

NOISE ABATEMENT AT THE BOCA RATON AIRPORT

EDITION 1 | 2025 YEAR IN REVIEW



WORKING TOGETHER TO CREATE A QUIETER COMMUNITY

Welcome to the inaugural BRAA Noise Abatement annual newsletter! This newsletter serves as a resource to highlight the Airport's efforts to reduce the impacts of aviation-related noise on the local community through proactive noise abatement measures.

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NOISE ABATEMENT PROGRAM OVERVIEW



At the Boca Raton Airport (BCT), we're dedicated to doing our part in being good neighbors by reducing the impacts of aviation-related noise on the local community through proactive noise abatement measures. Approved by the Federal Aviation Administration (FAA), our procedures strike a balance between air traffic needs and the peace of our neighborhoods.

BCT has implemented several voluntary noise abatement procedures that pilots are encouraged to follow. These include:



Curfew Hours

Voluntary night-time curfew between 10:00 PM –7:00 AM EST to ensure residents can rest undisturbed.



Repetitive Operations

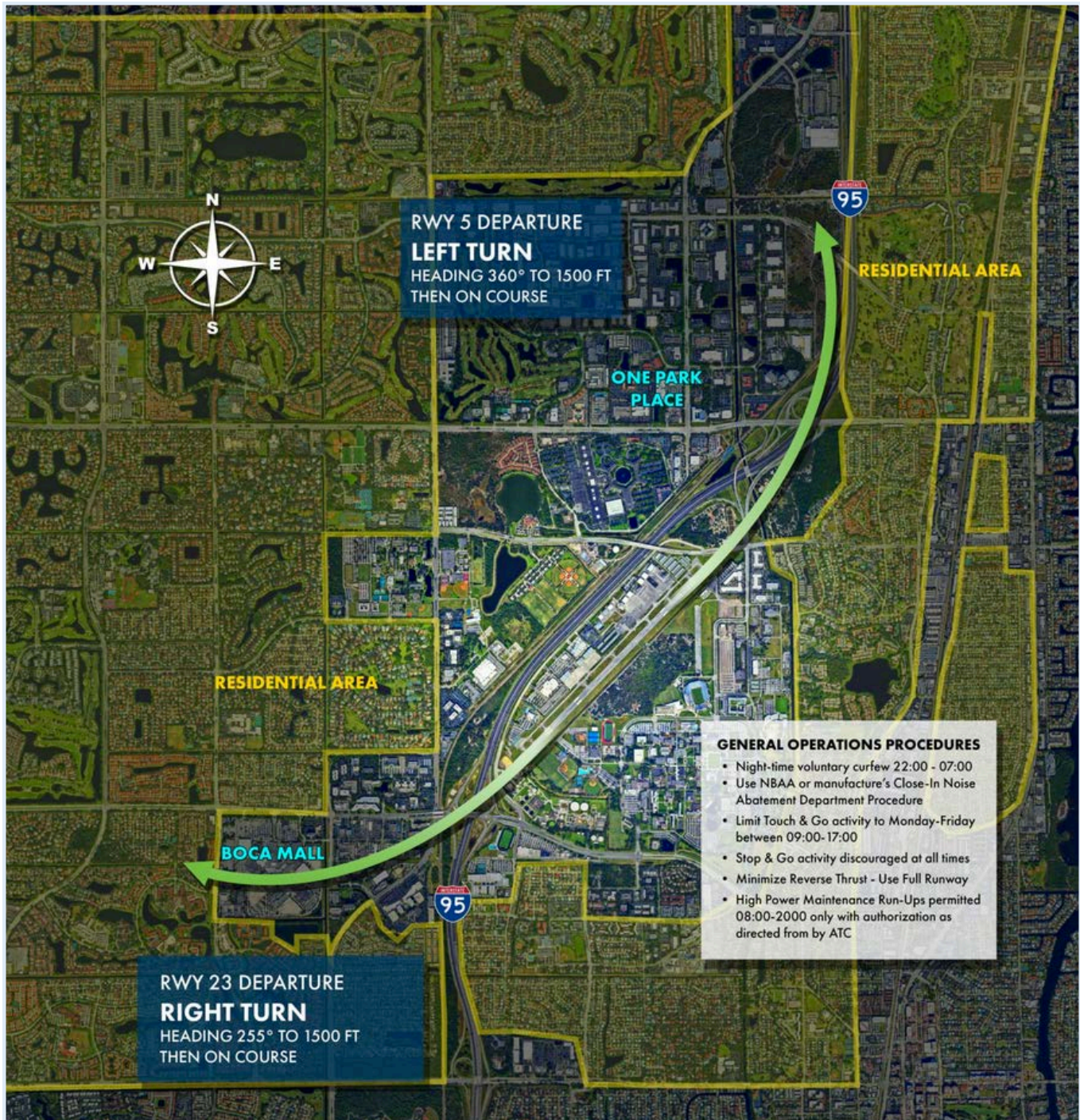
- Touch-and-go activity is discouraged between 9:00 AM and 5:00 PM EST.
- Stop-and-go activity, intersection takeoffs, and repetitive pattern work are always discouraged.



Tower Hours

Operating hours are from 7:00 AM – 11:00 PM EST, with "Class D" Airspace during tower operation.

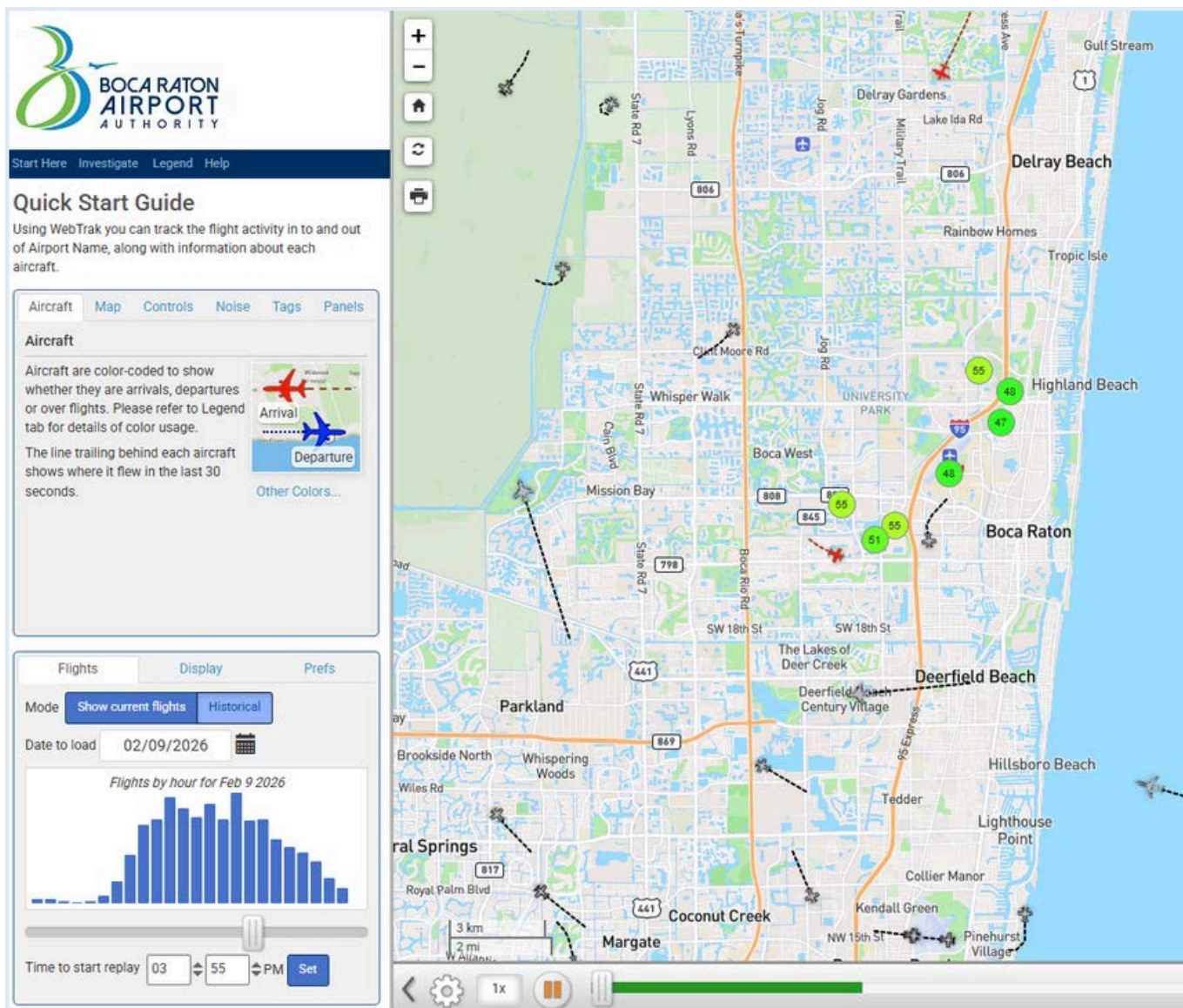
NOISE ABATEMENT PROGRAM OVERVIEW



Departure Procedures

Make a timely crosswind turn after departure from Runway 5 to minimize noise over residential areas. Straight in approaches are discouraged. View the map above for more departure details.

NOISE ABATEMENT PROGRAM OVERVIEW



Monitoring Aircraft Noise

The Boca Raton Airport Authority (BRAA) utilizes Envirosuite's flight tracking and noise monitoring system. The system is comprised of 7 community noise monitors and flight tracking software that monitors local radar and ADSB data. Other various components process, store and calculate statistical data for end users.

The system allows the Airport to get a detailed picture of what is occurring, monitor flight activity over the area, determine runway usage, identify flight tracks and altitudes, and determine any resulting noise impacts on the surrounding community. The system allows staff to directly monitor activity issues and effectively respond to community concerns.

View our flight tracking website by visiting bocaairport.com/pilots/flight-tracking



NOISE ABATEMENT PROGRAM OVERVIEW

Noise Abatement: A Shared Responsibility

Noise abatement is a collaborative effort between the BRAA, FAA, pilots, and the surrounding community.



Learn more below about everyone's role in contributing to noise abatement at the airport:



Boca Raton Airport Authority

The BRAA oversees the voluntary Noise Abatement Program, analyzes flight data, and responds to community noise concerns.



Federal Aviation Administration

The FAA has the primary role in ensuring safe and efficient use of the National Airspace System. FAA Air Traffic Control (ATC) is responsible for the movement of aircraft on the airfield and in the air. Additionally, the FAA has the sole authority to implement noise abatement operational procedures.



Pilots

Pilots have the ultimate responsibility for the safe operation of their aircraft. Although ATC assigns the flight track and altitude, the pilot still maintains the authority to make the final judgement due to safety. In general, it is up to the pilot to adhere to noise abatement procedures.



Local Residents

If you are a resident near the Boca Raton Airport, we encourage you to report all Airport-related noise concerns within your community. You can submit your noise concern over the phone, or via our online web portal.

Noise Hotline: You can call our noise hotline at **(561) 391-0296** to report your noise issue at any time. Airport staff will review your concern during regular business hours. Please be as specific as possible with your concern, as it helps in the investigation process.

Online Noise Concern Form: You can submit a concern via our online web portal at complaint-us.emsbk.com/bct4 or by scanning the QR code.

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Frequently Asked Noise Abatement Questions



What are the rules regarding how low an aircraft can fly over a residential area?

Aircraft altitude is established by Federal law. Title 14, Code of Federal Regulations Section 91.119 which governs flight states:

“Except when necessary for takeoff or landing, no person may operate an aircraft below the following altitude: Over any congested area of a city, town or settlement, or over any open-air assembly of persons, an altitude of 1,000 feet above the highest obstacle within a horizontal radius of 2,000 feet of the aircraft.”

It is important to be aware of two aspects of this regulation. First, most aircraft operating near the Boca Raton Airport are in the process of landing or taking off, thus this regulation does not apply. Second, helicopters are specifically exempted from this Federal regulation.



Why are your noise abatement procedures voluntary and not mandatory like other airports?

Federal requirements for involuntary noise mitigation programs passed by Congress in 1990 have made it very difficult for airports to impose mandatory restrictions. Airports with mandatory restrictions imposed those programs before the law went into effect.

Under current standards, in order for our noise abatement program to be a formal program, the Airport would have to demonstrate to the FAA that the voluntary program was not adequate to mitigate noise impacts in surrounding areas and therefore justify an access restriction. A recent update to the Airport's noise contours show a significant reduction in noise exposure, based on the FAA's metrics. This is largely due to the change to quieter, more modern aircraft. Therefore, it is highly unlikely that the FAA would approve any mandatory measures at Boca Raton Airport.

BCT has answered several noise abatement questions on our website, learn more by visiting bocaairport.com/frequently-asked-questions

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YEAR HIGHLIGHTS



Noise Exposure Map Update

The Boca Raton Airport Authority completed its draft Noise Exposure Map (NEM) update in Fall 2025. The draft NEM update included updating all Airport noise contours, noise exposure maps, and submission to the FAA. The last FAA-accepted Noise Exposure Map was completed in 2001 and the last updated noise contours were completed in 2017. As the general aviation fleet mix changes and traffic levels fluctuate it is important to periodically update the NEM in order to accurately and effectively respond to noise concerns from the surrounding community.

The NEM update process involved establishing a Noise Technical Advisory Committee (NTAC). The committee included homeowners, HOA's, pilots, airport tenants, and City of Boca Raton officials. The NTAC committee met to discuss the assumptions and inputs related to the NEM Update, while also gathering feedback from community representatives and members.

Extensive study and public outreach were conducted as part of the NEM update. The BRAA held two public meetings and three NTAC meetings over the course of the NEM Update. The public had the opportunity to participate in each meeting and provide comments. Additionally, the BRAA accepted public comments on the draft NEM and accompanying report through November 6, 2025. Members of the public were encouraged to share their feedback by email or mail.



Pending FAA Review

The draft NEM update has been submitted to the FAA for their evaluation and acceptance. The FAA will review the methodology and process for determining the updated contours and ensure compliance with Part 150 regulations in terms of completing an NEM update.

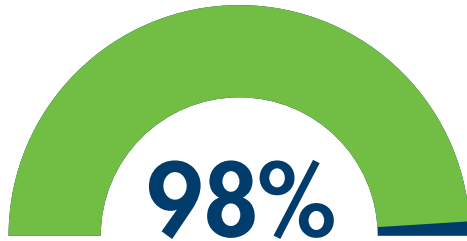


READ THE DRAFT NEM UPDATE AT BOCAAIRPORT.COM/NOISE-EXPOSURE-MAP-UPDATE

YEAR HIGHLIGHTS

Noise Abatement By the Numbers

Noise Abatement Program Compliance



**CURFEW COMPLIANT
OPERATIONS**

Only 2% of all annual operations were performed during the airports curfew. Voluntary curfew hours are 10:00 PM –7:00 AM EST.



85,203

Total Operations



2,114

Curfew Operations

Noise Abatement Public Outreach



2

Noise Abatement Public Meetings



2

Noise Abatement Pilot Meetings

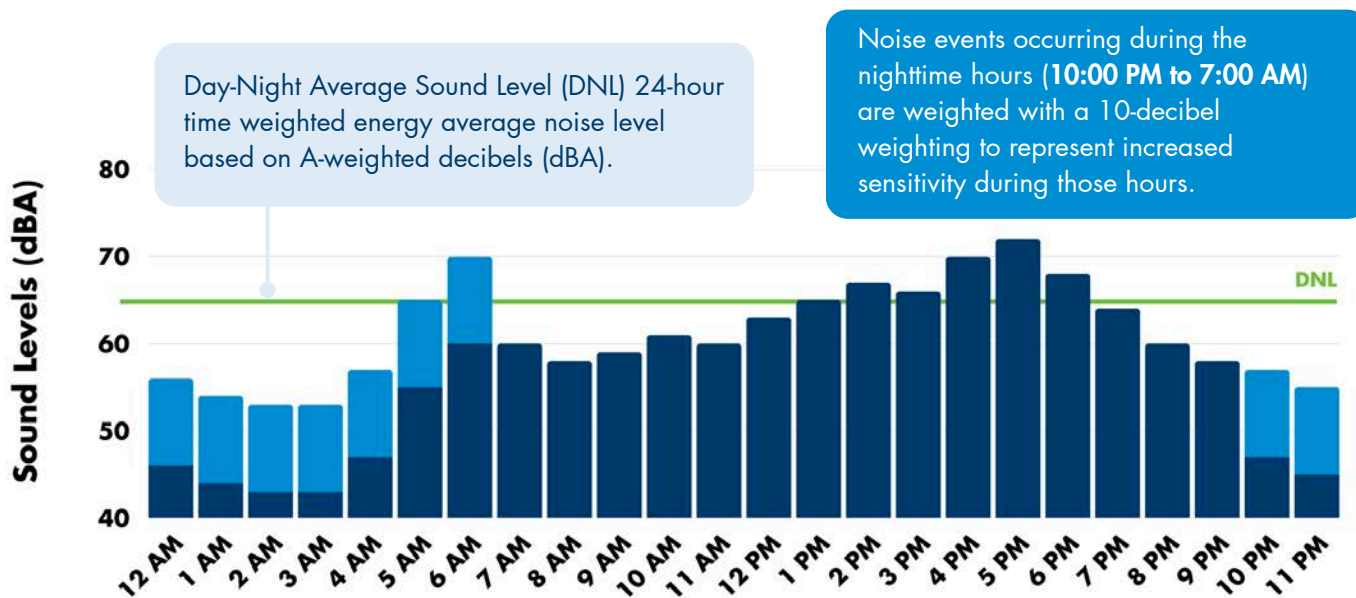
Noise Abatement By the Numbers

Aircraft Activity Baseline and Forecast

Year	ITINERANT OPERATIONS				LOCAL OPERATIONS			Total Airport
	Air Taxi	General Aviation	Military	Total	General Aviation	Military	Total	
Existing Conditions 2025	16,088	42,870	151	59,109	26,171	275	26,446	85,555
Future Conditions 2030	19,177	47,311	151	66,639	30,360	275	30,635	97,274
Compound Annual Growth Rate	3.0%	1.7%	0.0	2.0%	2.5%	0.0%	2.5%	2.2%

SOURCES: US Department of Transportation, Federal Aviation Administration, Operations Network, April 2025 (historical operations); Ricondo & Associates, Inc., April 2025 (forecast).

Day-Night Average Sound Level (DNL) Metric

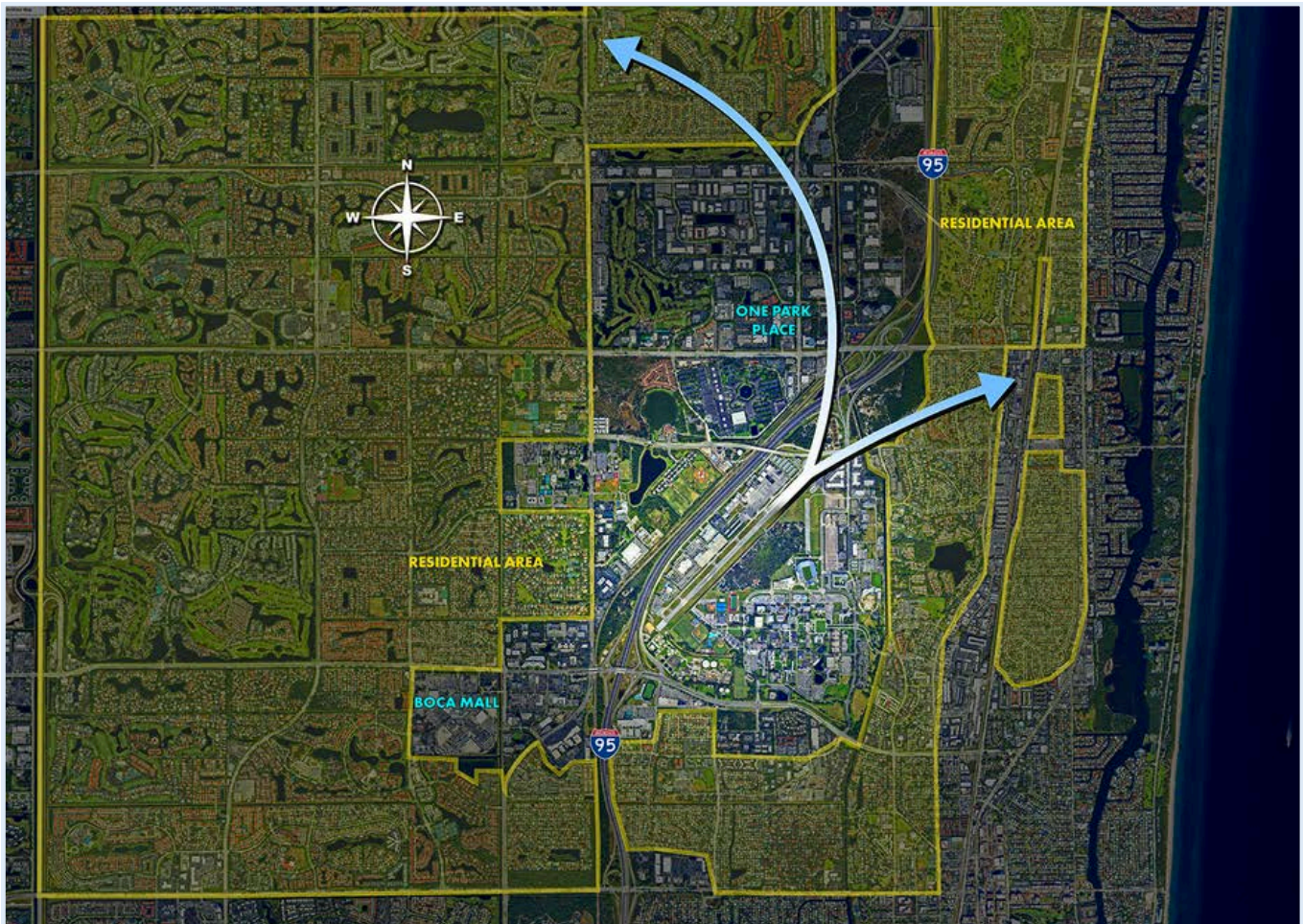


DNL is calculated based on an “annual average day” (AAD) derived from aircraft operations data for an entire calendar year.



FAA requires use of the annual Day-Night Average Sound Level (DNL) noise metric.

TEMPORARY FLIGHT RESTRICTIONS



Presidential Notices

In 2024, the BRAA was made aware by the FAA that Temporary Flight Restrictions (TFRs) would be occurring during presidential visits to the Palm Beach area. During these TFRs, the departure paths for airplanes flying out of BCT are changed. BCT is located within the outer 30-nautical-mile (NM) TFR ring and in close proximity to the inner 10-NM restricted area. Aircraft are required to avoid the 10-NM ring, which has resulted in traffic being rerouted around the restricted airspace and diverted to alternate airports, including Boca Raton. View the map as a reference for TFR flight paths.

As a result, a temporary increase in business jet activity is anticipated during TFRs. These adjustments may result in flight activity over communities that do not typically experience higher levels of aircraft traffic.



If you have any questions, please contact Airport Management at 561-391-2202.

TEMPORARY FLIGHT RESTRICTIONS



TEMPORARY FLIGHT RESTRICTION (TFR) NOTICE

IN EFFECT FEBRUARY 13-16

During this period, some aircraft that would normally operate into Palm Beach International Airport may instead choose to fly into surrounding airports, including the Boca Raton Airport.

As a result, a temporary increase in business jet activity is anticipated during the affected dates. In addition, aircraft flight paths will be adjusted by the Federal Aviation Administration during these TFRs to ensure aircraft avoid the restricted airspace, and some communities that do not typically experience overflights may notice increased activity.

If you have any questions, please contact Airport Management at 561-391-2202.

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bocaairport A Temporary Flight Restriction (TFR) will be in effect from February 13th to 16th. During this time, some aircraft may divert from Palm Beach International Airport to nearby airports, including Boca Raton, resulting in a temporary increase in business jet activity. The FAA will adjust flight paths, potentially leading to increased overflights in some communities.

11 likes
February 12

Add a comment... Post

Stay Informed

Follow the BRAA social media accounts to get the latest information on the upcoming presidential TFRs. We recommend to check for updates regularly, as flight paths and restrictions may change with little notice due to varying circumstances.

- @BocaAirport
- @AirportBoca
- boca-raton-airport-authority
- @BocaRatonAirport6358
-



RESOURCES

Noise Abatement Homepage: Learn more about the Boca Raton Airport's Noise Abatement program at bocaairport.com/noise-abatement

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Online Noise Concern Form: You can submit a concern via our online web portal at complaint-us.emsbk.com/bct4

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Procedure Plan for Pilots: Learn the noise abatement measures for pilots at bocaairport.com/noise-abatement/procedures-for-pilots

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Flight Tracking Keep track of flights into, out of, and over the Boca Raton Airport, with the WebTrak Flight Tracking System from Envirosuite at webtrak.emsbk.com/bct

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WORKING TOGETHER TO CREATE A QUIETER COMMUNITY

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