

11 APOLOGIES

Apologies:

Alan Ascott Arch Under the Bridge
Larry Dack, Speke Estate
Angus Tilston MBE, Wirral Transport Users Association
Cllr Mary Rasmussen, Liverpool City Council
Tony Rice, Disabled Persons Rep
Jim Candlin, Environmental Health, Cheshire West and Chester Council
Wendy Salisbury Environmental Health Halton Borough Council
Ian Gaskell Environmental Health Knowsley Borough Council
David King-Hele, Environmental Health, Wirral Council

In Attendance:

Norman Elias, Chairman
Dr Ian Rushforth, Environmental Health Liverpool City Council
Cllr Malcolm Spargo, Hale Parish Council
Bob Swann, LJLACC Chairman
Councillor Tricia O'Brien, Liverpool City Council
Phil Jones, Easy Jet

Liverpool John Lennon Airport

Colin Barnes, Environmental Advisor
Andrew Dutton Head of Environment
Mark Swanton Environment Apprentice

Secretariat

Laura Bootland, Assistant Secretary

12 CHANGES IN MEMBERSHIP

The Assistant Secretary gave details of appointments and reappointments notified since the last meeting.

DECIDED: That

It was noted that Cllr Mary Rasmussen had replaced Cllr Jeremy Wolfson for Liverpool City Council, Speke and Garston Ward.

13 MINUTES OF LAST MEETING

DECIDED: That

the minutes of the meeting of the Noise Monitoring Sub-Committee held on 5th April 2019 be agreed as a correct record.

14 NOISE COMPLAINTS LOG

The Sub-Committee considered the Noise Complaints Log, which detailed the complaints received and the responses, for the period April 2019 to June 2019. Colin Barnes gave a presentation to members on the Noise Log which included analysis of the number of noise complaints received by date, number of complainants, administrative area and the total number of complaints compared to the previous year. He also detailed the number of engine test runs. The presentation is attached to these minutes.

During the period a total of 10,130 noise complaints had been received, although 10,081 were from one individual and 44 were not. There were also 5 general complaints.

The Sub-Committee discussed the complaints log and the different types of airport noise which could cause disturbance, including noise from different models of aircraft. It was noted that the majority of the 44 complaints were relating to runway noise. There had been no complaints relating to engine test runs.

The Sub-Committee commented on the wide geographical spread of the complaints across Liverpool and the wider region. It was confirmed that all of the complaints had been investigated and the flights in question were found to be operating within normal parameters.

DECIDED: That

the Noise Complaints Log for 1 April 2019 to 30th June 2019 be noted.

15 AIRSPACE CHANGE

Andrew Dutton, Head of Environment at the Airport updated members on the process for the proposed changes to airspace at the Airport which had been triggered by the need to transition from land based navigation beacons to satellite based guidance. The land based navigation aids are being rationalised nationally by 2022.

The Sub-Committee were advised that the Stage 2 Gateway has been passed by the Civil Aviation Authority and had now been passed following some changes to the wording. The next stage is the Stage 3 Consultation. The preparation for the consultation is starting in early 2020.

The Sub-Committee were asked for suggestions of who the Airport should consult with and the bulk of the consultation will be visible on the CAA Portal and will include responses and replies.

In response to questions from the Sub-Committee, it was confirmed that the airspace change be seeking to have an overall carbon emissions improvement.

DECIDED: That

the update on airspace change be noted.

16 INDEPENDENT COMMISSION ON CIVIL AVIATION NOISE (ICCAN)

Bob Swann, the Chairman of the Liverpool Airport Consultative Committee spoke to advise the Sub-Committee about the Independent Commission on Civil Aviation Noise (ICCAN) which provides an independent voice on civil aviation noise issues. ICCAN’s board of 5 Commissioners is headed by Robert Light, formerly the Leader of Kirklees Council.

ICCAN began work in January 2019 and followed the Government’s 2017 response to a consultation on UK airspace policy. There had been overwhelming support for a commission to be set up as it was felt that trust had broken down between the public, aviation and the aviation authority and better engagement was required with communities.

ICCAN would be an independent advisory body and not have enforcement or statutory powers and will inform future government policy.

The Commissioners have been visiting airports across the country and Liverpool Airport had been visited in June 2019.

DECIDED: That

The update on ICCAN be noted.

17 ANY OTHER BUSINESS

There was no business under this item.

18 DATE OF NEXT MEETING

The next meeting of the Noise Monitoring Sub-Committee is scheduled for 25th October at 10.30 a.m. in the Cavern Suite, Liverpool John Lennon Airport.

PRESENTATION SLIDES - NOISE LOG – ATTACHED BELOW

Chairman

Date

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Noise Monitoring Sub Committee

19th July 2019



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Minute Annex

With over 70 destinations to fly to, where will you go next?

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Noise Log

April to June 2019

Liverpool John Lennon Airport rolling 15 months movements April 2018 to June 2019

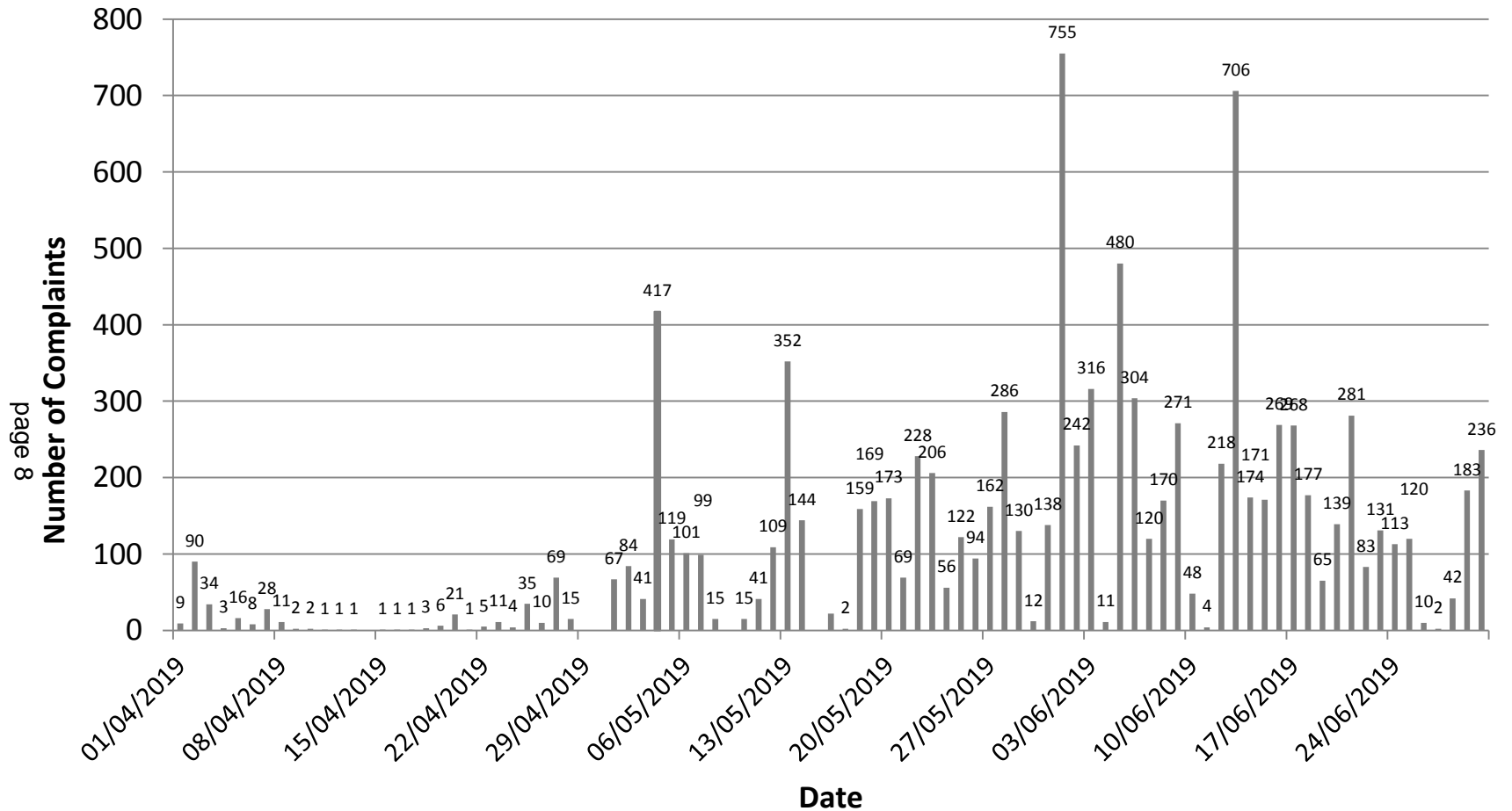
		Club	Commercial	Non Commercial	Other	Total
2018	April	2,009	2,570	92	101	4,772
	May	2,968	2,769	102	74	5,913
	June	2,615	2,552	95	119	5,381
	July	2,362	2,395	107	101	4,965
	August	2,180	2,752	110	113	5,155
	September	2,369	3,141	122	111	5,743
	October	2,354	3,358	207	108	6,027
	November	1,744	3,166	141	141	5,192
	December	1,480	3,402	160	83	5,125
	2019	January	1,484	2,580	177	71
February		2,453	2,579	184	66	5,282
March		2221	2820	108	59	5,208
April		2481	3023	170	71	5,745
May		2746	3285	197	113	6,341
June		2093	3272	197	94	5,656

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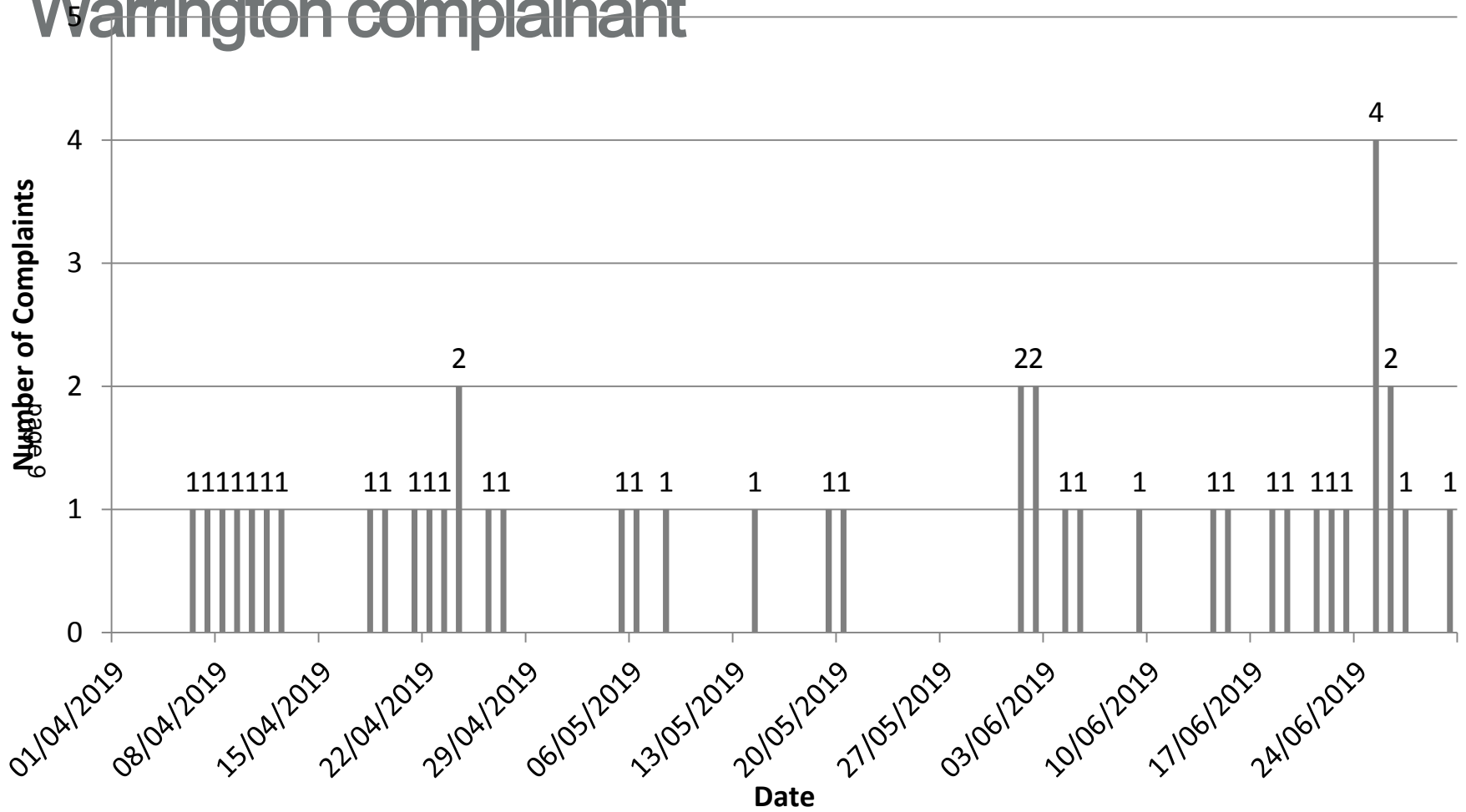
Liverpool John Lennon Airport noise complaints by day 1st April to 30th June 2019



With over 70 destinations to fly to, where will you go next?

#WhereNext liverpoolairport.com/wherenext

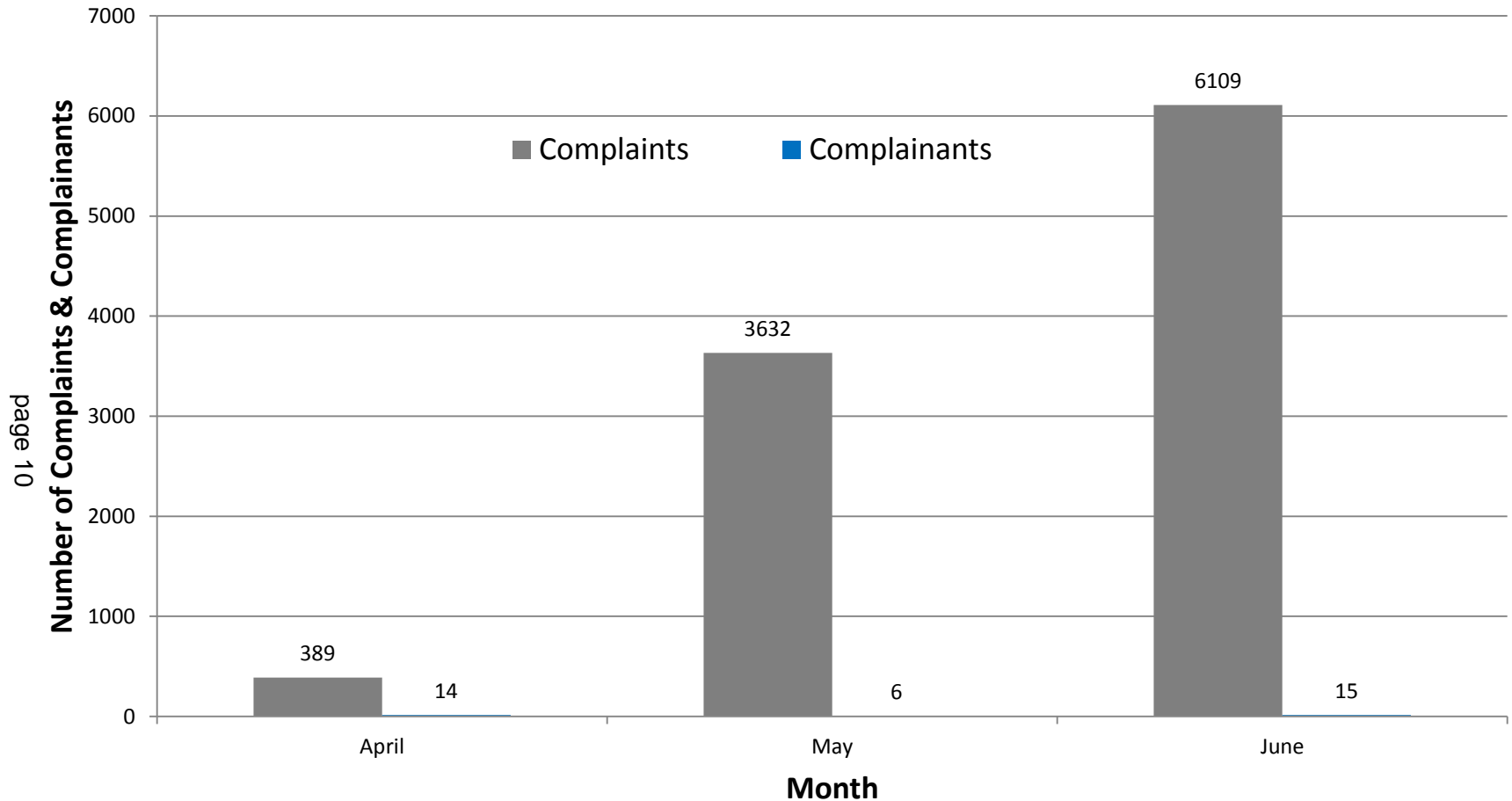
Liverpool John Lennon Airport noise complaints by day 1st April to 30th June 2019 without regular Warrington complainant



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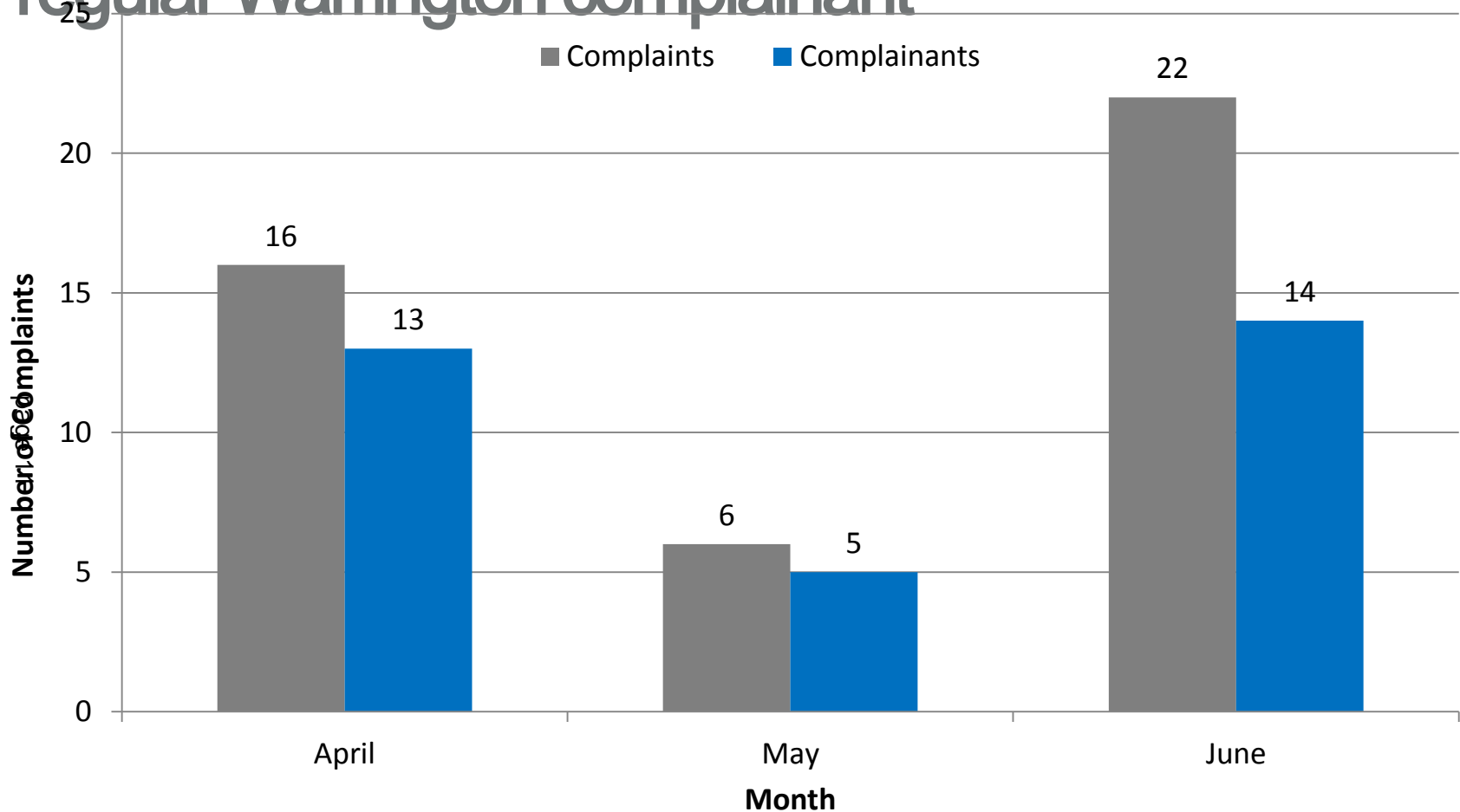
Liverpool John Lennon Airport Complaints and Complainants for 1st April to 30th June 2019



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Liverpool John Lennon Airport complaints and complainants for 1st April to 30th June 2019 without regular Warrington complainant

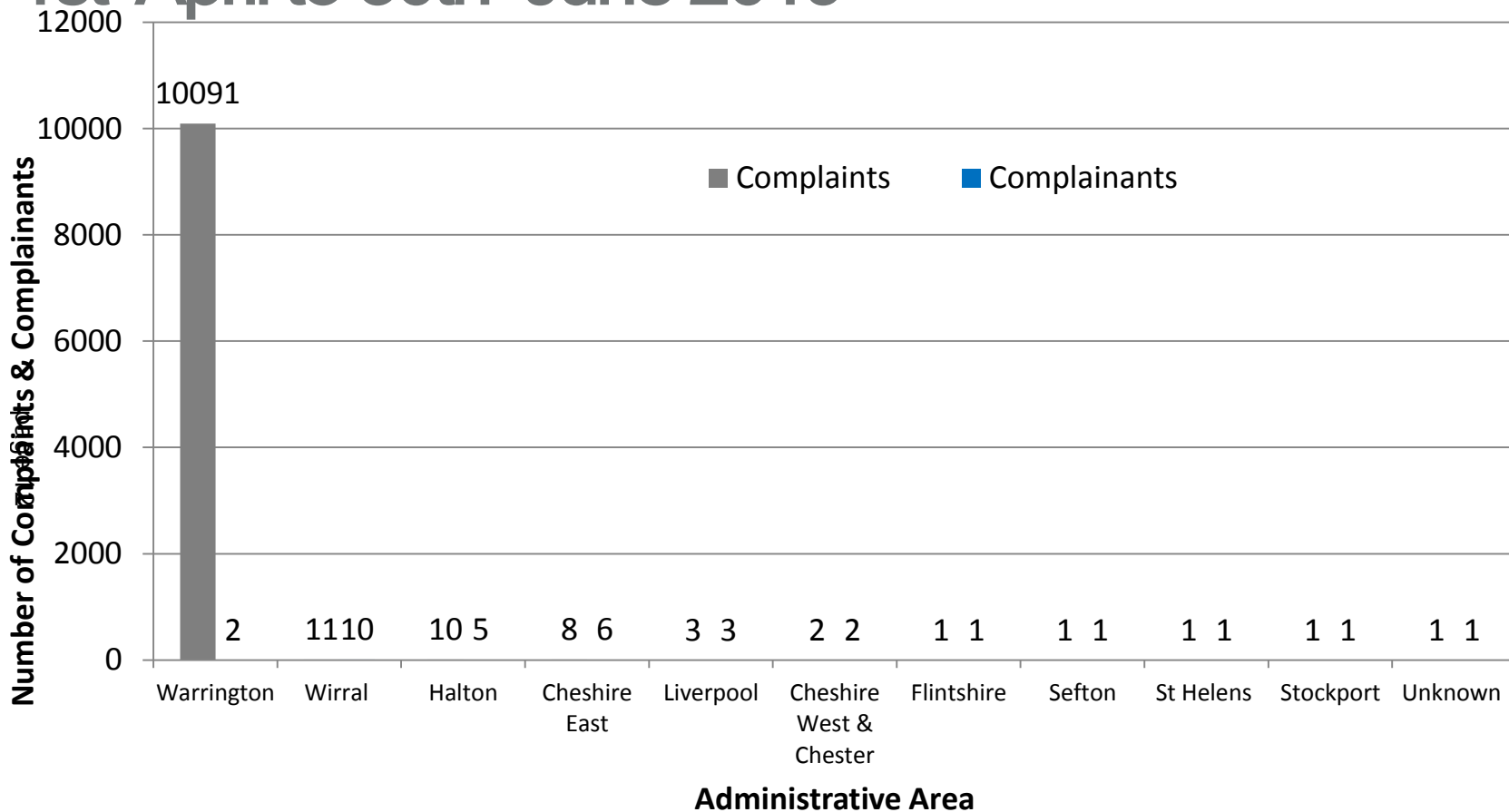


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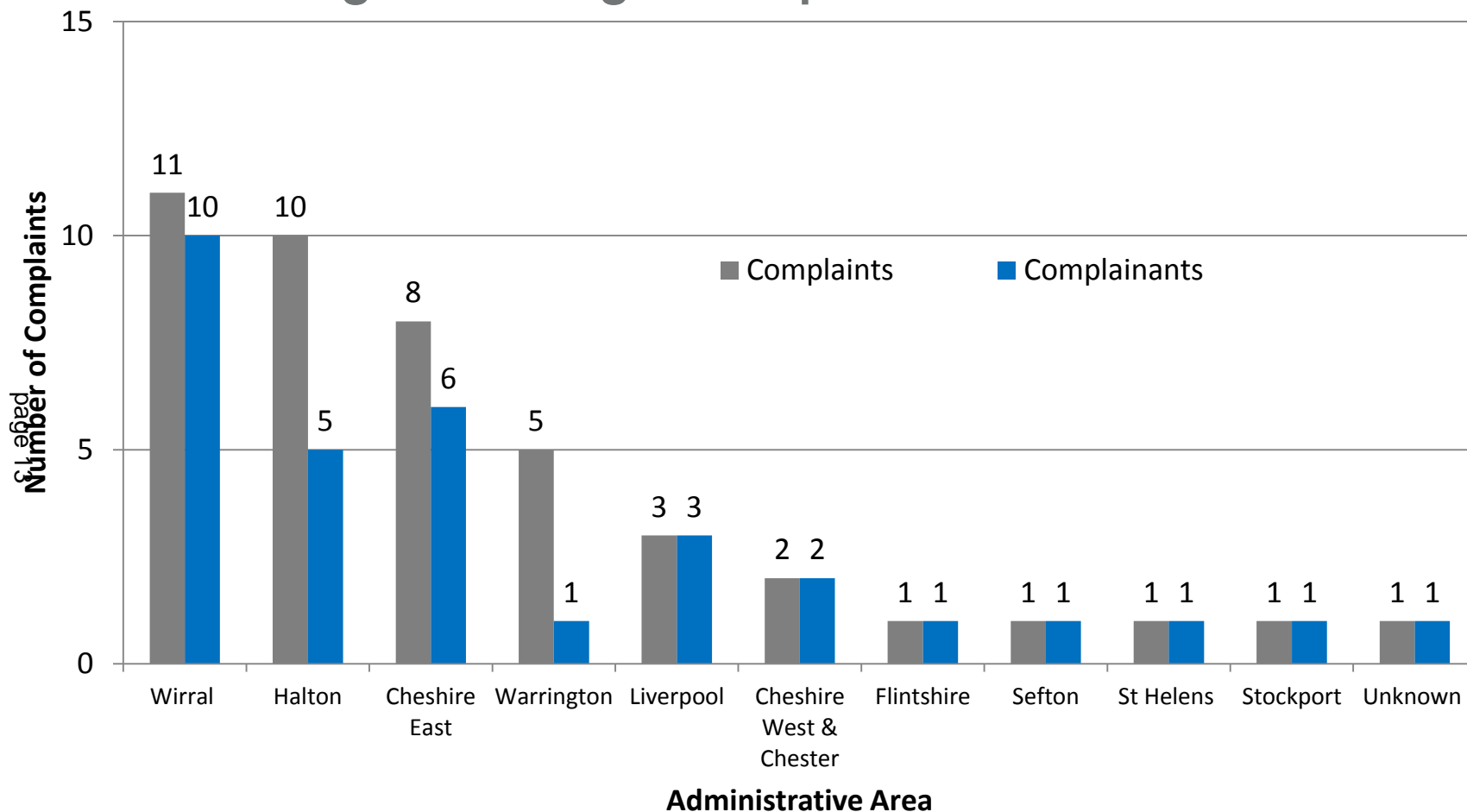
Liverpool John Lennon Airport number of complaints and complainants from each administrative area for 1st April to 30th June 2019



With over 70 destinations to fly to, where will you go next?

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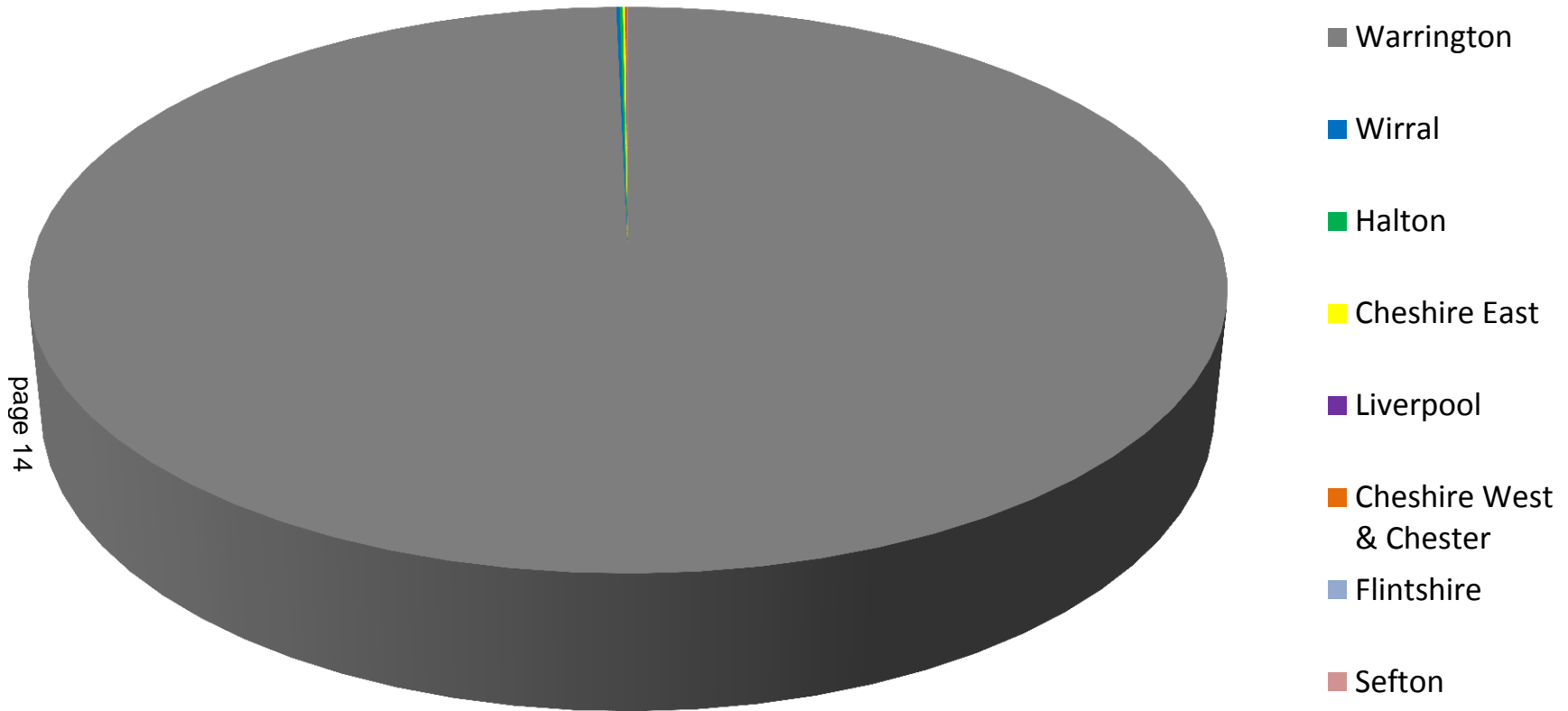
Liverpool John Lennon Airport number of complaints and complainants from each administrative area for 1st April to 30th June 2019 without regular Warrington complainant



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Liverpool John Lennon Airport percentage of complaints from each administrative area 1st April to 30th June 2019

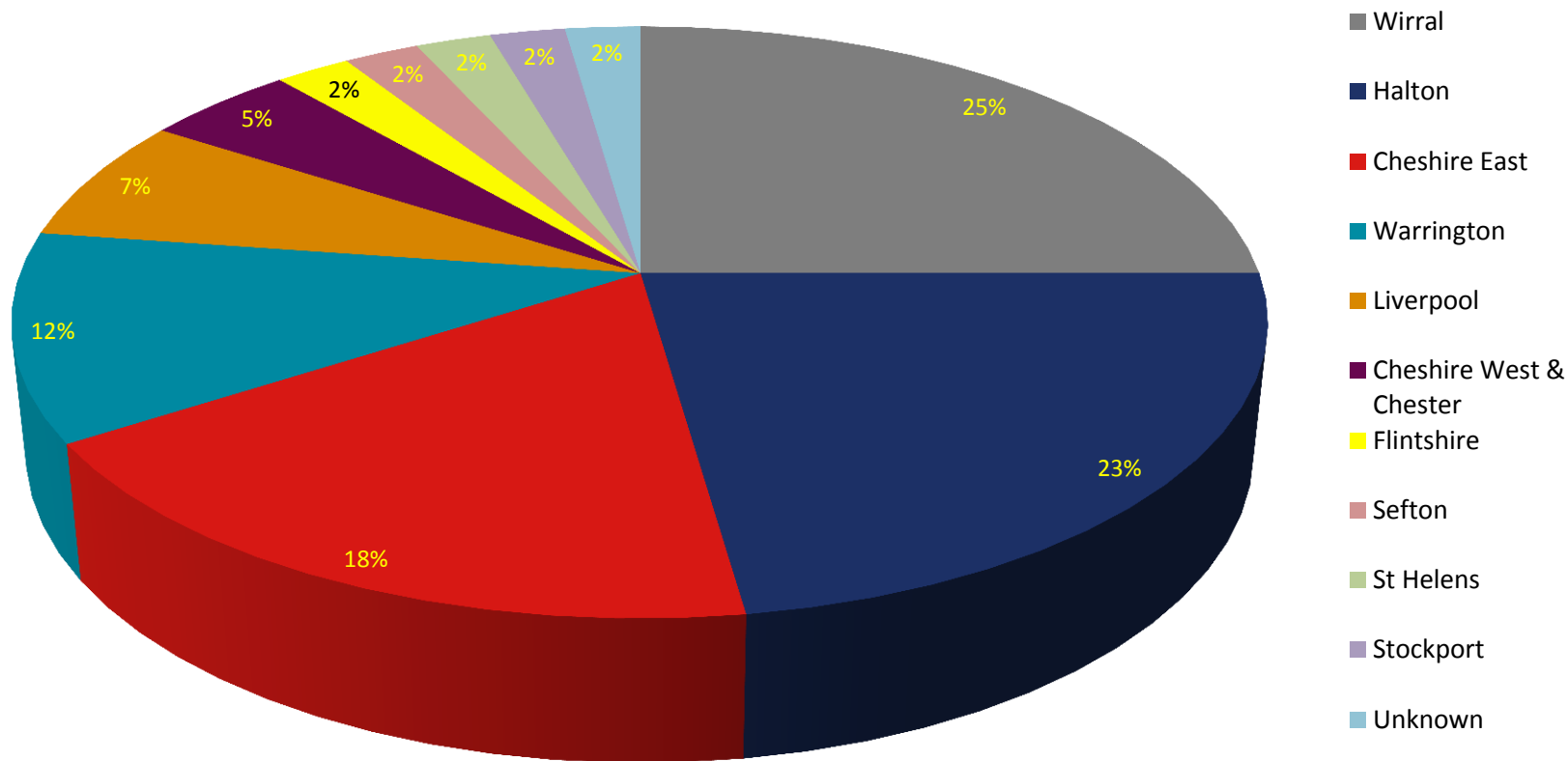


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Liverpool John Lennon Airport percentage of complaints from each administrative area 1st April to 30th June 2019 without regular Warrington complainant

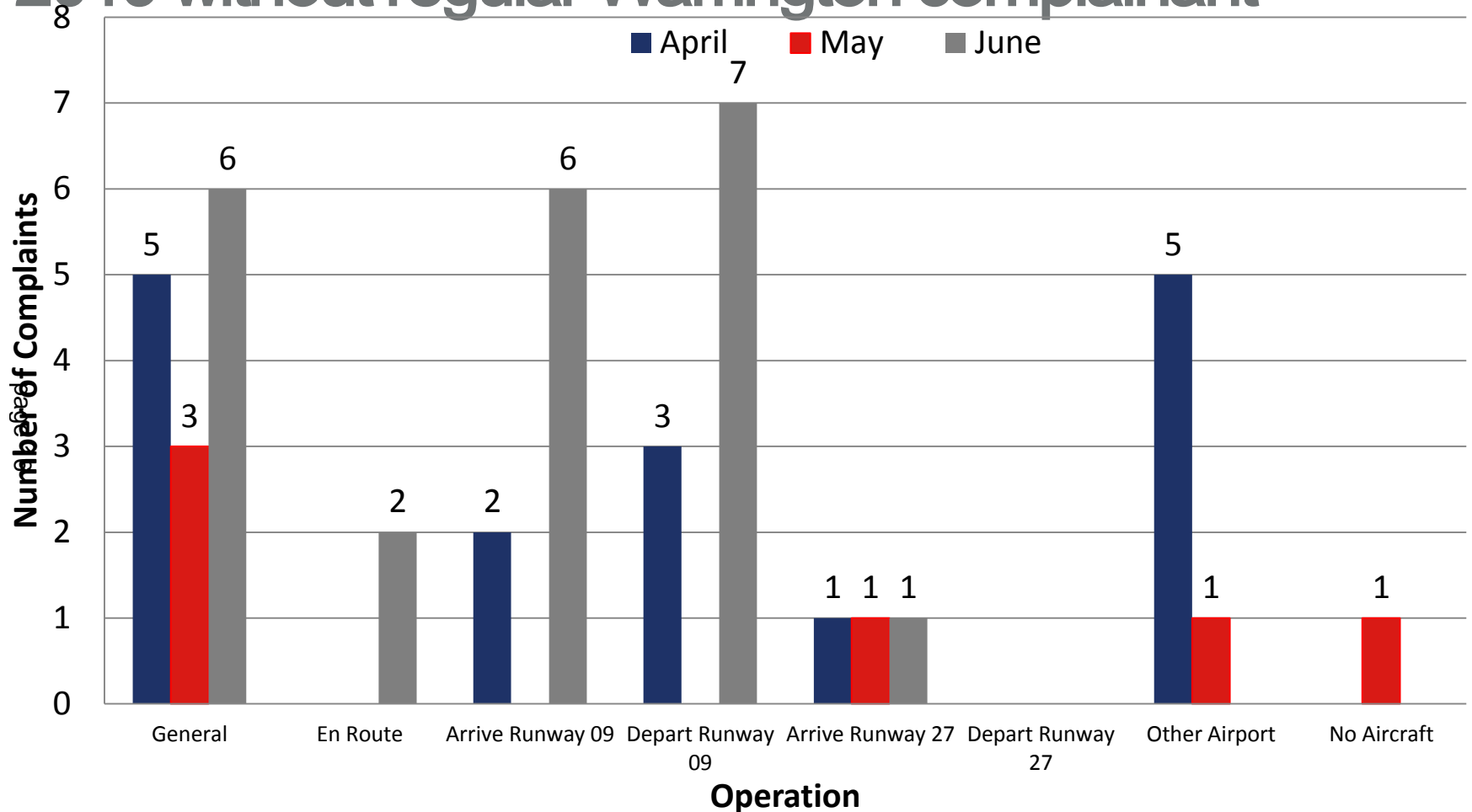
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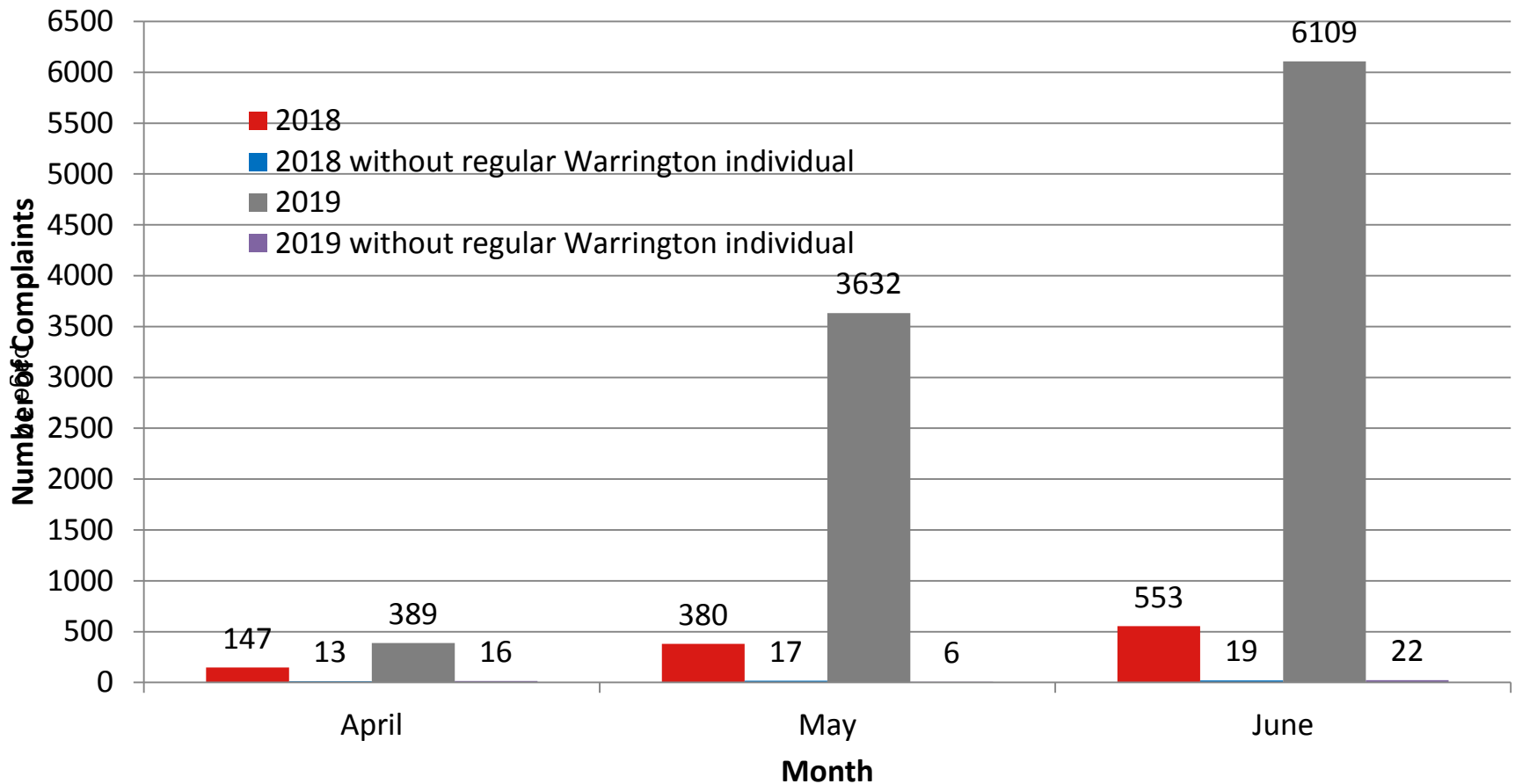
Liverpool John Lennon Airport operations that caused noise complaints from 1st April to 30th June 2019 without regular Warrington complainant



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Liverpool John Lennon Airport complaints comparison for April to June 2018 & 2019



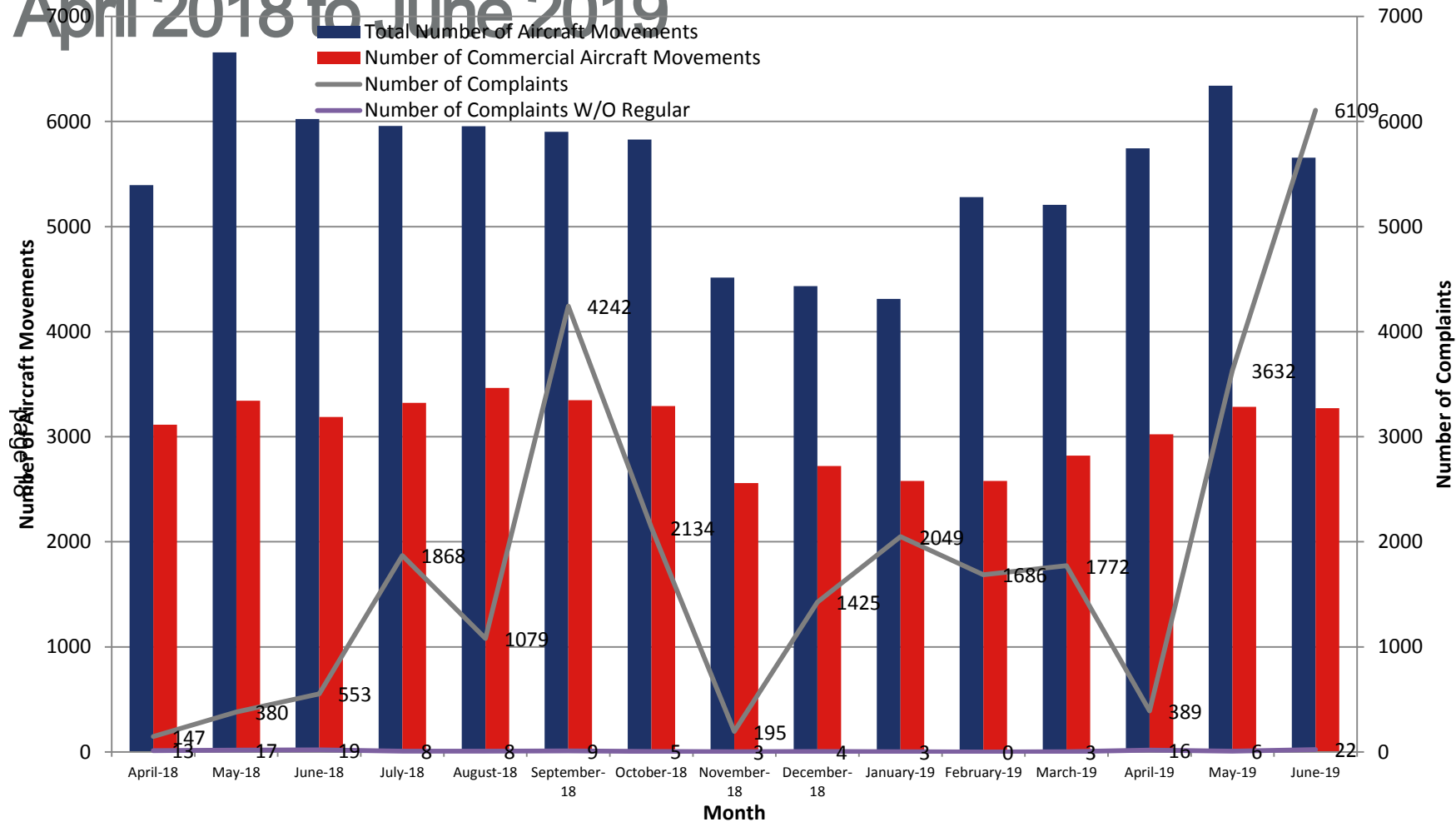
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Liverpool John Lennon Airport rolling 15 month aircraft movements and number of noise complaints

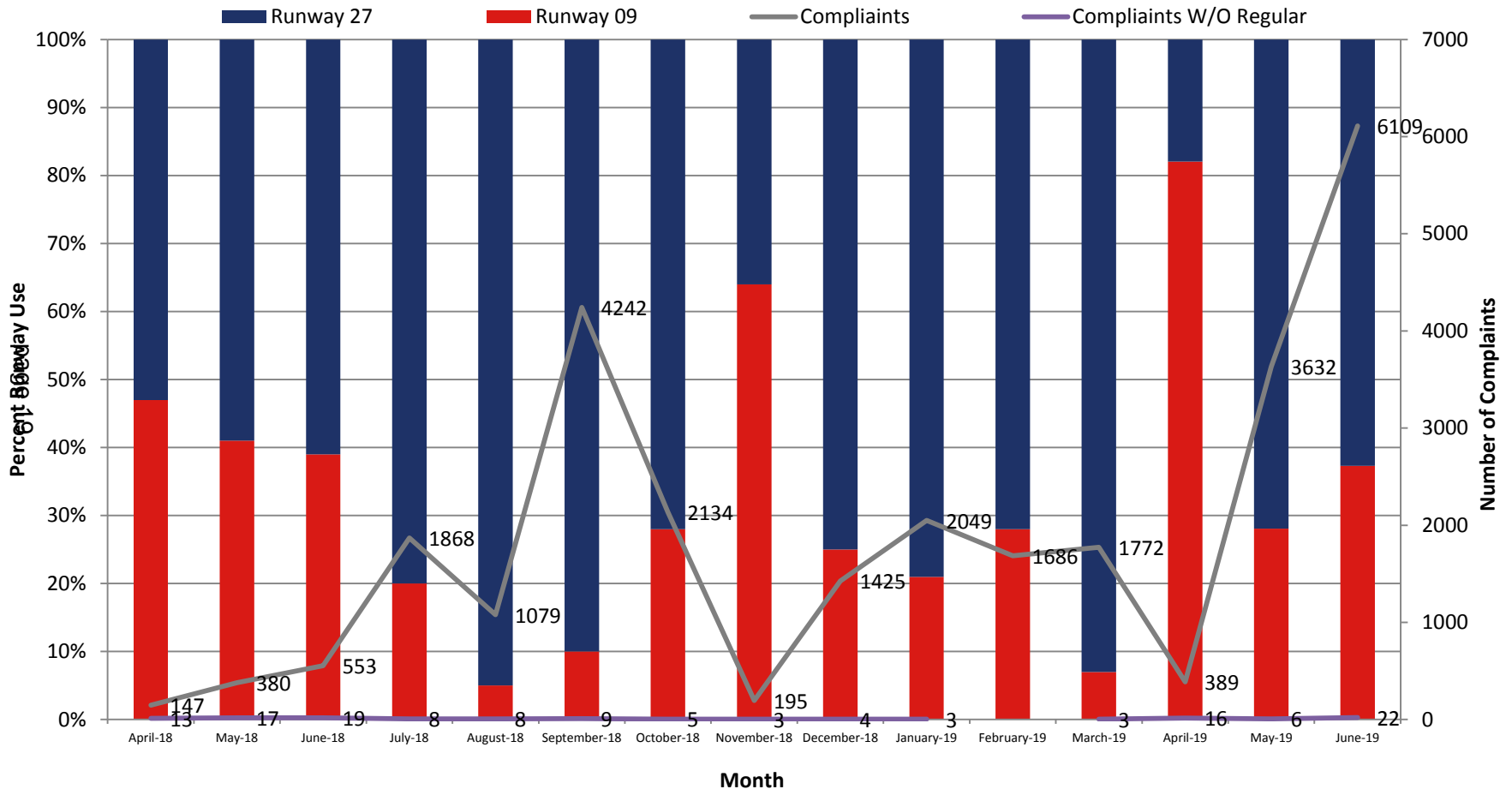
April 2018 to June 2019



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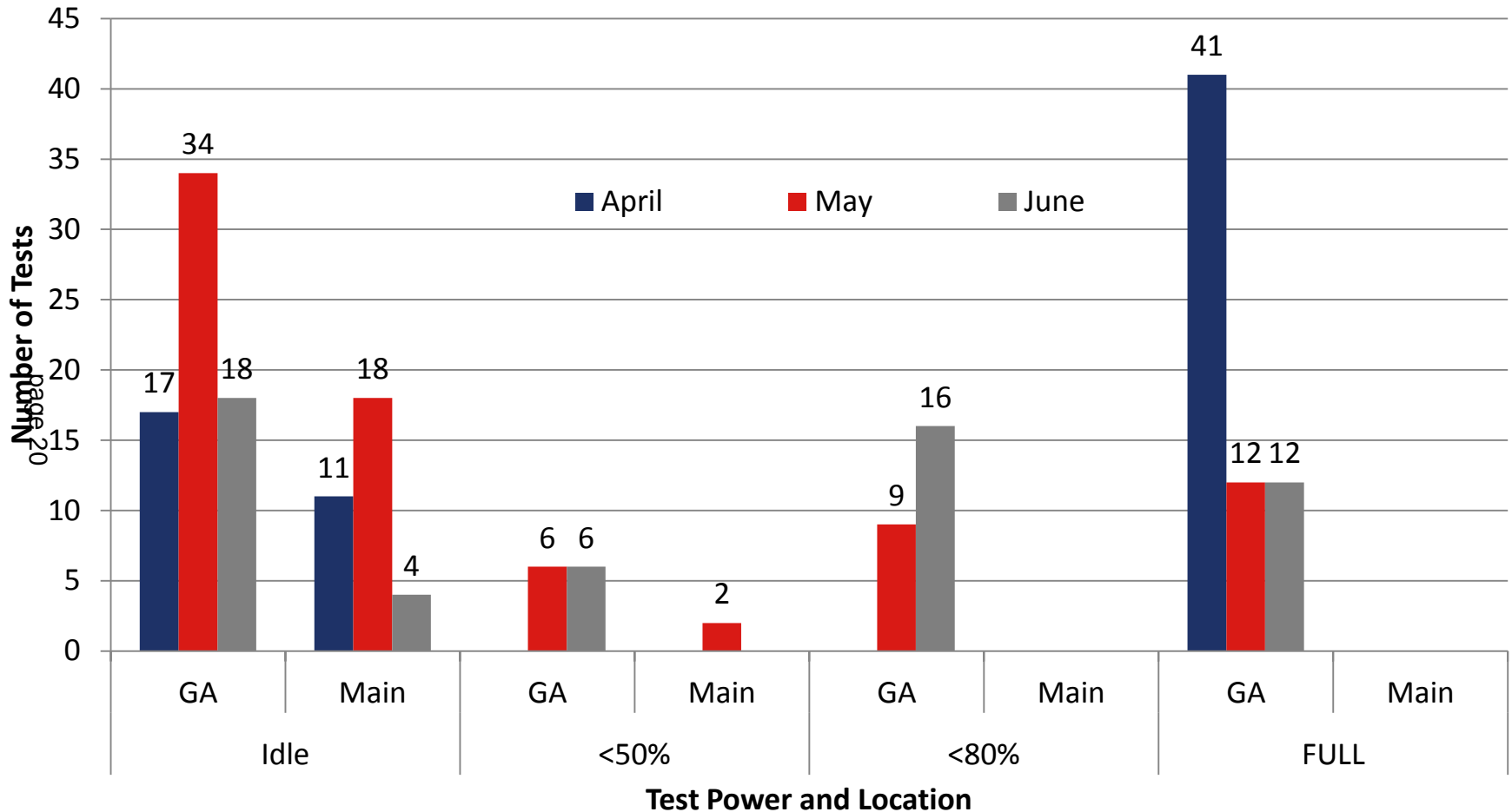
Liverpool John Lennon Airport rolling 15 month runway use and noise complaints April 2018 to June 2019



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Liverpool John Lennon Airport Engine Test Runs 1st April to 30th June 2019



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Annual Noise Report 2018

Annual Noise Report

2018



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#FlyLPL
liverpoolairport.com

60+ destinations to fly to.
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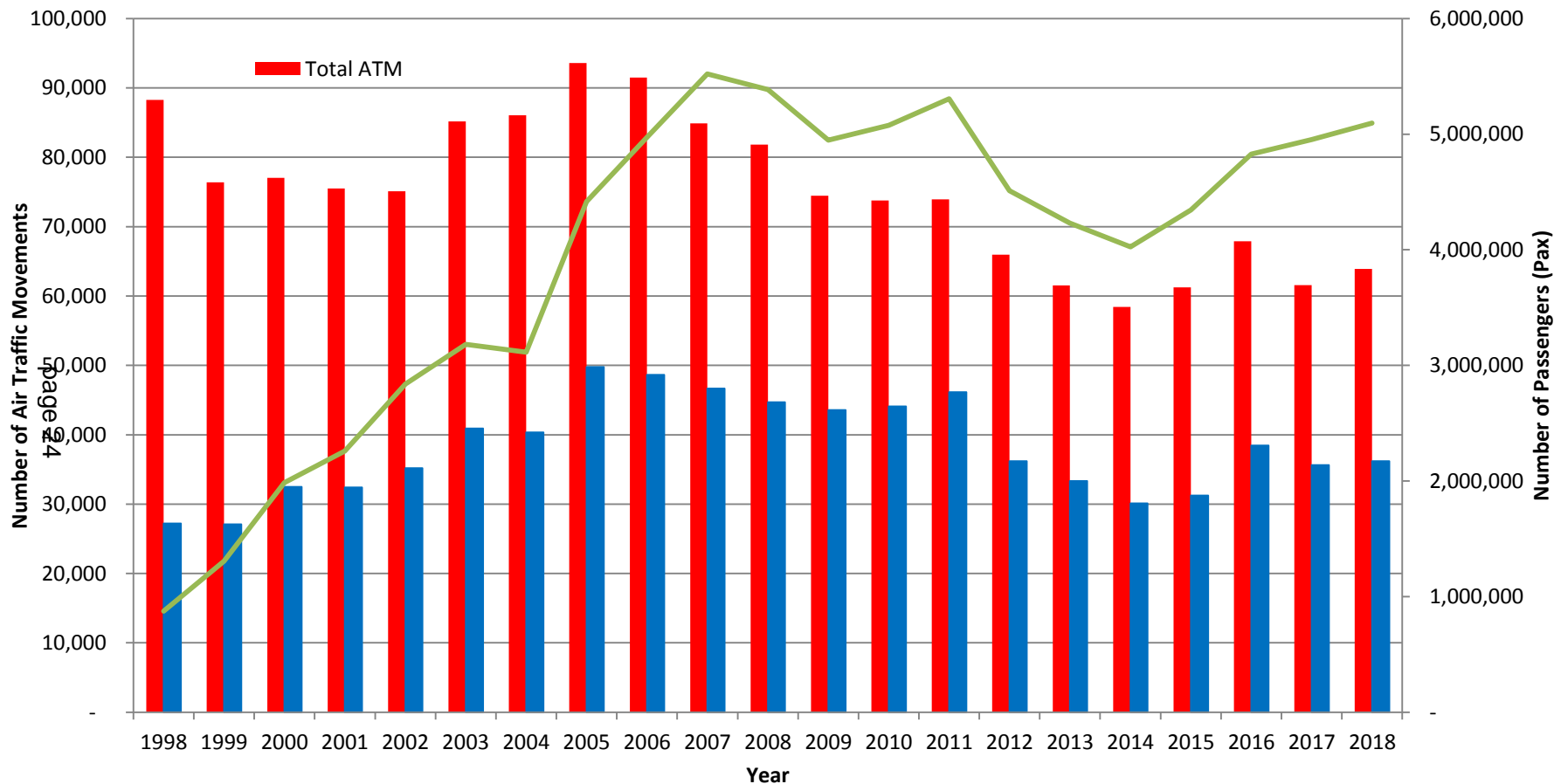
Review of Aircraft Movements 2018

		Club	Commercial	Non Commercial	Other	Total
2018	January	1,170	2,550	109	78	3,907
	February	1,800	2,455	122	82	4,459
	March	1,822	2,841	155	68	4,886
	April	2,009	3,115	190	81	5,395
	May	2,968	3,343	248	98	6,657
	June	2,615	3,187	144	77	6,023
	July	2,362	3,322	175	100	5,959
	August	2,180	3,465	188	123	5,956
	September	2,369	3,349	126	59	5,903
	October	2,354	3,292	112	70	5,828
	November	1,744	2,560	131	80	4,515
	December	1,480	2,720	191	42	4,433

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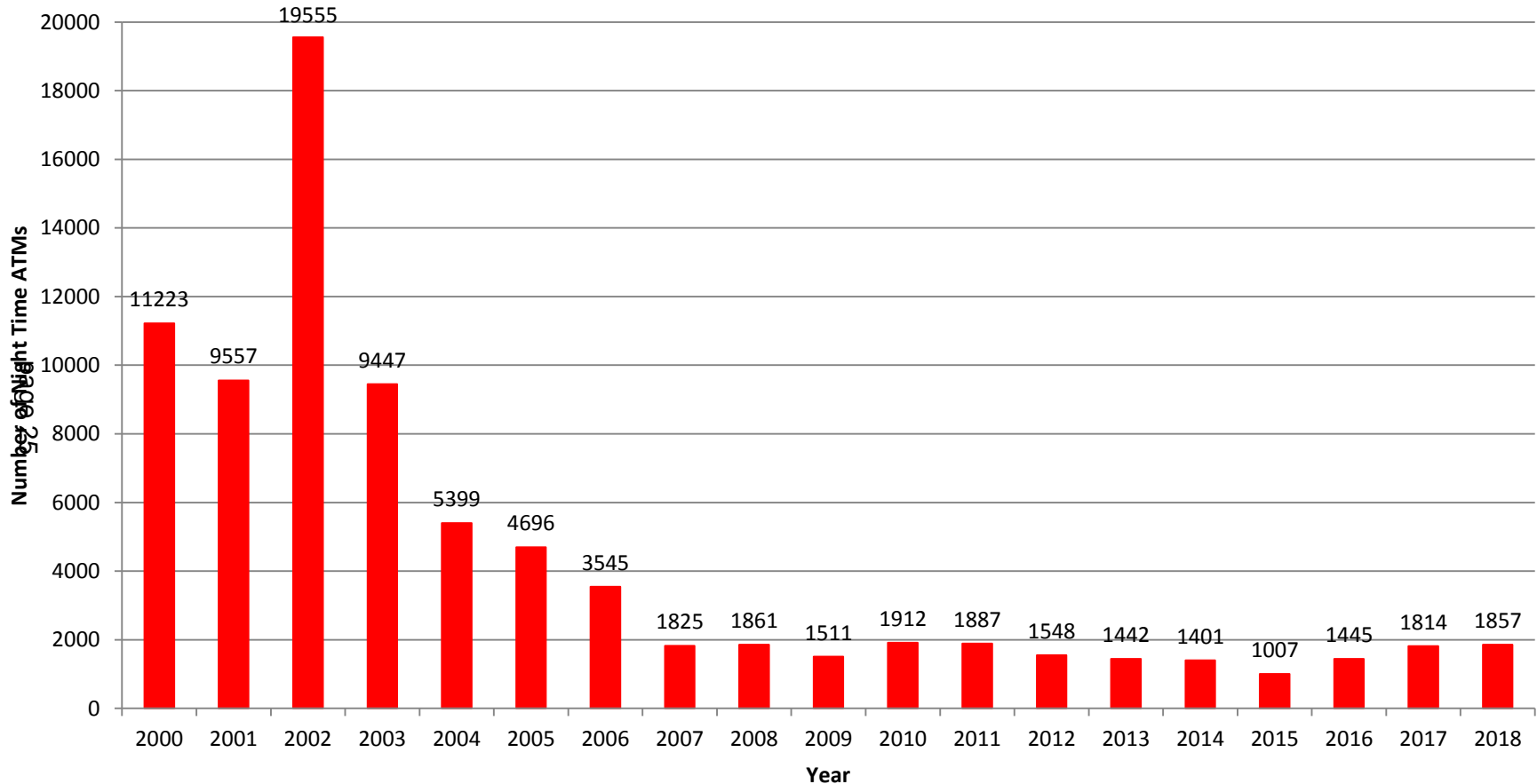
The movements are divided into Commercial (paying passenger services and cargo), Non Commercial (private aircraft), Club (private aircraft based at the airport) and Others (military and positioning flights and other miscellaneous aircraft movements). There was a total of 63,921 aircraft movements in 2018.

Review of Aircraft Movement (ATM) Type and Passenger (Pax) Numbers from 1999 to 2018



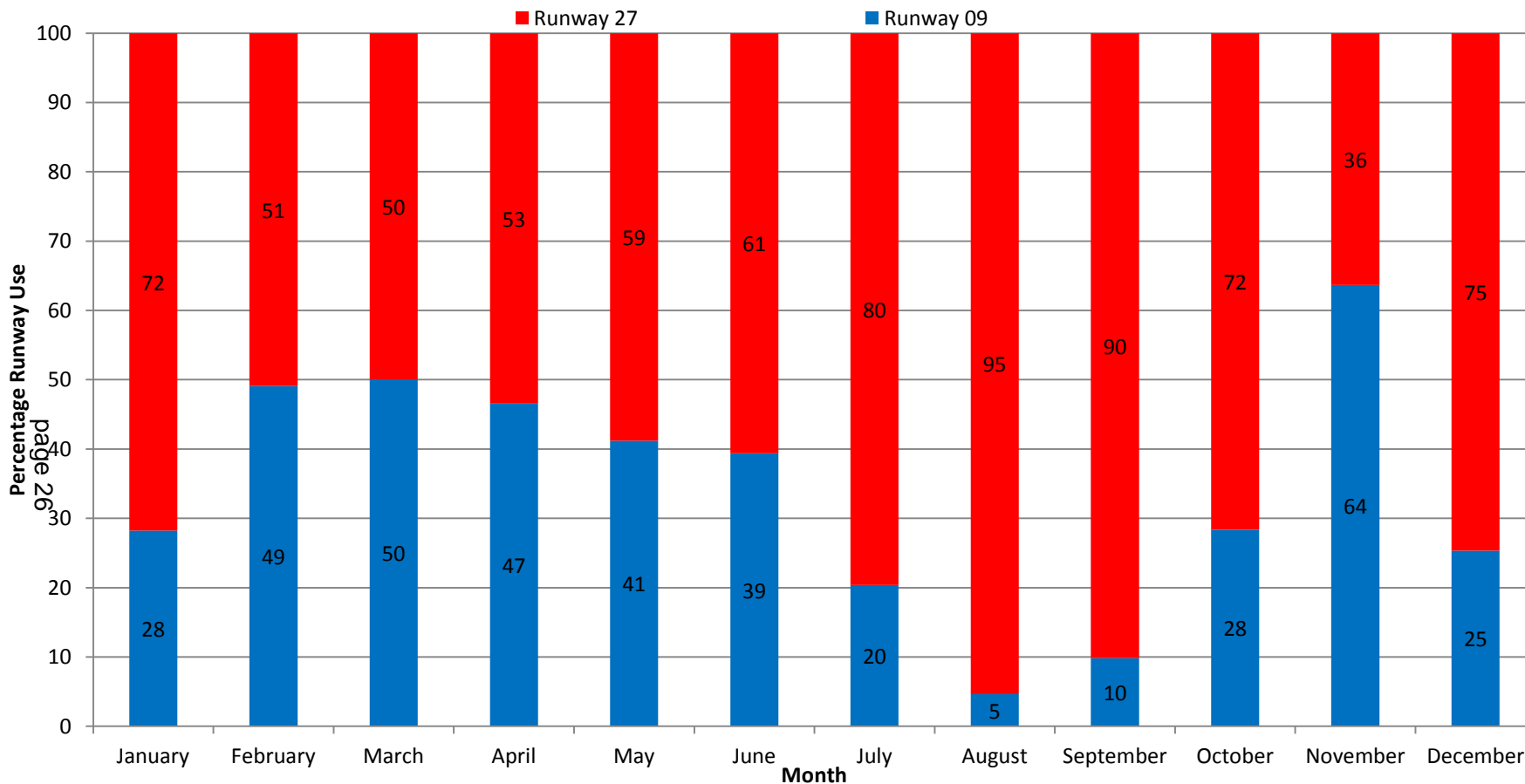
The chart illustrates aircraft movements (both total and commercial) as well as passenger numbers from 1998 to 2018. The number of commercial aircraft movements for 2018 were down by 22% on the peak number in 2005.

Number of Night Time (23:30 to 06:00) Aircraft Movements 2000 to 2018



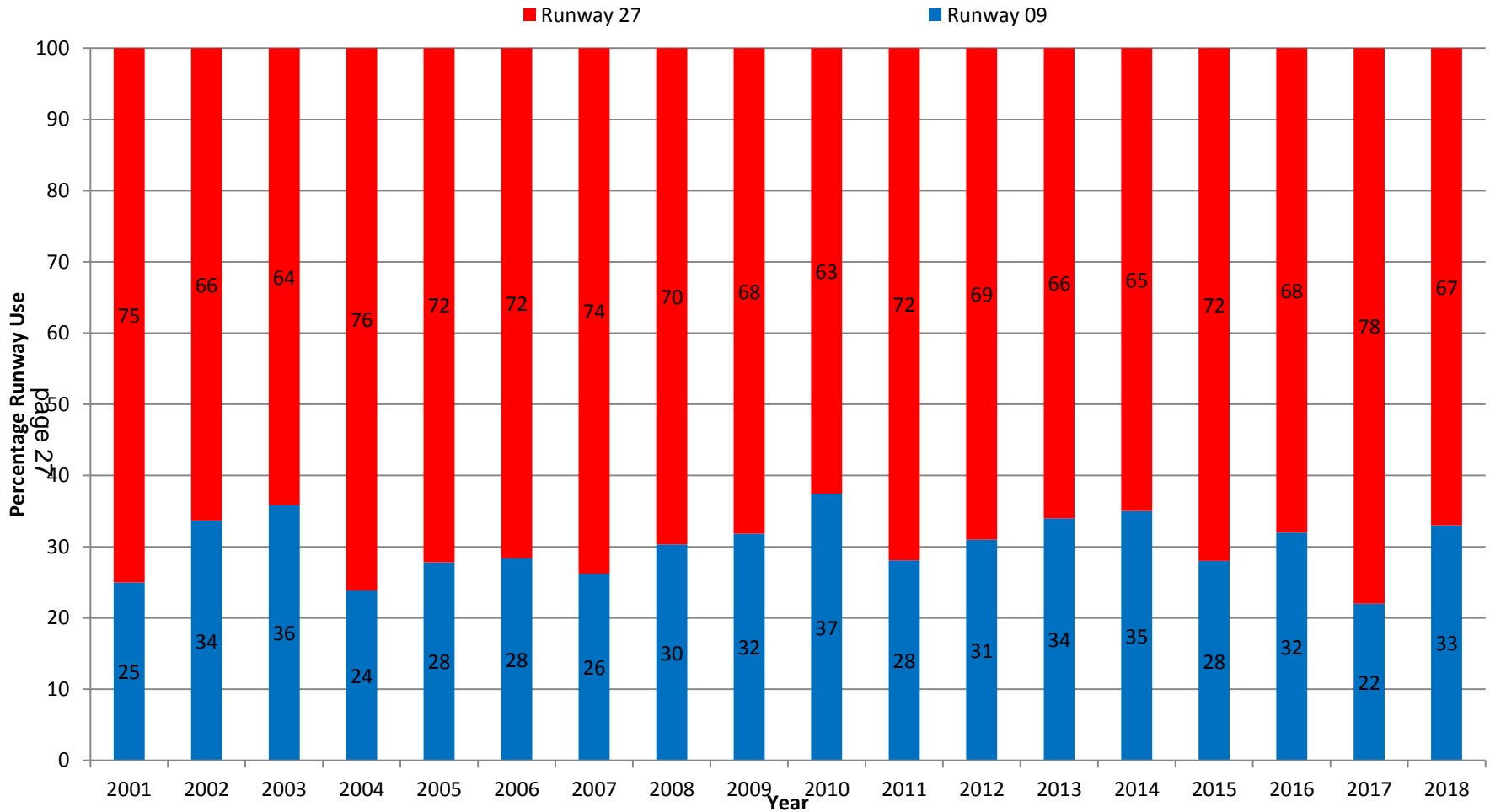
The number of aircraft movements during the night time quota period (23:30 to 06:00) from 2000 to 2018 is shown above. The number of night time aircraft movements for 2018 are down by 93% on the peak year of 2002 when there was a large night time cargo and mail operation at Liverpool John Lennon Airport.

Runway Utilisation per Month 2018



The overall percentage figure for 2016 were runway 09 = 33% and runway 27 = 67%. Runway 09 operations are aircraft arriving (over The Wirral Peninsula) and departing (over Hale Village) to the east. Runway 27 operations are aircraft arriving (over Hale Village) and departing (over the Wirral Peninsula) to the west.

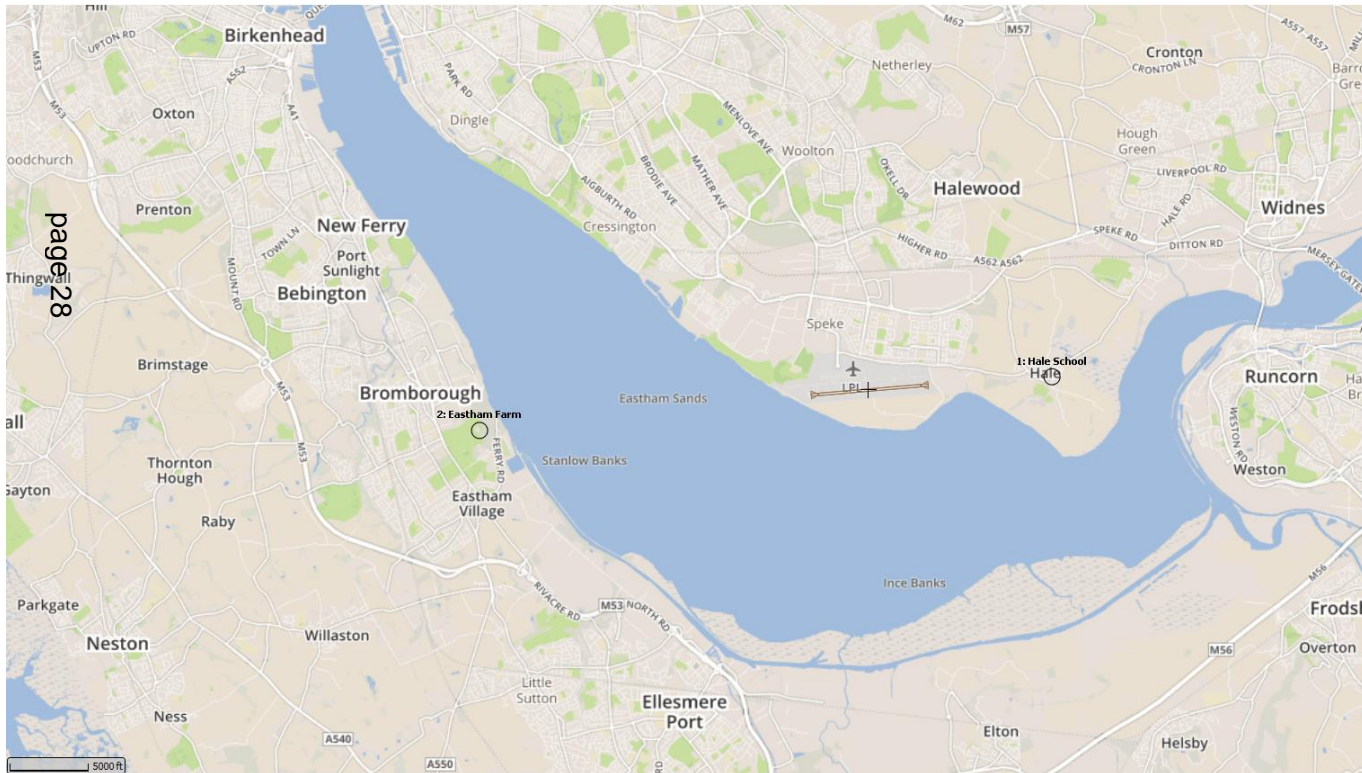
Runway Utilisation 2001 to 2018



The average for the 2001 to 2018 period shown are runway 09 = 30% and runway 27 = 70%.

Noise Monitoring

Airborne aircraft noise is monitored at two fixed Noise Monitoring Terminals (NMT's) at Hale C of E Primary School (NMT 1) to the east of the runway and at Eastham (NMT 2) to the west of the runway. The NMT's measure all relevant acoustical parameters. The acoustical parameters are stored in the Noise Monitoring Terminal (NMT) on a data logger located in the NMT cabinet and the data is collected twice a day. New Noise Monitoring equipment was installed in October 2018 at both locations.



Average Event Annual Noise Levels for Eastham and Hale Noise Monitoring Terminals (NMT) 2018

		Runway 09						Runway 27					
		Arrivals (NMT 2 - Eastham)			Departures (NMT 1 - Hale)			Arrivals (NMT 1 - Hale)			Departures (NMT 2 - Eastham)		
Airline	Aircraft Type	L_{Aeq} dB	SEL dB(A)	L_{Amax} dB	L_{Aeq} dB	SEL dB(A)	L_{Amax} dB	L_{Aeq} dB	SEL dB(A)	L_{Amax} dB	L_{Aeq} dB	SEL dB(A)	L_{Amax} dB
Fly BE	ATR-75	62.2	82.4	74.0	62.6	73.0	65.6	74.9	89.9	83.0	NA	NA	NA
easyJet	Airbus A319	71.0	85.2	76.7	68.0	81.9	72.7	76.7	91.1	84.2	65.5	78.9	69.7
easyJet	Airbus A320	71.0	85.2	76.8	69.2	83.5	73.9	76.7	91.3	84.3	65.6	79.0	69.8
Wizz Air	Airbus A320	68.8	82.6	73.7	73.1	88.0	78.9	75.5	90.1	82.7	64.2	77.1	67.9
Ryanair	Boeing 737-800	71.2	85.4	77.1	73.4	88.4	79.0	77.6	92.1	85.1	65.4	78.5	69.3
Blue	Boeing 737-700	70.7	85.8	76.1	72.2	88.5	73.4	76.2	90.4	83.5	64.7	77.6	68.7
Blue	Boeing 737-800	71.1	85.6	76.9	75.6	90.5	81.6	77.9	92.5	85.5	64.2	77.2	67.3

L_{Aeq} - Equivalent continuous sound level. The steady dB(A) level which would produce the same A-weighted sound energy over the stated period of time as specified time-varying sound.

SEL - The Single Event Level (SEL) is a measure of aircraft noise from a single event which takes account of the duration as well as the intensity, being the level maintained constantly for a period of one second that would deliver the same A weighted energy as the given noise event.

L_{Amax} - The L_{Amax} is the maximum noise level measured with slow time weighting and represents the highest level of environmental noise occurring during a correlated noise event.

The Noise Levels vary at NMT 1 and NMT 2, because NMT 1 (4.6 km) is located closer to the Airport than NMT 2 (8.5 km).

Noise Event Report

Flight Details

Flight Number

Tail Number GEZGE

Beacon Code 5411

Aircraft Type A319

A/D Flag D

Runway Name 27

Origin EGGP

Destination LPFR

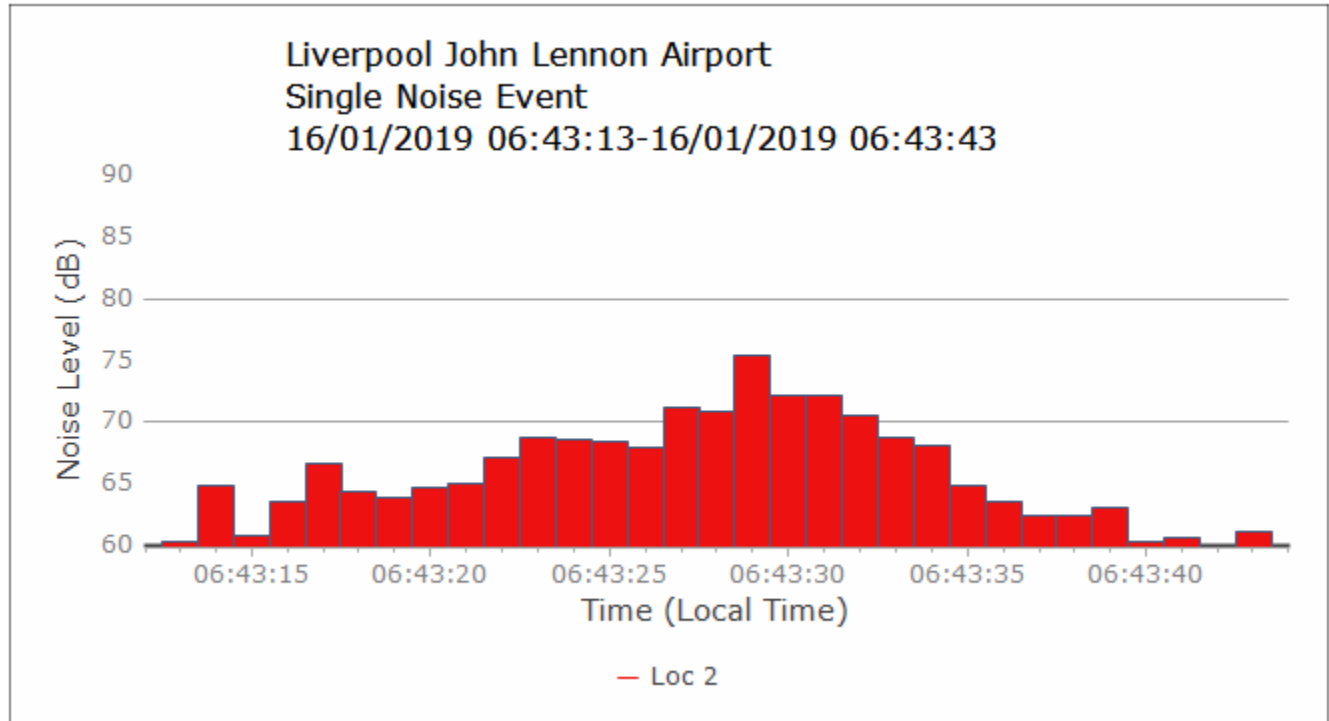
Way Point

Actual Time 16/01/2019

16/01/2019

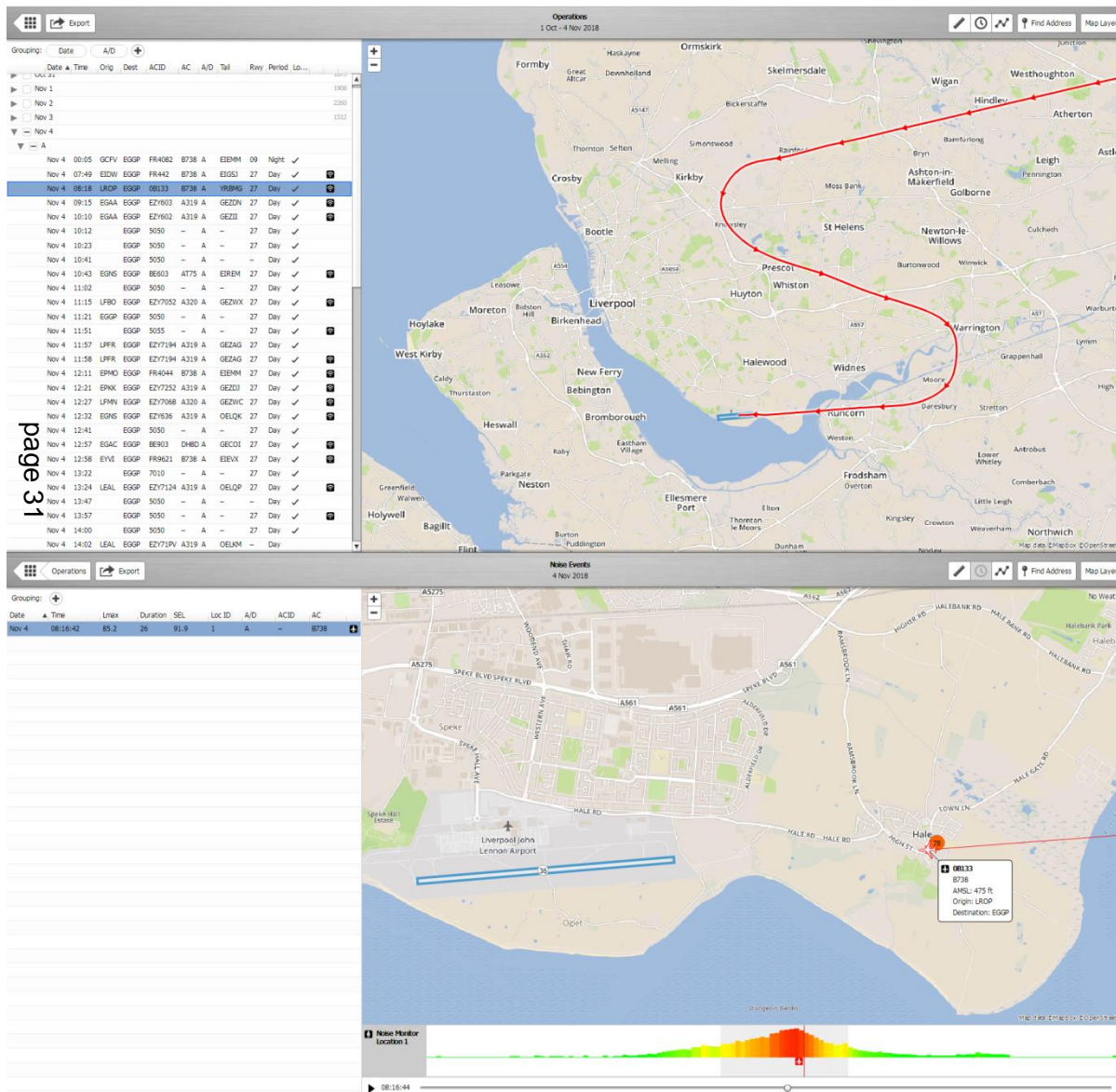
06:41:14

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Example of a Noise Event Report form the Noise Monitoring System (NMT 2) for a easyJet Airbus A319 arrival on departure on runway 27.

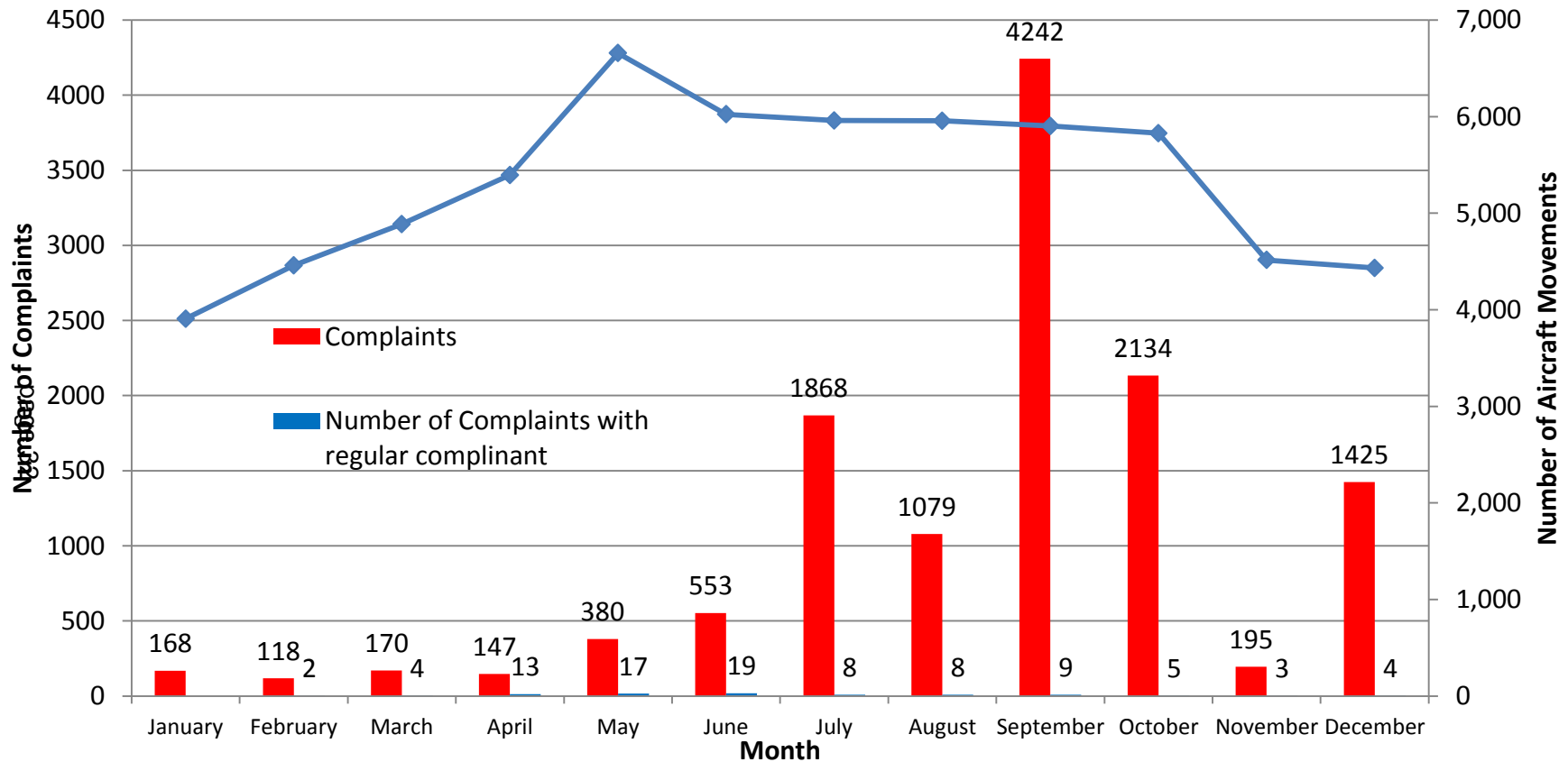
Noise Complaints



The Airport operates a Noise Complaints Management System to accurately record the nature of the noise complaint made by the local community to the Airport Company, to investigate the potential source of the complaint and to respond to the complainant. A complaint can be made by telephone, letter, email or via the Airport website.

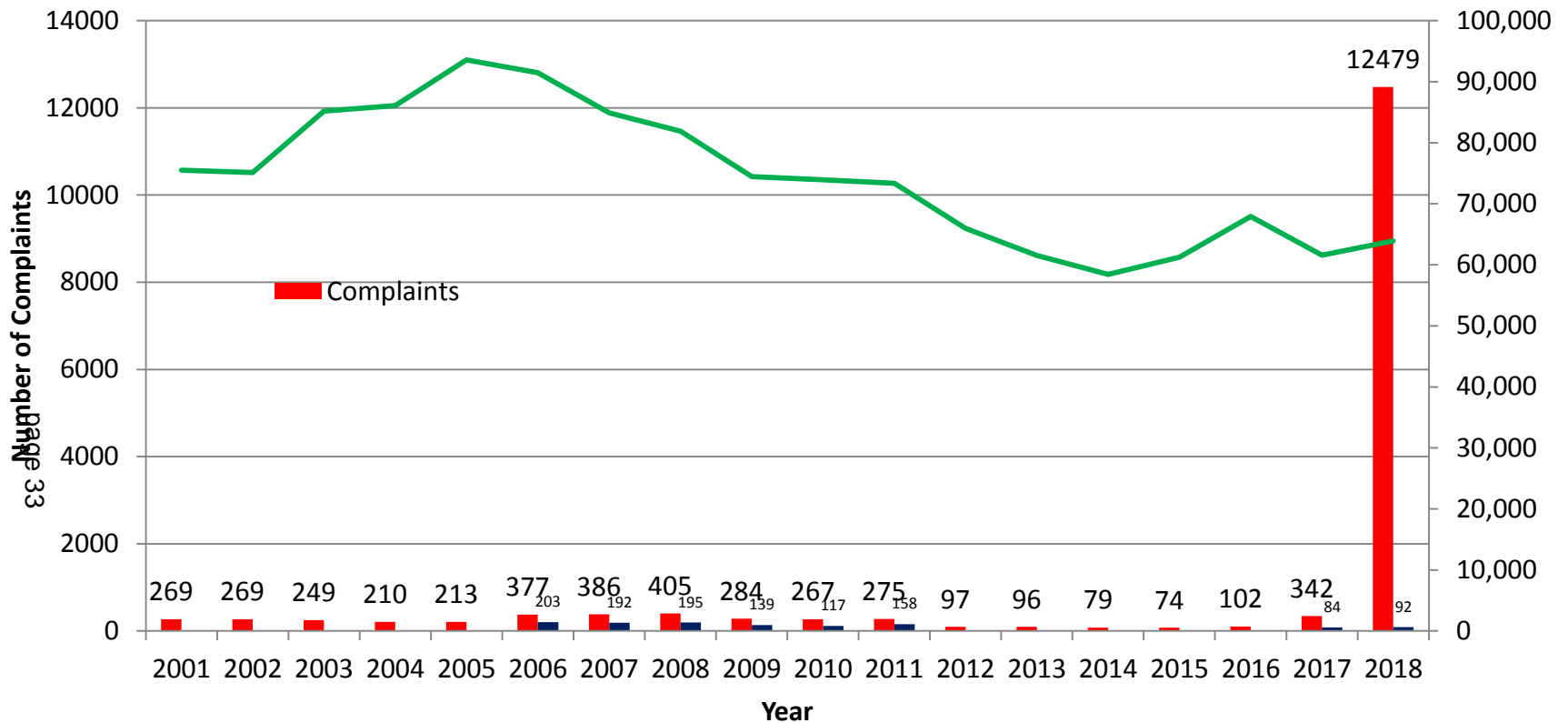
The information required from the caller includes a description of their concerns, the date, time and location of the event and their contact details. This information is used to investigate the complaint using the Noise Monitoring and Track Keeping System which coordinates Radar aircraft specific information and operational data with information from the Noise Monitoring Terminals.

Number of Complaints and Total Aircraft Movements per Month in 2018 with & without regular complainant



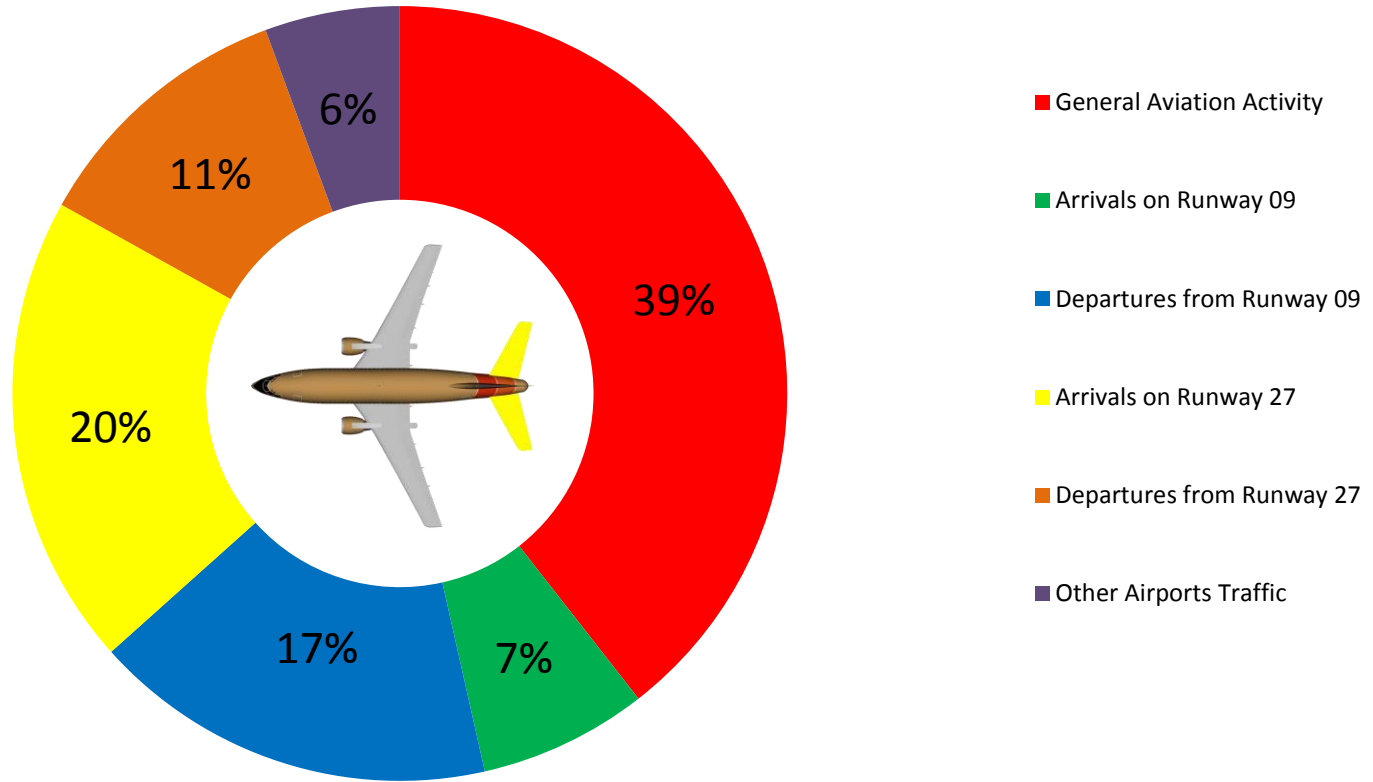
During 2018 12,387 of the 12,479 complaints were made by one individual. Generally the number of complaints increase during the summer when there are more aircraft movements but this is not always the case as in 2016 where other factors can have a bearing on the number of noise complaints and where they originate from that are received by the Airport.

Number of Complaints and Total Aircraft Movements 2001 to 2018



2018 shows a peak number of noise complaints since 2001. The absolute number of noise complaints is not a good indicator of actual noise exposure, nor should it be the determining factor in how or what steps can be taken to mitigate noise impacts.

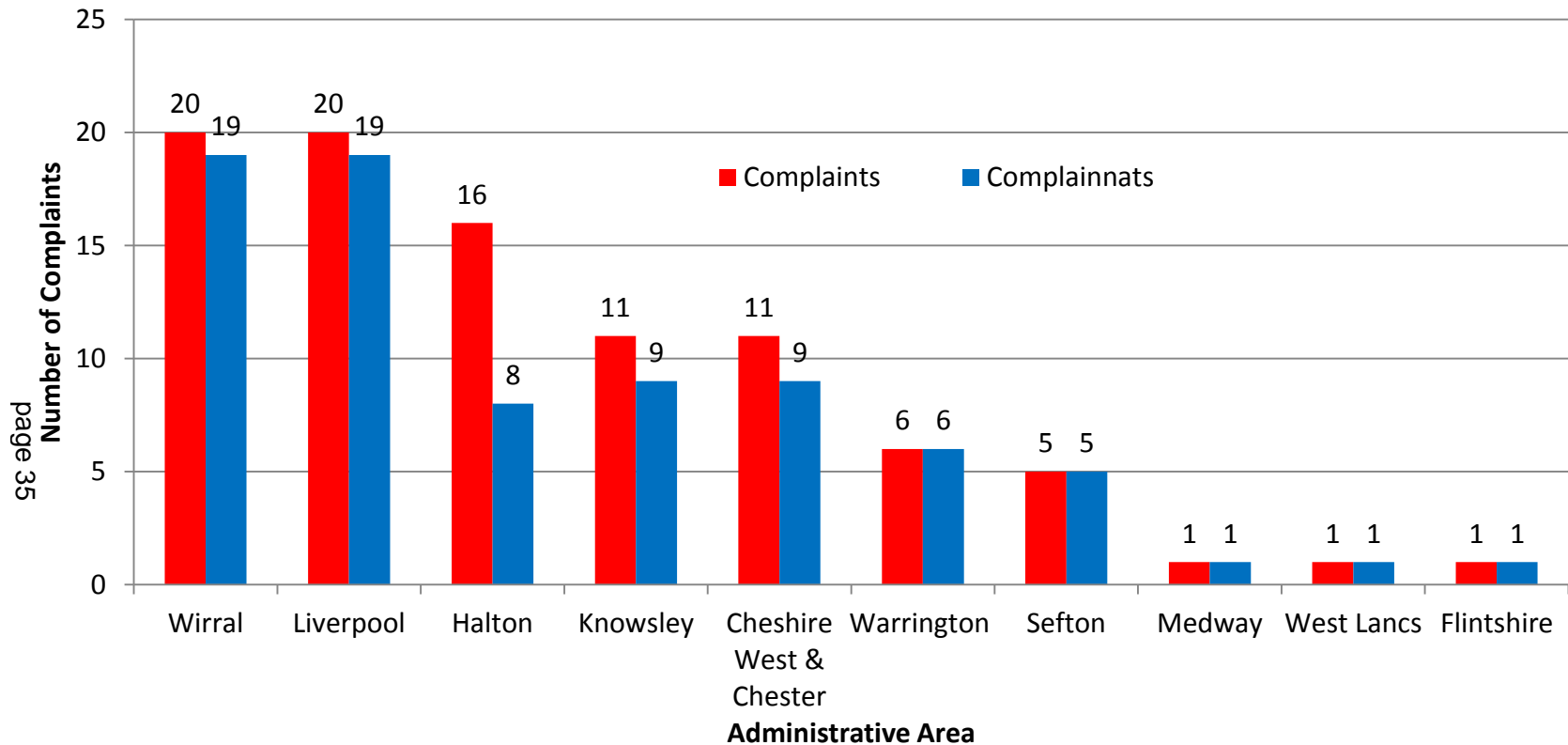
Activity which Caused Noise Complaints in 2018



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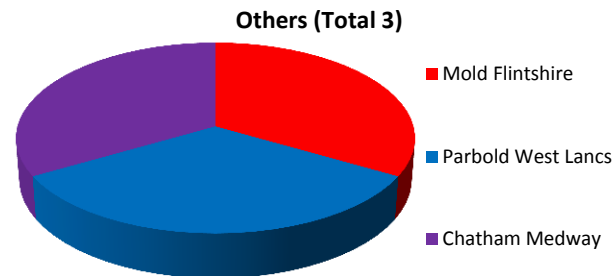
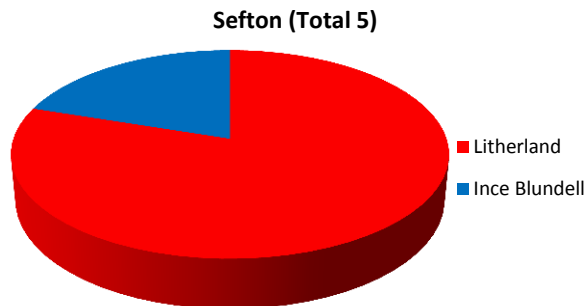
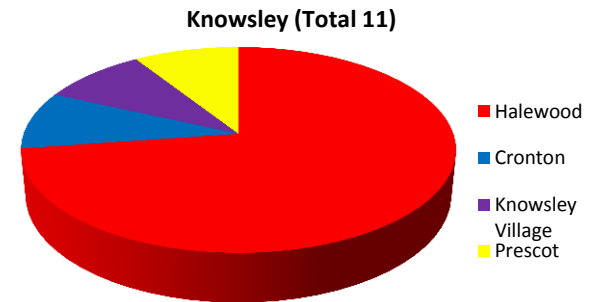
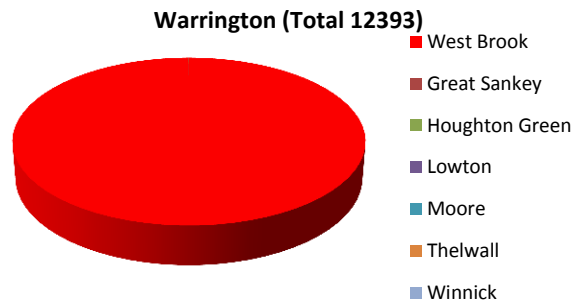
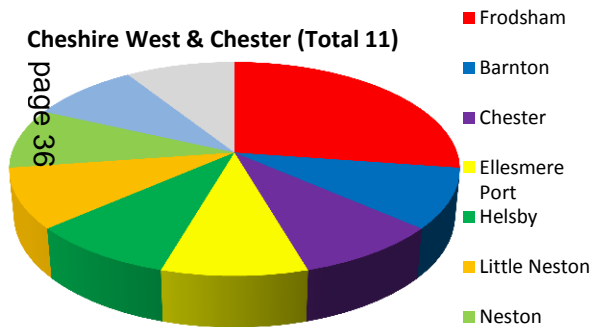
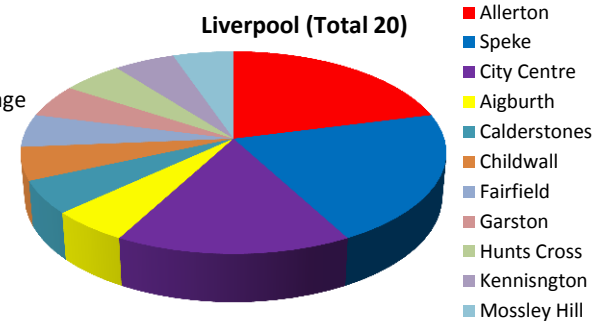
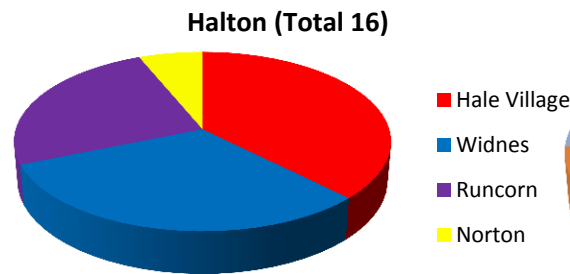
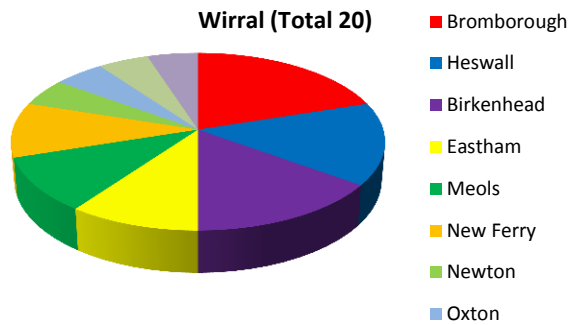
During 2018 30% of complaints were generated by aircraft arriving on runway 09 over the Wirral Peninsula. 22% of complaints were generated by arrivals on runway 27 over Warrington, Runcorn and Hale Village. 22% of complaints were generated by departures from runway 27 over the Wirral Peninsula. Just 8% of complaints made related to departures from runway 09 over Hale Village. 5% of complaints were related to the general operation of aircraft at Liverpool Airport. 8% of noise complaints were associated with aircraft movements from other airports and 5% of complaints related to situations where no aircraft activity was identified at the time of the complaint.

Number of Noise Complaints and Complainants for each Administrative Area 2018



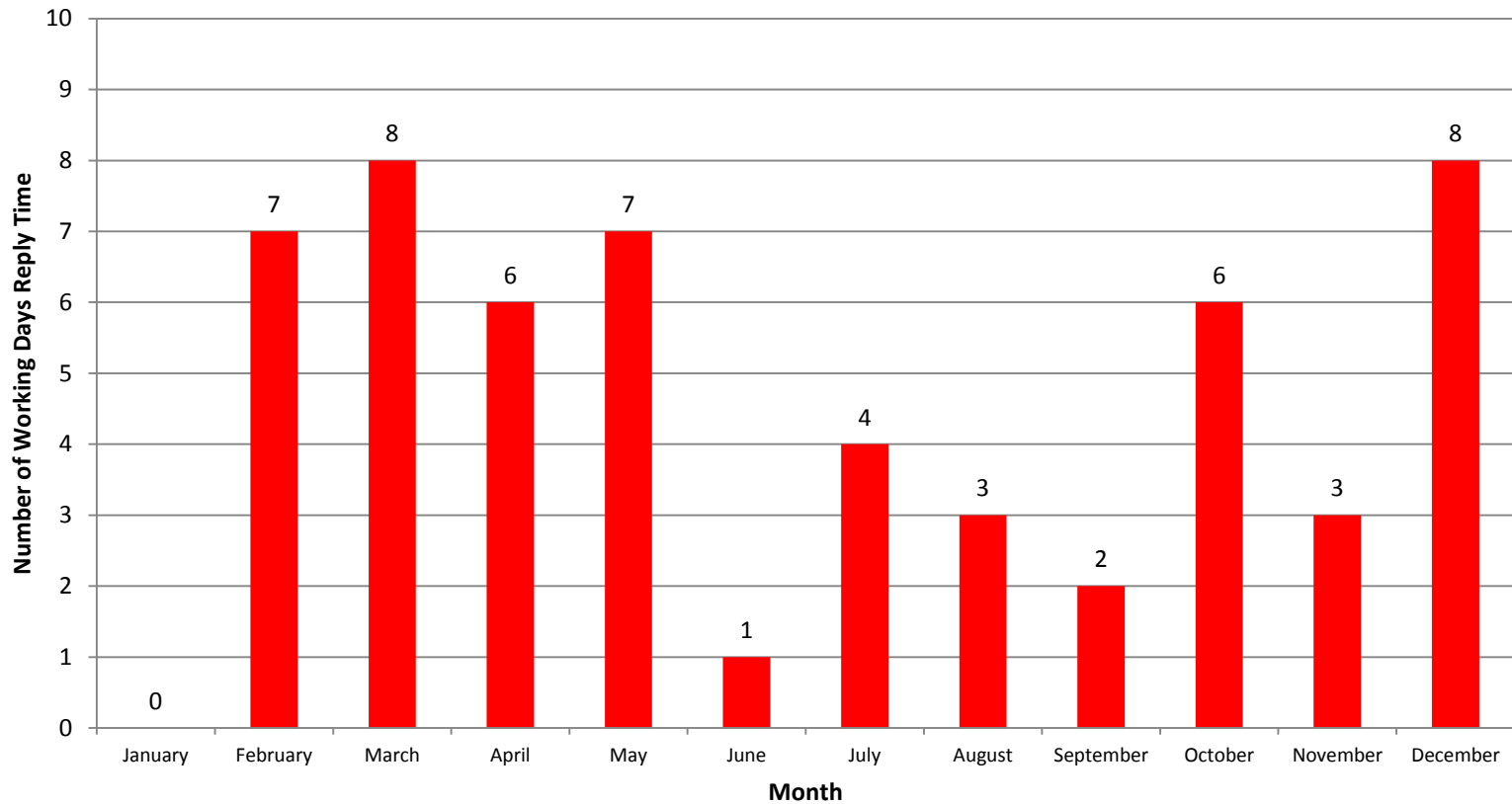
The chart illustrates the number of complaints received from each Local Authority Area and the number of complainants who made the complaints in 2018. The chart does not include a complainant in Warrington who made 12,387 complaints in 2018. Without the regular complaint 20% each of complaints were received from Liverpool & Wirral residents with 16 % coming from Halton, 11% each came from Cheshire West & Chester & Knowsley residents. Warrington had 6 %, Sefton 5%, with Flintshire, West Lancs. & Medway all having 1%.

Number of Complaints Received from each Area of the Administrative Areas in 2018



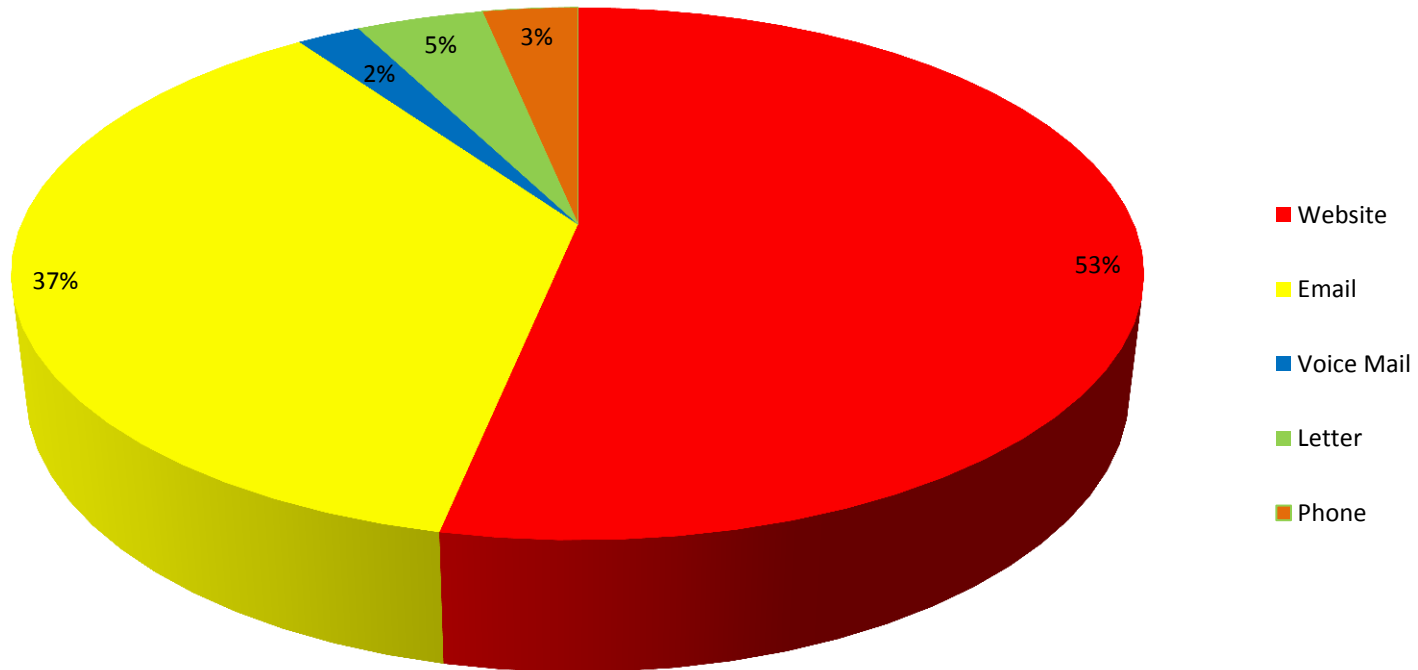
Average response time for Noise Complaints are Received by the Airport in 2018

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The Airport aims to respond to all noise complaints within 14 working days. During 2018 100% of all noise complaints were responded to within 14 working days.

Method by which the Noise Complaints are Received by the Airport in 2018



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The chart illustrates the method by which noise complaints were received as a percentage in 2018. Complaints can be made using the following options:

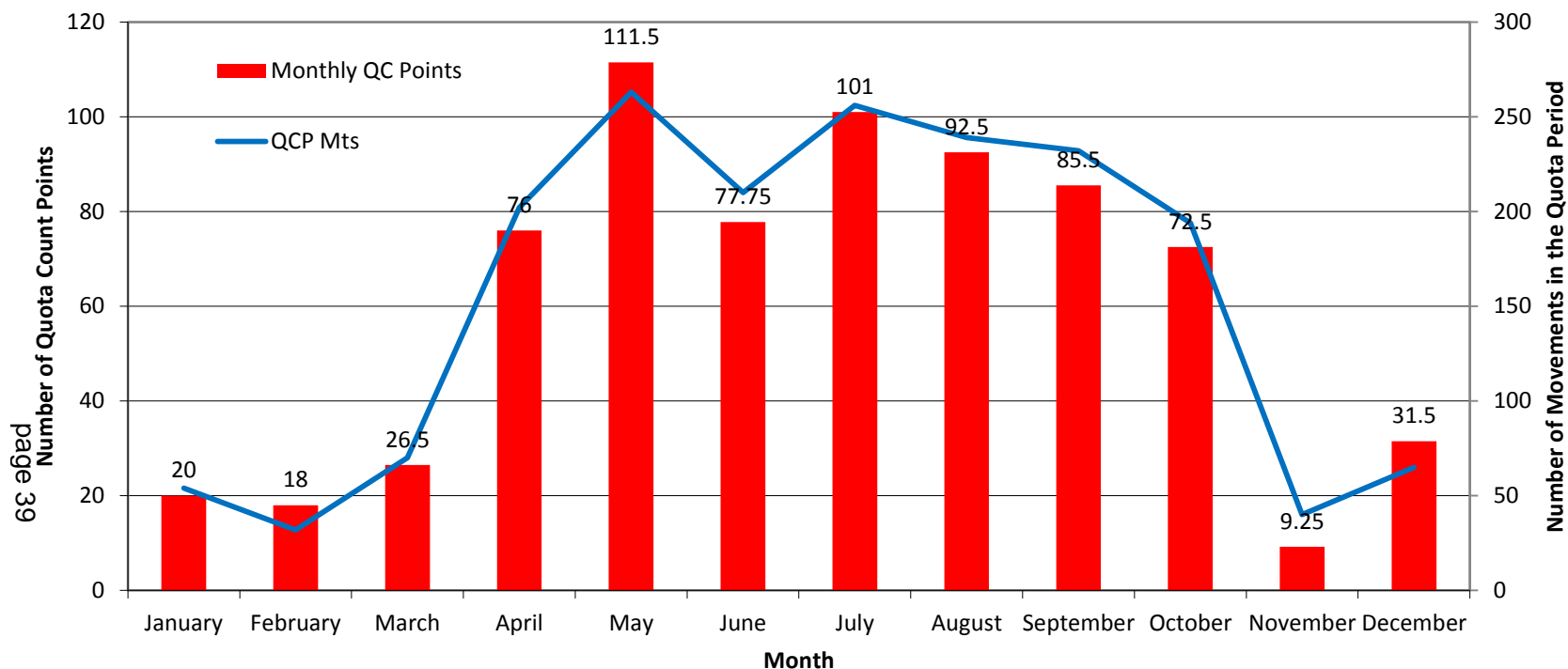
Website via: <http://www.liverpoolairport.com/about-ljla/aircraft-noise/>

Voice Mail via: 0151 907 1745

Email via: environment@liverpoolairport.com

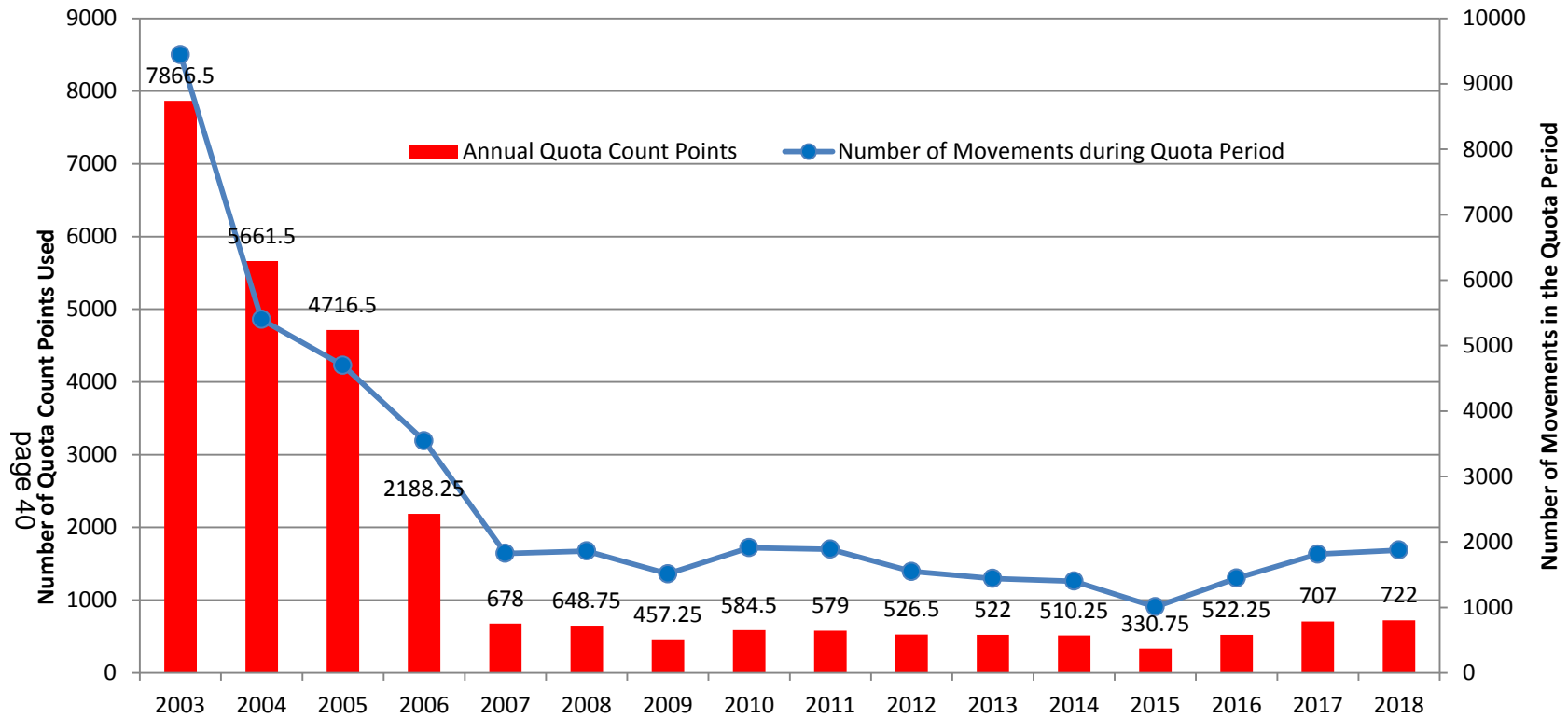
Letter via: Environment Team, Liverpool John Lennon Airport, Liverpool, L24 1YD

Quota Count Points and Quota Count Period Movements in 2018

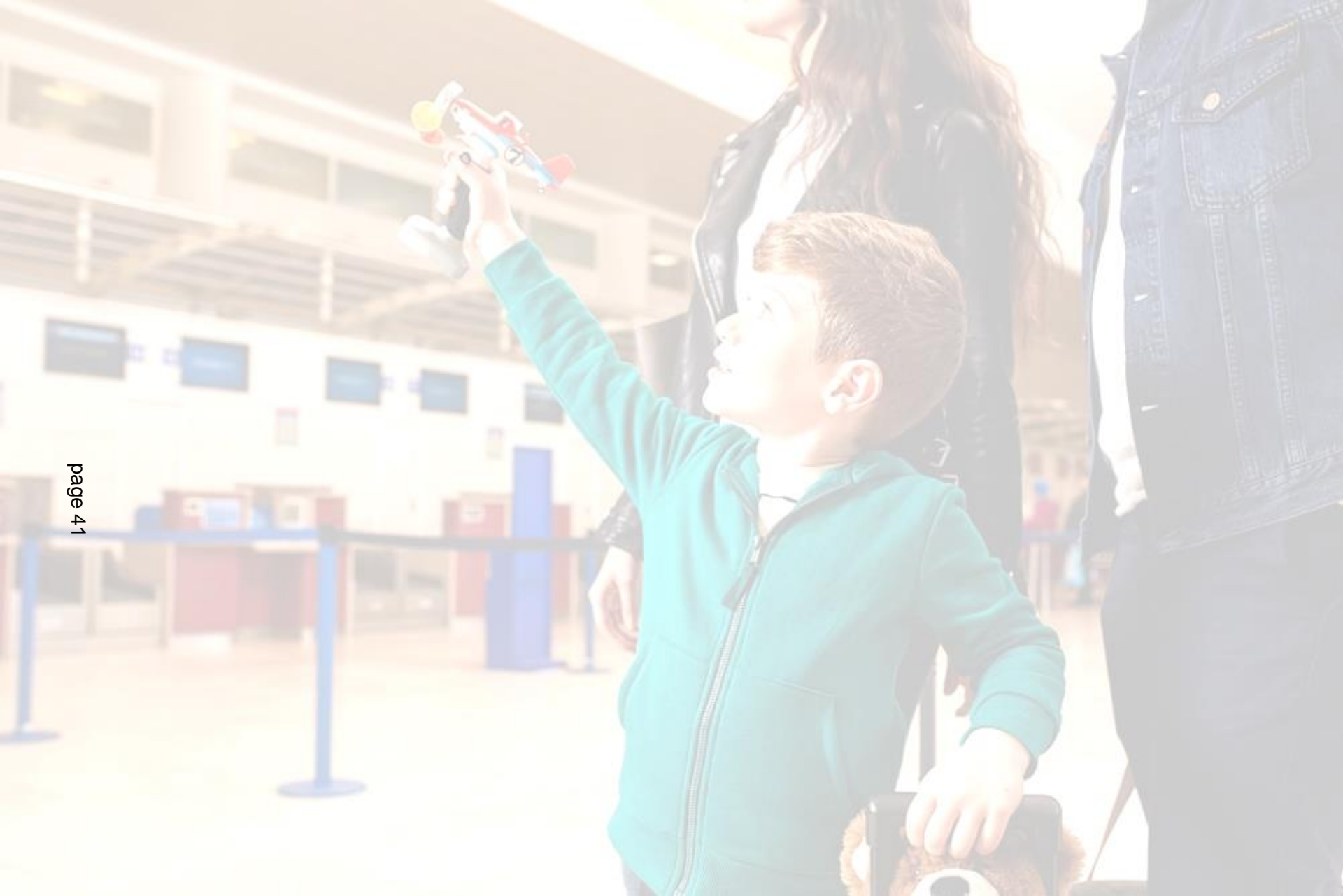


The Liverpool John Lennon Airport Quota Count Scheme is based upon the night restrictions developed by the Government for Heathrow, Gatwick and Stansted Airports. The scheme classifies aircraft according to the noise they generate during arrival and departure. The restrictions apply to a specified “noise quota” period (23:30 to 06:00 hours) during which aircraft movements are restricted by noise quota. Under the QCS, aircraft are grouped into QC bands between QC 0.125 to QC 16 from quieter modern aircraft to noisy larger aircraft respectively. Some of the very quietest types are classified as exempt and have a QC value of zero and no restriction applies.

Quota Count Points and Quota Count Period Movements in 2018



The Airport started to record Quota Count Movements in November 2002. The first full year of Quota Count Movements was 2003 which had the most use of Quota Count Points and Movements. Since 2007 the amount of Night time aircraft movements fell after the withdrawal of the night time cargo and freight operations. These operations used older nosier aircraft such as the Hawker Siddeley HS 748 and the Lockheed L-188 Electra.



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LJLA Airspace Transition Update

LJLA Airspace

Change

New CAA 1016 Process Introduced (Jan 18)

- LJLA Started Feb 18 – statement of need submission
- Modernise the Airspace - change in the means of navigation
 - Increase efficient use of the airspace
 - Increase CCO & CDO
- Stage 1 – Nov 18
- Stage 2 – June 19
- Stage 3 – Public Consultation 12 weeks (Gateway Date Jan'20 or earlier)

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Who should we consult with?

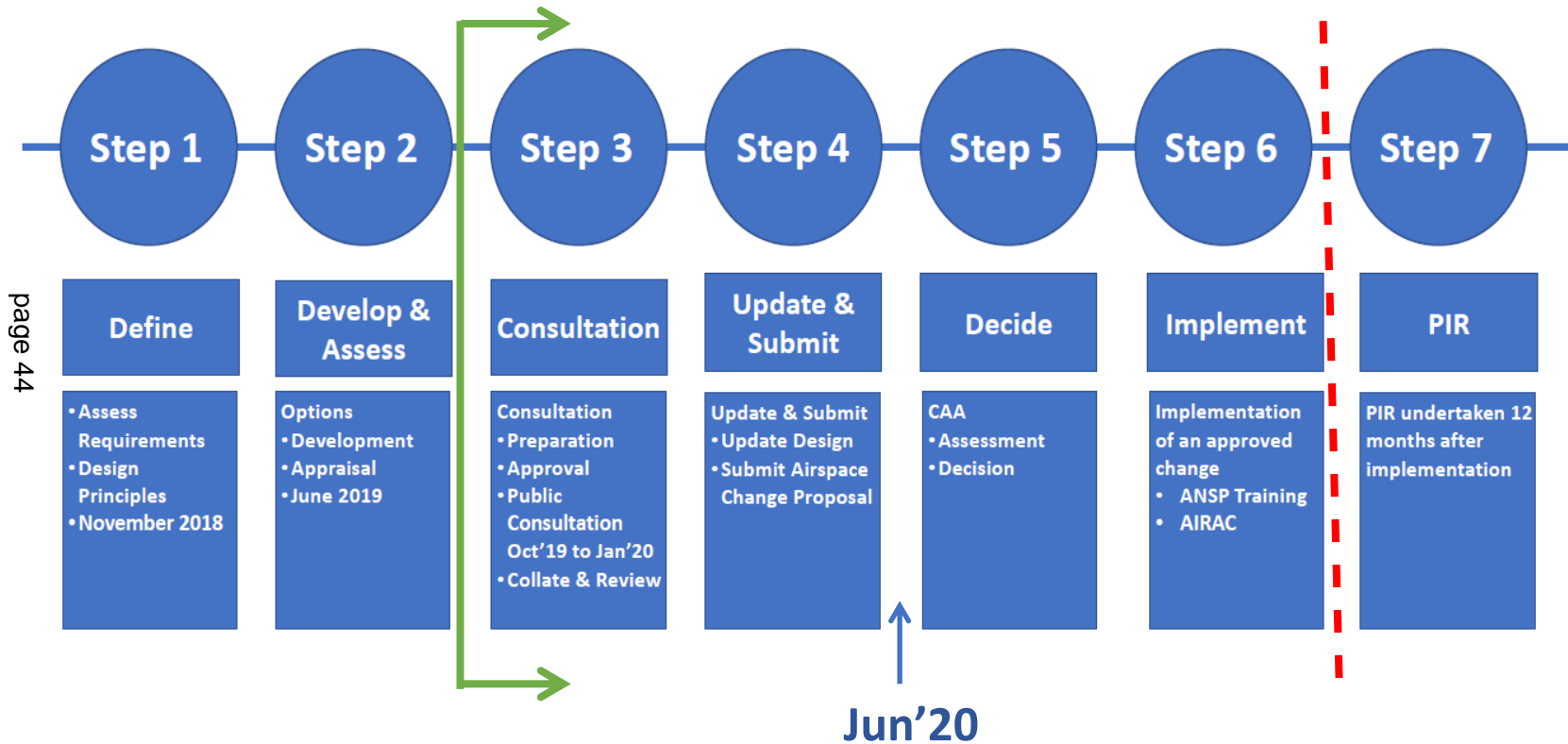
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LJLA - CAP1616

LJLA CAP1616 7-Step Schedule



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CAA Airspace Change Portal

<https://airspacechange.caa.co.uk/>

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The screenshot shows a web browser window with the URL <https://airspacechange.caa.co.uk/>. The page features the Civil Aviation Authority logo in the top right corner. A navigation menu includes links for [Home](#), [News](#), [About airspace changes](#), and [Contact the CAA](#). The main heading reads "Welcome to the CAA airspace change portal". Below this is a search section titled "Search by postcode or place name" with a text input field containing "SW1V or London" and a blue "Search" button. At the bottom of the page, there are links for [2018 Civil Aviation Authority](#), [Privacy policy](#), [Cookie policy](#), and [Freedom of information](#). The Windows taskbar at the bottom shows the time as 08:51 on 19/07/2019.

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Thank You

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