



# Dublin Airport Monthly Noise and Operations Report

April 2024

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- Operations and Runway Use
- Noise Complaints

Page	Page Heading	Page Content
3.	<b>Explanation of Terms</b>	
4.	<b>Operations – Movements and Runway Use</b>	Provides an overview of the operations of the airport during the month, including arrival and departure movements, runway use, wind direction and movement comparisons with earlier months and the previous year.
5.	<b>Operations – Runway and Track Use</b>	Provides a representation of the distribution of arrivals and departures, along with data relating to the distribution of the main departure tracks.
6.	<b>Noise Complaints - Complainant Statistics</b>	Provides rolling data on complainant statistics, including total complaints received.
7.	<b>Noise Complaints - Complainant Statistics</b>	Provides data on the complaints received by area from top 10 complainants and a breakdown of complaints by the top 5 complainants
8.	<b>Noise Complaints - Complainant Hotspot Areas</b>	Provides a map of the region, displaying a blue mark for each household or complainant that submitted a complaint to the airport during the month.
9.	<b>Bulk Complaint Request</b>	

Term	Definition
<b>Aircraft Movement</b>	An aircraft movement is either the arrival or departure of an aircraft at Dublin Airport. For an arrival, the aircraft is detected by radar at least 50km from the airport and the route it takes is recorded in the noise management system until it touches down on one of Dublin Airport's runways. For a departure, the radar detects the flight as it leaves the ground and records the route until it is at least 50km away.
<b>ANOMS</b>	The Advanced Noise Management System is Dublin Airport's database and management system for recording aircraft operations, flight tracks, noise monitoring terminals and complaints.
<b>Cat AB aircraft</b>	Category A and B aircraft are light and propellor driven aircraft. This includes General Aviation aircraft (Cat A) and turbo-propellor aircraft such as the ATR72 (Cat B).
<b>Cat CD aircraft</b>	Category C and D are heavier, jet aircraft.
<b>Runway Naming</b>	Runways are named based on the direction (or heading) an aircraft faces during an operation on that runway. For parallel runways, the L or R indicates whether it is on the left or the right. Dublin Airport has three runways: <ul style="list-style-type: none"><li>• South Runway - Operations are either on RW28L (facing west) or on RW10R (facing east)</li><li>• North Runway – Operations are either on RW28R (facing west) or on RW10L (facing east)</li><li>• Cross Runway – Operations are either on RW16 (facing south) or on RW34 (facing north)</li></ul>
<b>Wind Rose</b>	Circular graph of wind strength and direction issued by Met Eireann. As aircraft need to take-off and land when facing into the wind (except in low wind conditions less than 5 knots), the wind rose will give an indication of runway use.
<b>YTD</b>	Year To Date
<b>Zones A to F</b>	The "zones" are runway end zones defined for this report. For example, Zone A is west of the South Runway and is overflowed by arrivals on RW10R and departures on RW28L.

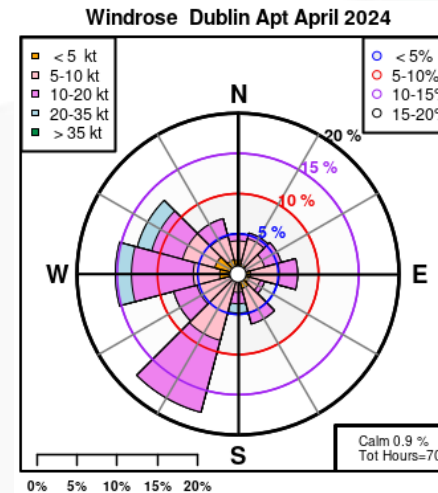
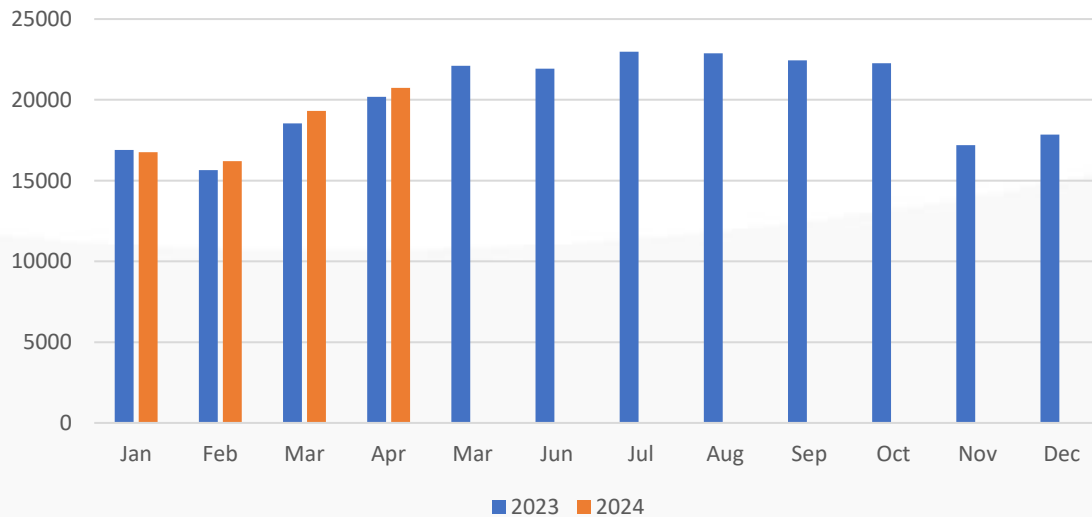
# Operations – Movements and Runway Use

## Aircraft Movements (Cat ABCD) Apr 2024

Zone		Arrivals		Departures	Total	
A	South Runway	from West (RW10R)	947	to West (RW28L)	1065	2012
B		from East (RW28L)	7925	to East (RW10R)	2213	10138
C	North Runway	from West (RW10L)	1278	to West (RW28R)	6855	8133
D		from East (RW28R)	0	to East (RW10L)	1	1
E	Cross Runway	from North (RW16)	227	to North (RW34)	3	230
F		from South (RW34)	6	to South (RW16)	209	215
			10383	10346	20729	



Monthly Aircraft Movements YTD + 2023



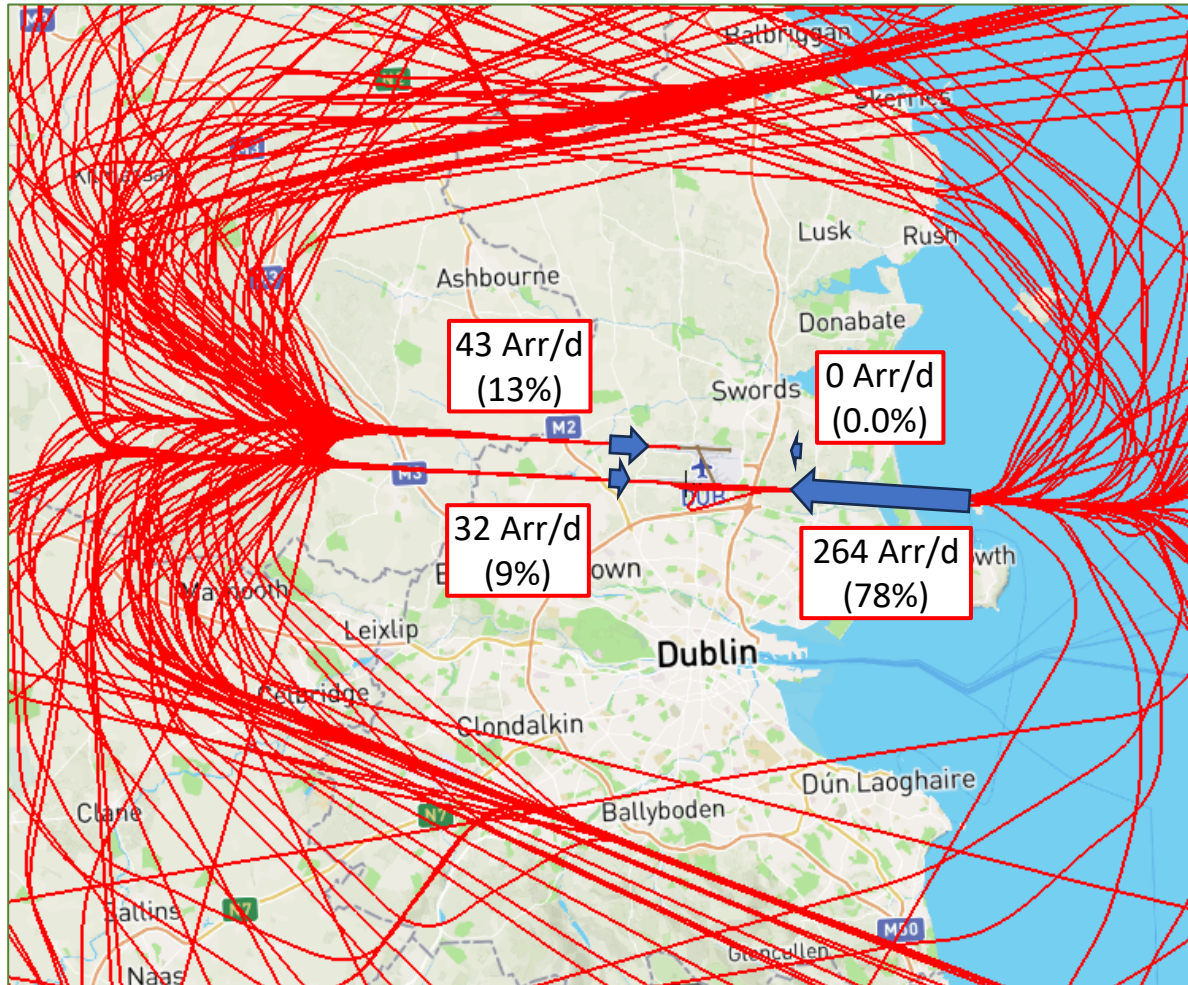
### April 2024 Wind Rose:

shows percentage of time in each wind direction.

Table below shows YTD – Westerly (W) and Easterly (E) operations

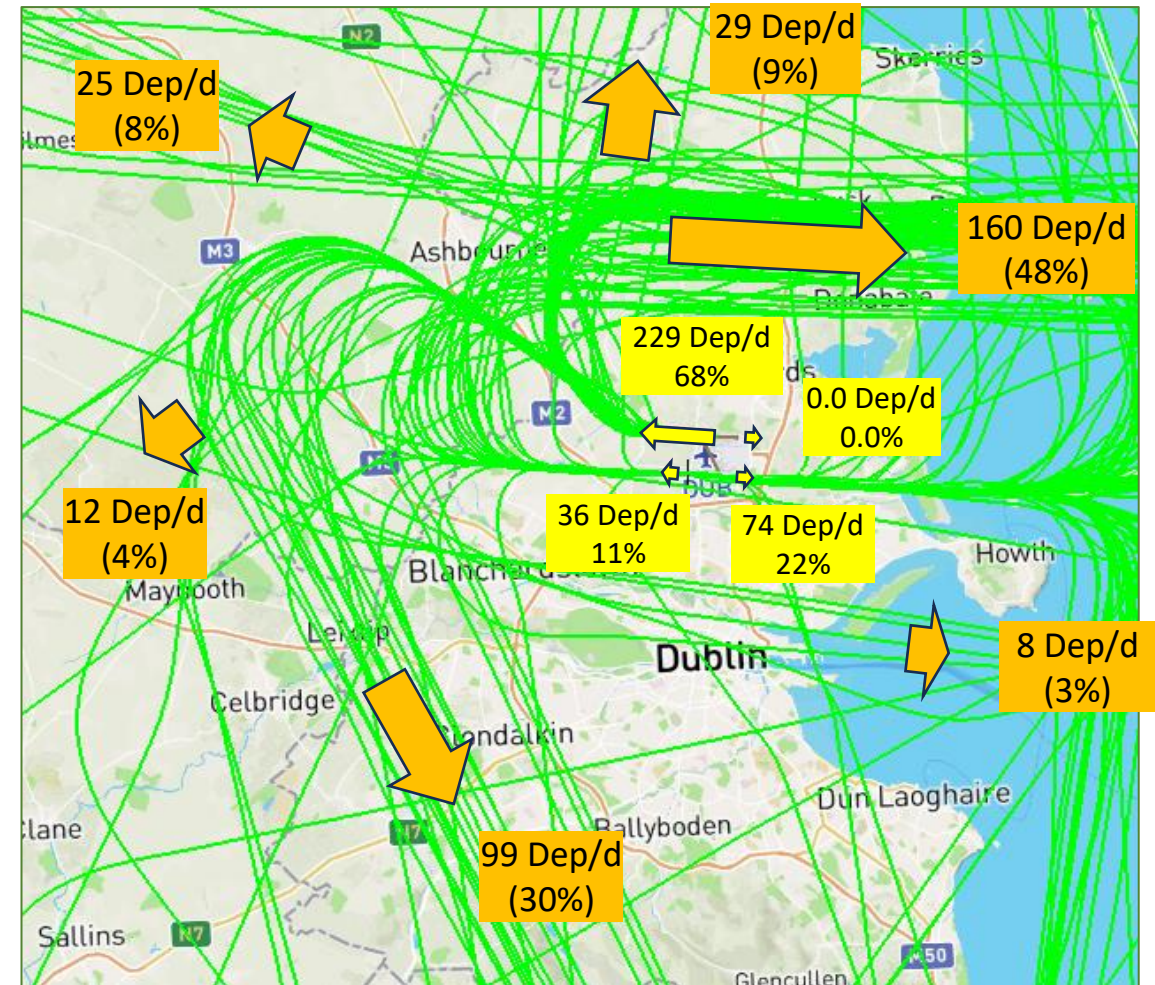
2024	Jan	Feb	Mar	Apr	May
W	86%	87%	56%	78%	
E	24%	23%	44%	22%	





Graphic depicts:

- Average arrival movements per day on each main runway
- % arrivals on each main runway April 2024
- Note: example flight track selection used



Graphic depicts:

- Average departure movements per day on each main runway (yellow boxes)
- % departures on each main runway April 2024 (yellow boxes)
- Average departures per day on each main track swathe (orange boxes)
- Note: example flight track selection used

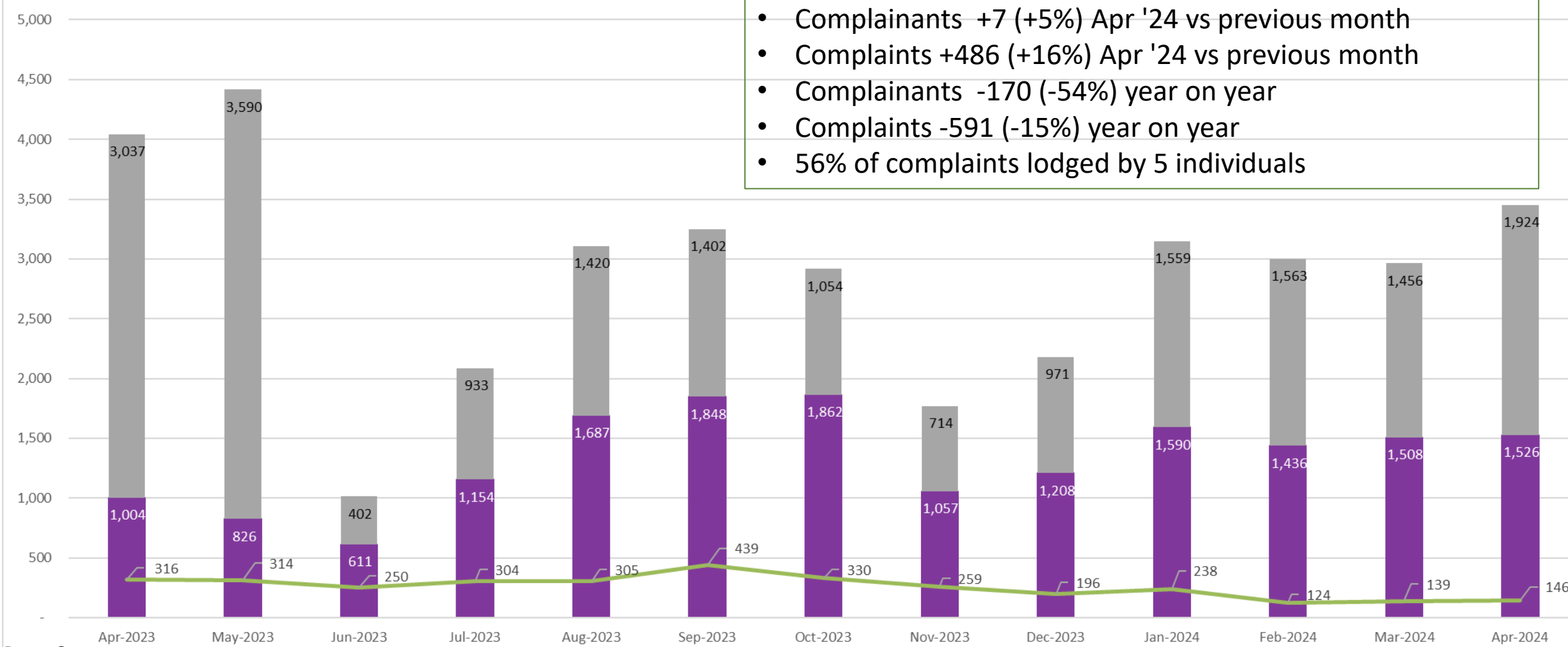
# Noise Complaints - Complainant Statistics



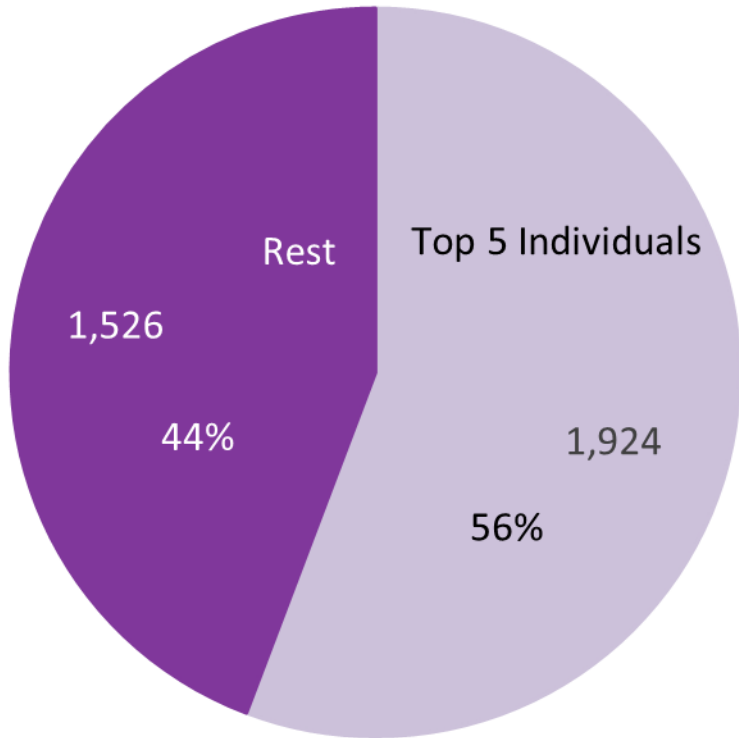
Complainant Statistics

Complaints excluded Top 5 Individuals    Top 5 Individuals' Complaints    Complainants

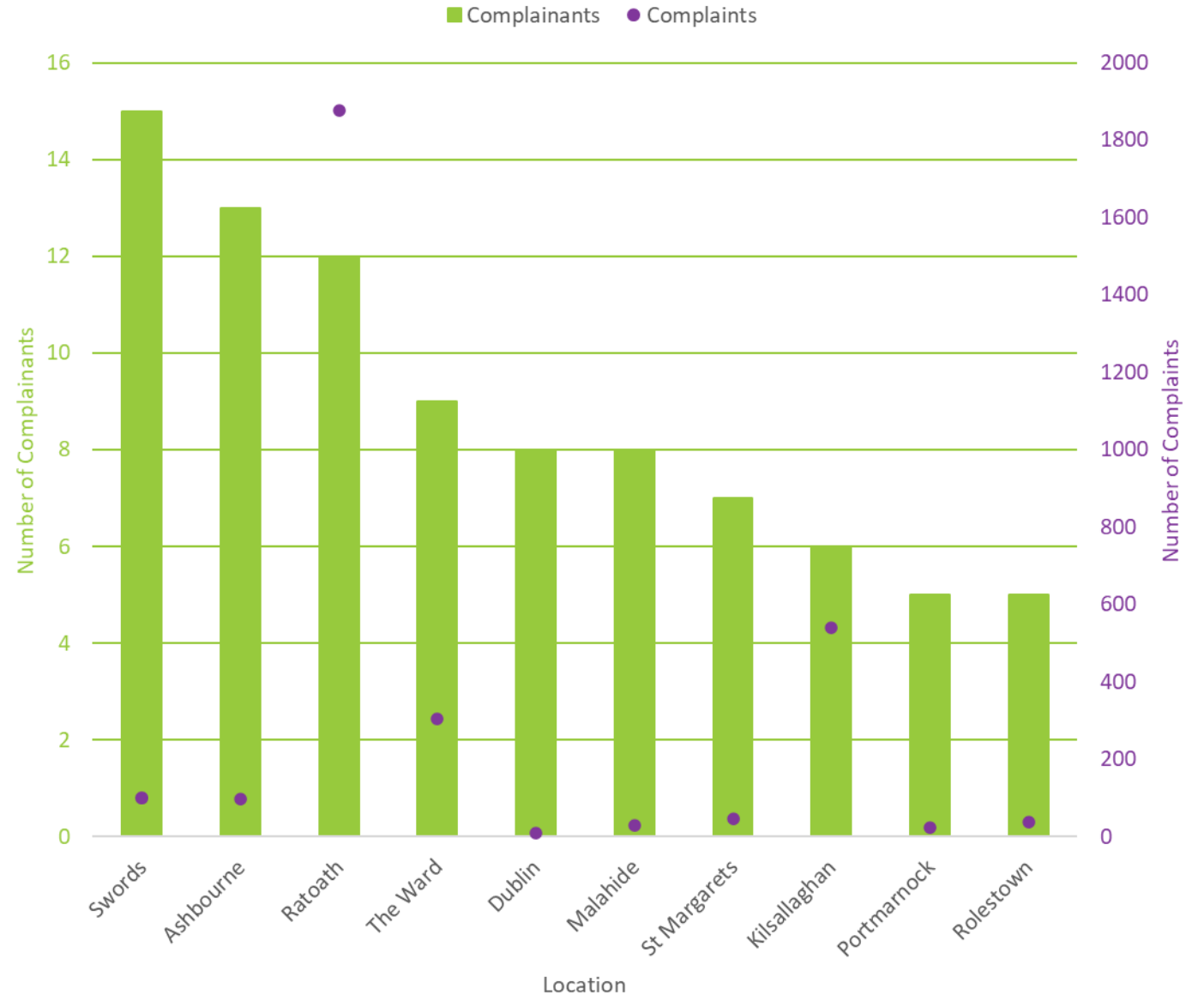
- Complainants +7 (+5%) Apr '24 vs previous month
- Complaints +486 (+16%) Apr '24 vs previous month
- Complainants -170 (-54%) year on year
- Complaints -591 (-15%) year on year
- 56% of complaints lodged by 5 individuals



Complaints by Top 5 Individuals - April 2024



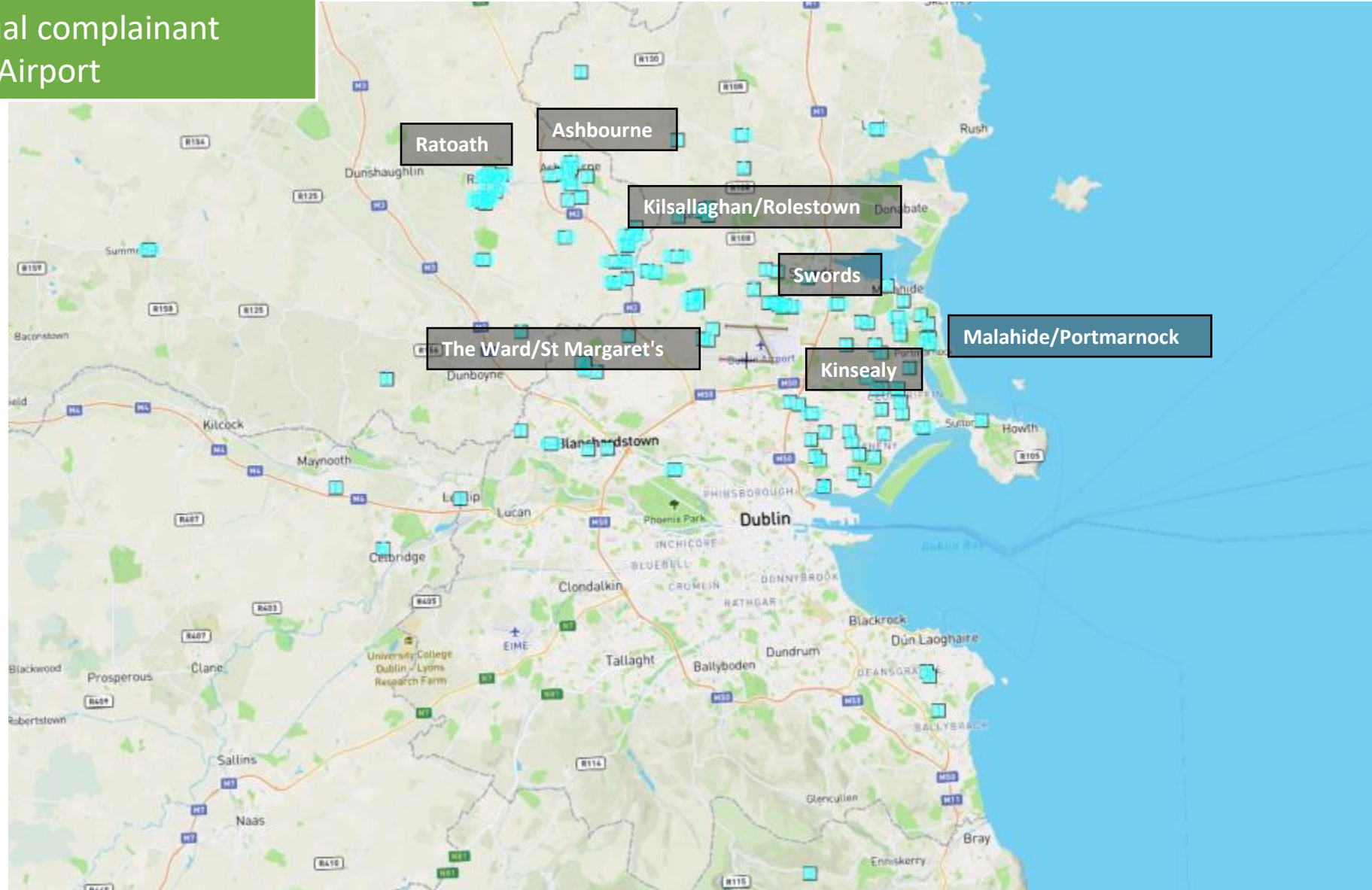
Top 10 Number of Complainants by Area - April 2024





# Noise Complaints - Complainant Hotspot Areas

- Blue boxes indicate individual complainant locations relative to Dublin Airport





# Noise Complaints – Bulk Complaint Request

- In March 2024, a letter template was circulated in the public domain relating to Dublin Airport's noise complaints system.
- From end March and over the course of April 2024, 57 of these templated letters from individual members of the public were received:
  - A. 44 requested that every departure off North Runway heading west (Zone C Departures on page 4) be registered as a complaint; and,
  - B. 13 requested that every departure to the East or landing from the East on North Runway (Zone D on page 4) be registered as a complaint.
- Dublin Airport's Complaint Management System is not designed to accept bulk complaints in this manner. If a complainant does not register their complaints through the formal system, they cannot be entered manually.
- Our monthly complaint and complainant reporting will continue to be based on those submissions registered through the formal web and phone channels.
- However, in acknowledgement of the letters received, we have calculated the total complaints that such requests would result in:
  - A. For the 23,600 departures heading west from North Runway in first four months of 2024:  
 $23,600 \times 44 \text{ requests} = \underline{1,038,400 \text{ additional complaints}}$  across the four months.
  - B. For the 151 Easterly Arrivals and 4 Easterly Departures on the North Runway in first four months of 2024 (0.2% of operations the airport):  
 $155 \text{ movements} \times 13 \text{ requests} = \underline{2,015 \text{ additional complaints}}$  across the four months.

I am writing to you to inform you that the Noise Complaint system at Dublin Airport is not fit for purpose.

Since the opening of the North Runway in August 2022, aircraft have been flying in the vicinity of my home which they were never planned to do and the environmental impacts of this unplanned flight path were never assessed or presented in the planning application which received permission in 2007.

Therefore every flight off the North Runway is a noise problem for me and my family. For us to use the complaints system we would have to spend all of our time between 7am and 11pm submitting these complaints. This is not practical.

I would therefore request that you log every flight off the North Runway as a complaint from me and I expect these complaints to be counted and acknowledged in the complaint system.

I have to live my life under the stress of the aircraft noise and this is bad enough without having to spend all day using your system to log a complaint. It is just not possible.

Thank you for your understanding on this matter and trust you will include my noise complaints.

*Template Letter Received*