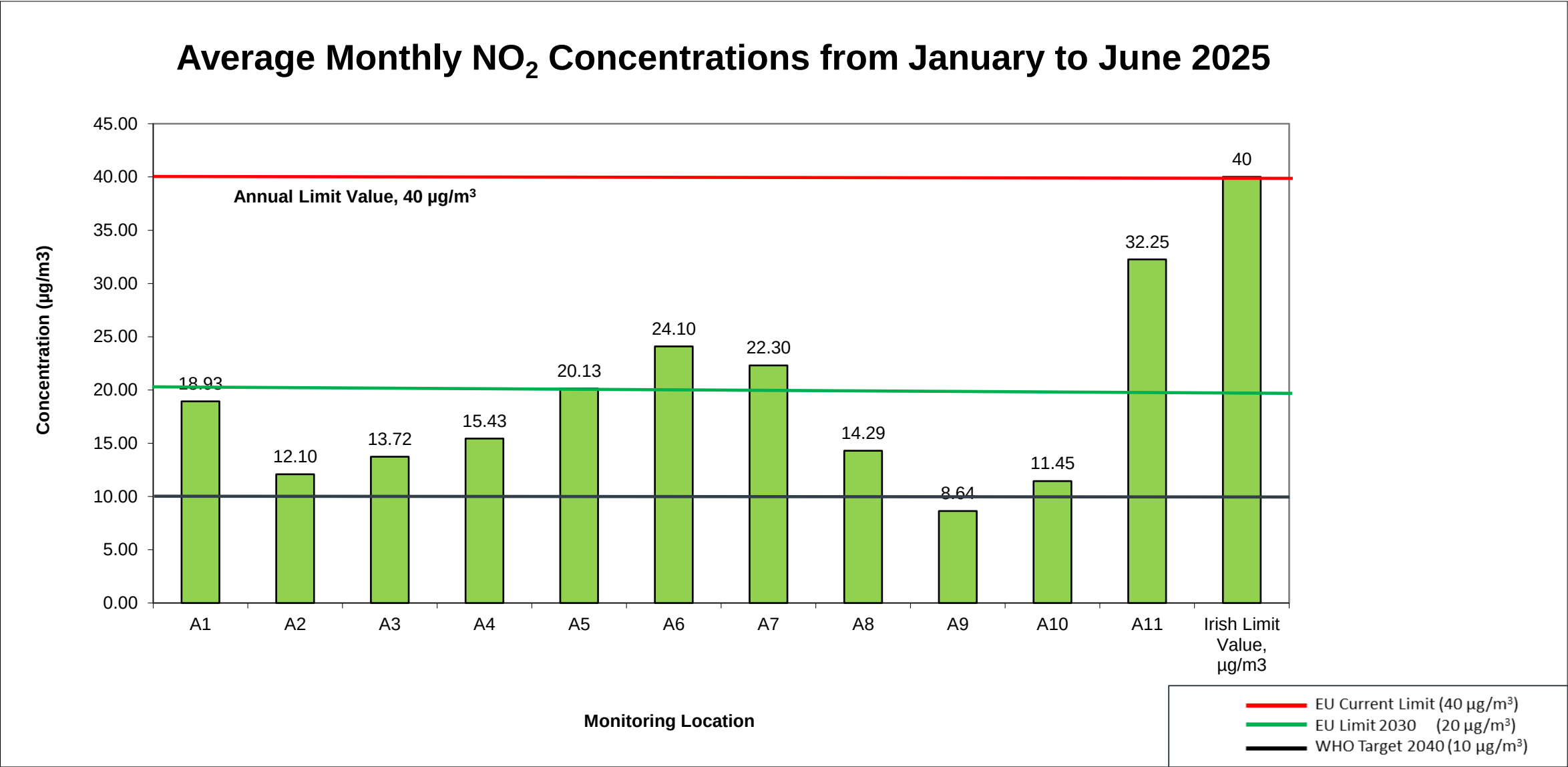
**twice monthly sample

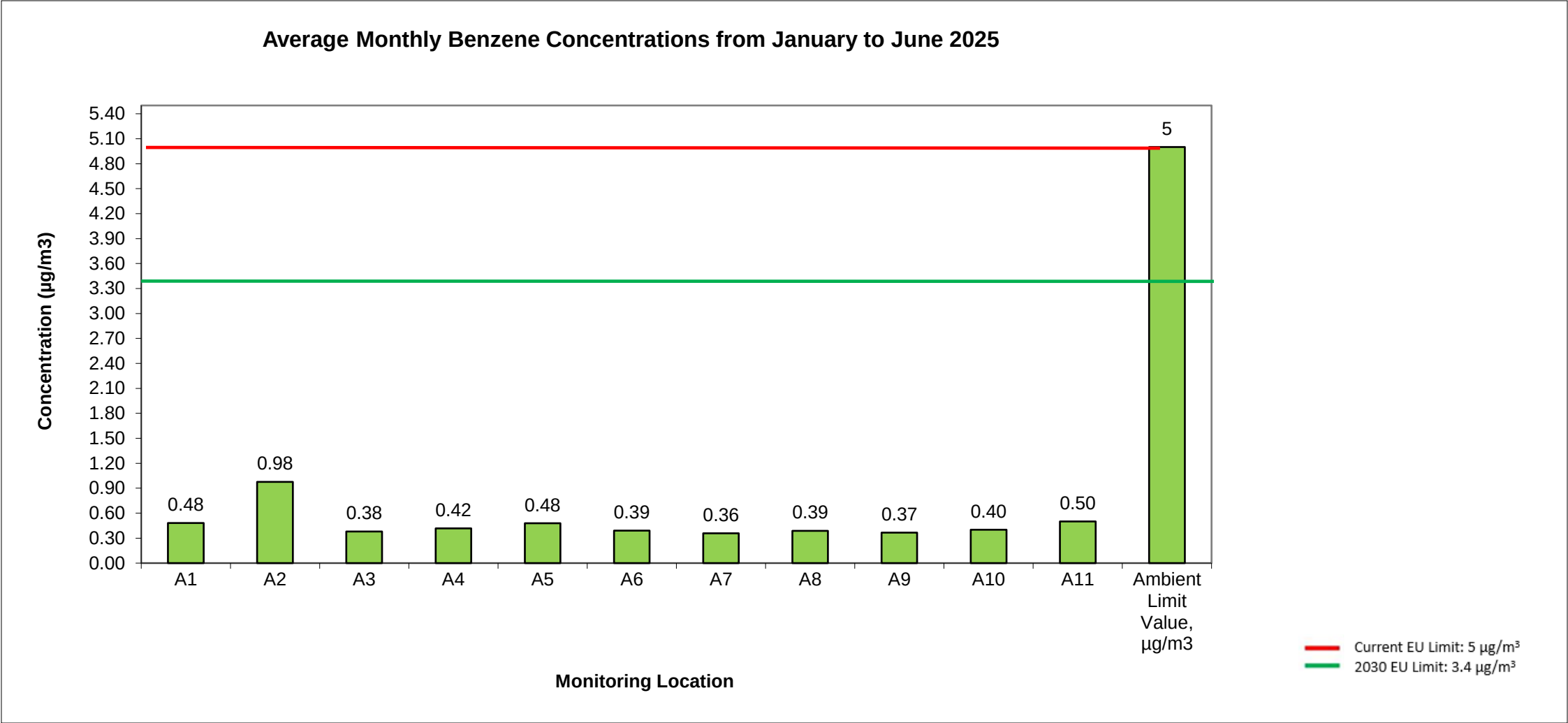
***weekly sample

Dublin Airport Air Quality Monitoring locations



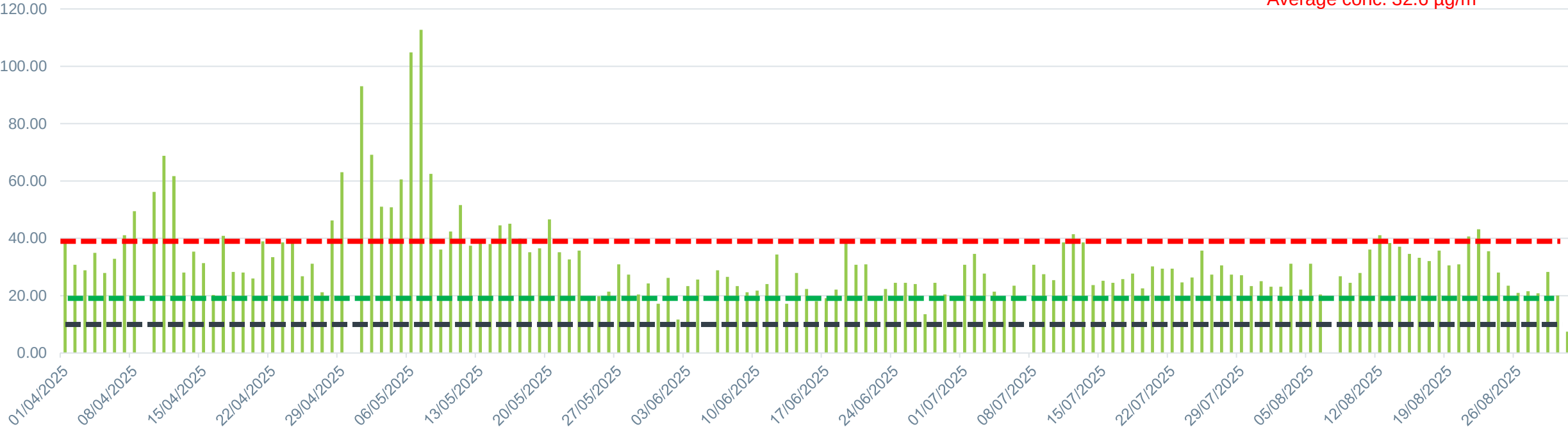
Average Monthly NO₂ Concentrations from January to June 2025





Daily Average NO₂ Concentration: April - August 2025

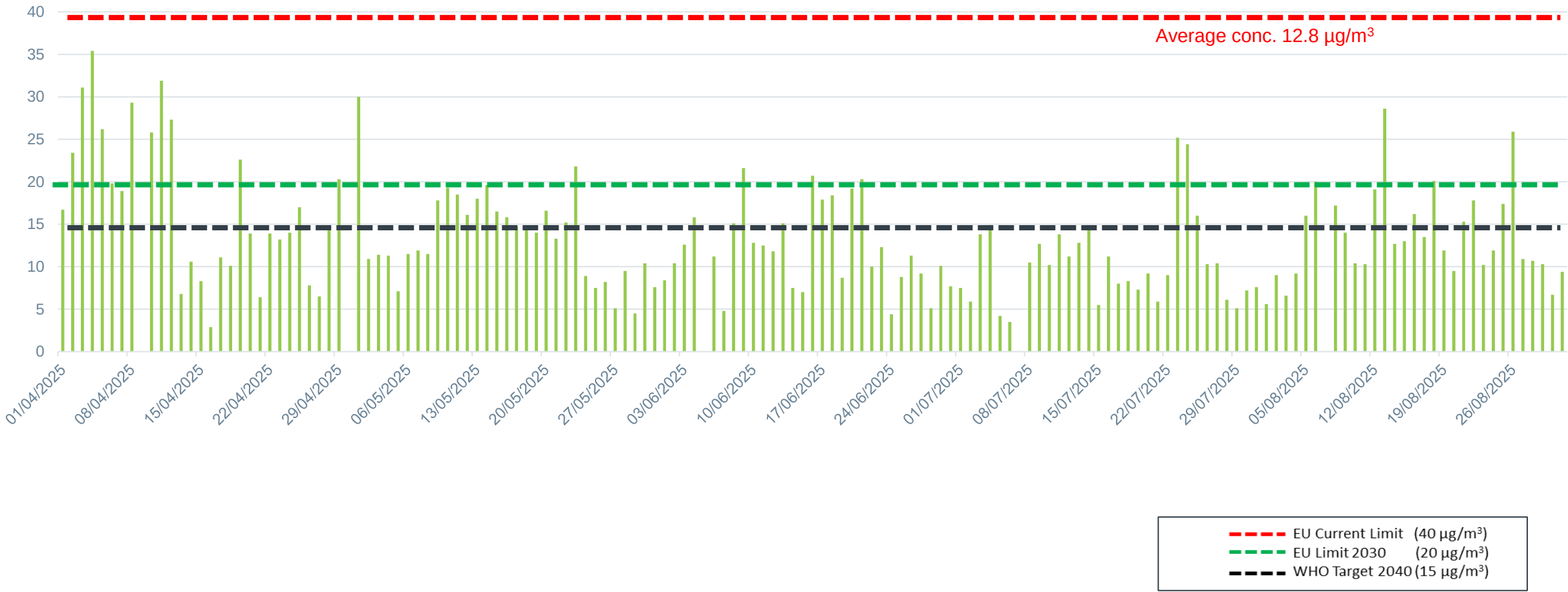
Average conc. 32.6 µg/m³



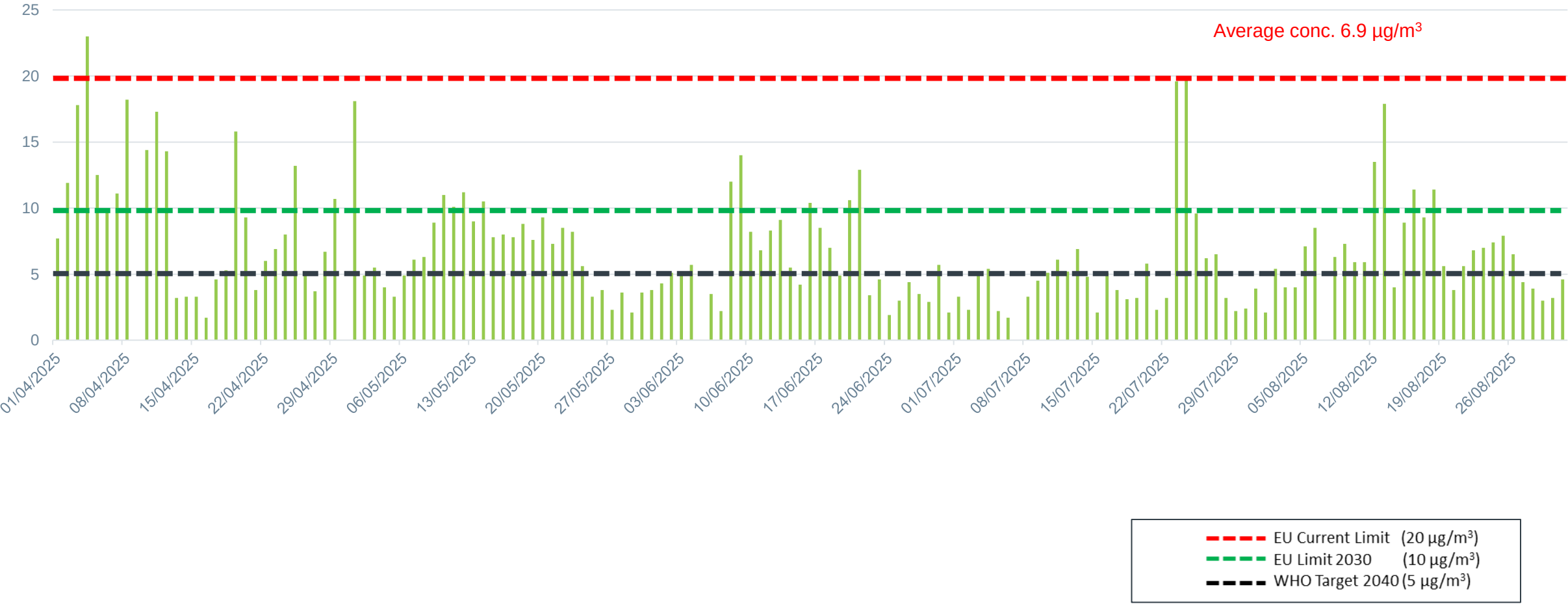
Note: NO_x fault detected in during maintenance visit in June

- 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: April - August 2025



Daily Average PM_{2.5} Concentration: April - August 2025



Air Quality in Ireland

Report 2024



Key messages

- Ireland was compliant with 2024 air quality standards, meeting all EU legal requirements.
- New Air Quality Standards have been introduced and must be met by 1 January 2030. Meeting the new requirements will be challenging for Ireland.
- Around 1,700 premature deaths occur in Ireland each year because of poor air quality.
- See www.epa.ie for the full report.

New EU Legislation

Ambient Air Quality Directive (2024/2881/EU)

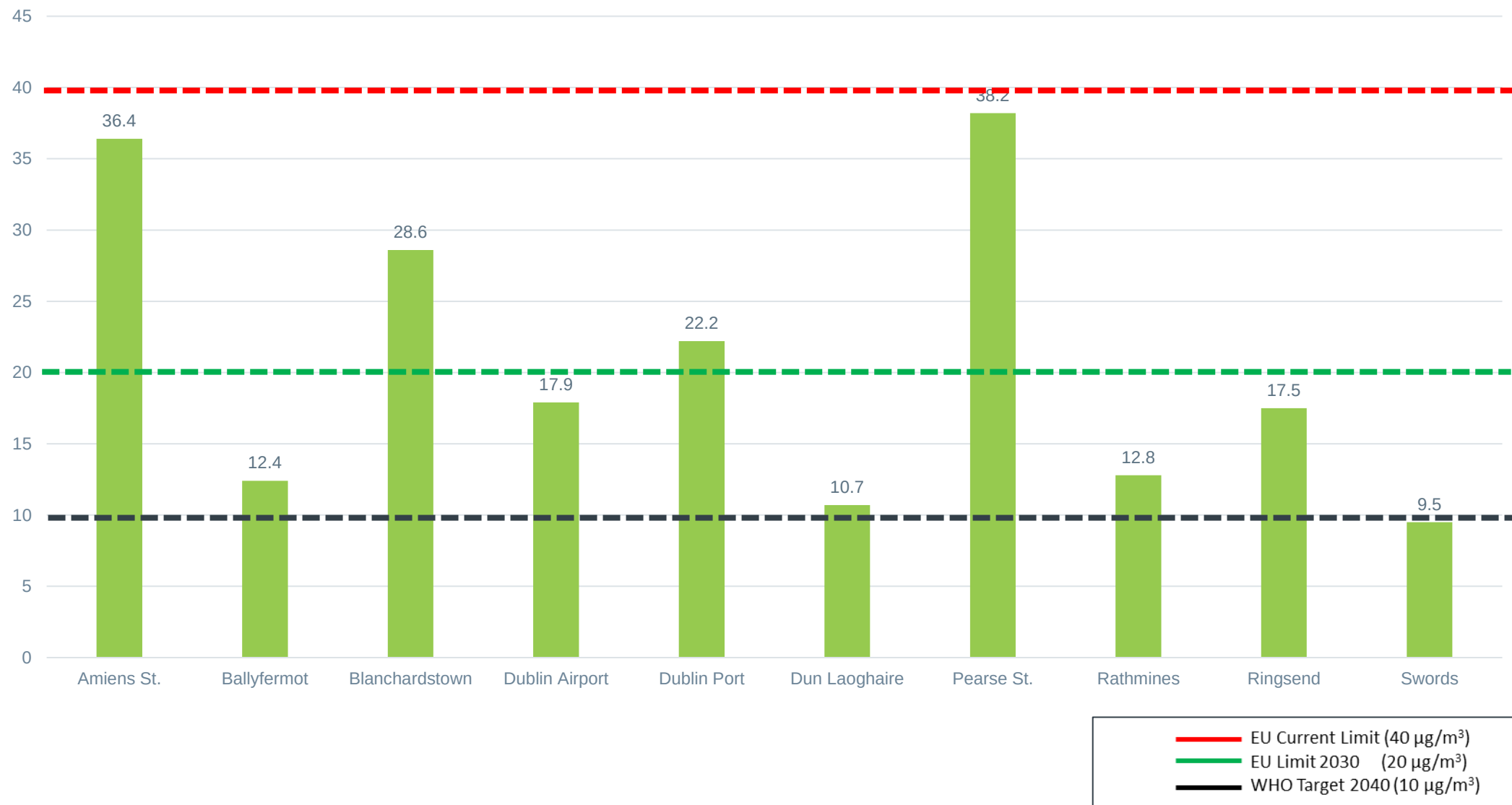
EU air quality standards:

Pollutant	Period	Until 2026 (Current CAFE)	As of 2026	As of 2030 (New CAFE)	As of 2040 (WHO Guideline)
PM ₁₀	calendar year	40 µg/m ³	30 µg/m ³	20 µg/m ³	15 µg/m ³
PM _{2.5}	calendar year	25 µg/m ³	15 µg/m ³	10 µg/m ³	5 µg/m ³
NO ₂	calendar year	40 µg/m ³	20 µg/m ³	20 µg/m ³	10 µg/m ³
Ozone (O ₃)	8 hours daily*	120 µg/m ³	120 µg/m ³	120 µg/m ³	100 µg/m ³
Sulphur dioxide (SO ₂)	24 hours**	125 µg/m ³	50 µg/m ³	50 µg/m ³	40 µg/m ³

* Maximum daily 8-hour mean averaged over 3 years

** Exceedance if more than 3 days per year per station

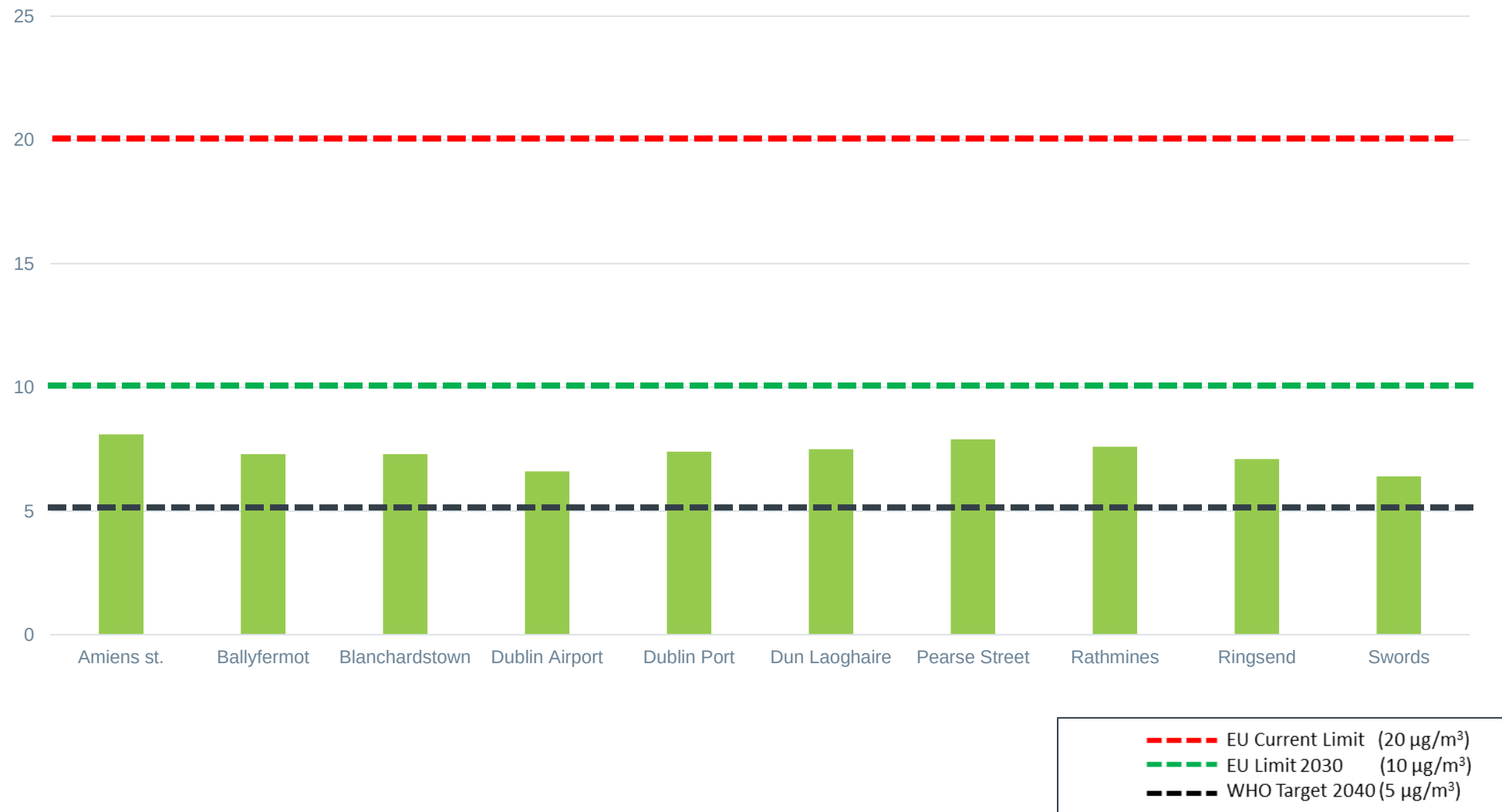
2024 Annual Mean NO₂ Concentration (Zone A - Dublin)



2024 Annual Mean PM₁₀ Concentration (Zone A - Dublin)



2024 Annual Mean PM_{2.5} Concentration (Zone A – Dublin)





Next Meeting – Proposed date change

5pm on Wednesday, 19 November 2025
