



# Anoka County-Blaine Airport ADVISORY COMMISSION

ACBAAC

## ACBAAC MEETING DATE AND TIME:

November 6, 2024 at 4 p.m.

## In-Person Meeting Location: Atlantic Aviation ANE

9877 N Airport Rd NE, Blaine, MN 55449

## Remote participation through TEAMS:

[Click here to join the meeting](#)

Meeting ID: 286 768 640 005 Passcode: Eok4o8

By phone [612-405-6798](tel:612-405-6798) ID: [422686513#](tel:422686513#)

## AGENDA

1. Introductions
2. **Approval of Meeting Minutes: April 10, 2024 ~Action**
3. Public Comment\* – (up to 3-min. each speaker)
4. **Airport User Co-Chair Election ~Action**
5. Airport User Spotlight: Atlantic Aviation
6. Aircraft Operations & Noise Complaints Summary Q3 2024
7. Fly Neighborly Update
8. Airport Manager Update:
  - Long-term Plan Schedule Update
  - MAC Properties Overview
  - Perimeter Road Update
  - Airport Construction Summary
9. Member Remarks and Feedback (2 min.)
10. 2025 Meeting Schedule
  - Jan/Feb? Jun/Jul? Oct/Nov?
11. Adjourn

*Unless otherwise noted, agenda topics are presented as information only.*

*\* For assistance with meeting accommodations, please contact:*

*Jennifer Lewis, MAC Community Relations Coordinator, [jennifer.lewis@mspmac.org](mailto:jennifer.lewis@mspmac.org) or 612-725-6327*

**8891 Airport Road, Box C-1, Blaine, MN 55449**

Phil Tiedeman, MAC Airport Manager • [philip.tiedeman@mspmac.org](mailto:philip.tiedeman@mspmac.org) • 763-717-0001





**ANOKA COUNTY- BLAINE AIRPORT ADVISORY COMMISSION**  
(ACBAAC)

**METROPOLITAN AIRPORTS COMMISSION**  
**ANOKA COUNTY – BLAINE AIRPORT ADVISORY COMMISSION**  
**DRAFT MEETING MINUTES**

Wednesday, April 10, 2024, 4:00 p.m.  
Atlantic Aviation ANE  
9877 N Airport Rd, NE, Blaine, MN 55449

---

The meeting started at 4:06 p.m. In attendance were:

**Representatives:** C. Daml, Northstar Flyers; K. Devries, Lexington; S. Erkel, East Bethel; S. Gunn, Mounds View; T. Newland, Blaine; M. Percy, City of Circle Pines; D. Quimby, Lino Lakes; S. Reed, Atlantic Aviation; J. Reinert, Anoka County; T. Ryan, Blaine; K. Sislo, EAA Chapter 237. G. Krantz, North Central Aviation and M. Lawrence, Anoka County Aviation Association, participated virtually.

**MAC Staff:** J. Lewis, Community Relations Coordinator, C. Metcalfe, Assistant Manager – Community Relations, P. Tiedemann, Manager - Anoka County-Blaine Airport, K. Verdeja, Recording Secretary

**Others:** K. Watson, University Avenue ACES; J. Krack, Reliever Airports Advisory Committee; S. Schultz, C. Gardner, Metropolitan Council participated virtually.

**1. Introductions**

**Chair Erkel** called the meeting to order at 4:06 pm. She asked all attendees to introduce themselves briefly. There were 21 participants.

A quorum of three User Representatives and three Community Representatives was established.

**Public Representatives:** K. Devries, S. Erkel, S. Gunn, T. Newland, M. Percy, J. Reinert, T. Ryan, D. Quimby

**User Representatives:** C. Daml, G. Krantz, M. Lawrence, S. Reed, K. Sislo

**2. Approval of Meeting Minutes: October 11, 2023**

**Chair Erkel** opened the item for discussion, approving the October 11, 2023 meeting minutes.

**Representative Devries moved and Representative Daml seconded to:**

**Accept the October 11, 2023 meeting minutes as presented.**

**The motion passed by unanimous vote.**

**3. Public Comment**

There were no comments from the public.

**4. Nominations and Elections of Airport User Chair**

**Chair Erkel** opened the item to nominations and discussion for the Airport User Chair. Jennifer Lewis, Technical Advisor, explained the duties and responsibilities of the position. There were no nominations for the role.

**Representative Percy moved and Representative Devries seconded to:  
Table the Election of the User Chair to a future meeting.  
The motion carried by unanimous vote.**

**5. Nominations and Elections of Community Chair**

**Chair Erkel** opened the item to nominations and discussion for the Community Chair. **Representative Erkel** was the only nominee for this position.

**Representative Devries moved and Representative Percy seconded to:  
Elect Representative Erkel as the Community Chair  
The motion carried by unanimous vote of the Community Representatives.**

**6. Bylaws Update**

**Jennifer Lewis, Technical Advisor**, explained that there were a few recommended changes to the bylaws that pertained to Article III: Membership to reflect all memberships start on January 1 of even numbered years and the term is for two years. Successors may fill vacancies for the remainder of an existing term.

Another change was explained for Article V: Co-Chairpersons that clarified Co-Chairs will have authority to set agendas, may set time limits for discussions, and may form subcommittees.

The last change being proposed was to correct a typo in Article VI: Rules of Order because "constuency's" was misspelled.

**Representative Percy moved and Representative Ryan seconded to:  
Accept the recommended changes to the Anoka County-Blaine Airport Advisory Commission By-Laws.  
The motion passed by unanimous vote**

**7. 2024-2025 Work Plan Approval**

**Jennifer Lewis, Technical Advisor**, introduced the topic of the 2024-2025 Work Plan and went over the proposed Work Plan for the Commission for 2024-2025. Chair Erkel asked that information be provided during meetings to share details about events as well as information about roadway changes or updates and developments in the area of the airport.

**After some discussion, Representative Gunn moved and Representative Sislo seconded to:  
Accept the Anoka County-Blaine Airport Advisory Commission Work Plan as drafted.  
The motion carried by unanimous vote.**

## 8. Airport User Spotlight:

**Philip Tiedeman, Manager—Anoka County—Blaine Airport**, introduced **Kate Watson, Curriculum Education Coordinator, University Avenue Elementary School**. **Ms. Watson** explained the school's location and reviewed some background information. The school is a STEM (Science, Technology, Engineering, and Math) Magnet School and an aerospace school. **Ms. Watson** gave a brief overview of the grade-level curriculum, which focuses on aerospace.

Representative Percy commented on the wonderful options highlighted by Ms. Watson. Representative Ryan shared some insights on the school. Representative Gunn recognized a woman pilot.

## 9. Aircraft Operations and Noise Complaints Summary Q1 2024:

### 1<sup>st</sup> Quarter 2024

**Jennifer Lewis, Technical Advisor**, explained the Metropolitan Airports Commission Noise and Operation System ([MACNOMS](#)) tool, its updates, and how the operations were tracked. **Ms. Lewis** also explained that more detail about complaints and operations is available at [www.macnoise.com/tools-reports/interactive-reports](http://www.macnoise.com/tools-reports/interactive-reports)

**Ms. Lewis** stated there were 303 noise complaints from 134 locations and 111 nighttime complaints from 8 nighttime locations at Anoka County–Blaine Airport (ANE). **Ms. Lewis** explained most complaints were regarding piston aircraft.

**Mr. Tiedeman** explained that during the quarter, there were 14,251 operations, of which 557 were nighttime operations, were recorded for Anoka County-Blaine Airport. He also reviewed the Q1 ANE Operations History.

**Representative Reinert** noted that the increase in complaints does not match the increase in operations. There was more discussion about the fluctuation in complaints throughout the calendar year and the most common interactions with people calling about noise at ANE.

## 10. Airport Manager Update

**Philip Tiedeman, Manager of Anoka County—Blaine Airport (ANE)**, gave an update on the Long-Term Comprehensive Plan. He noted that Eric Gilles, MAC's Airport Planner, intends to begin the long-term planning process for ANE toward the end of 2024 by selecting a consultant and scoping the project in Q1 2025, then kick off in Q2.

**Mr. Tiedeman** announced that the Metropolitan Airports Commission (MAC) is celebrating 80 years of existence as an airport. He gave an update on development and planning efforts, which include reconstructing Service Road, building an Equipment Storage Building, Replacing and upgrading tower equipment, replacing and improving fencing, and coordinating with MnDOT on their Automated Weather Observation Station (AWOS) replacement project.

## 11. ACBAAC Events

**Mr. Tiedeman** noted ways to support our tenants and community with events all around the system: Father's Day Open House at Crystal Airport (MIC), Pan-O-Prog at Airlake Airport (LVN), Girls in Aviation Day at Flying Cloud Airport (FCM), 3M Open at ANE, GMAG at the Buffalo Airport, and educational and learning opportunities for grade school kids all the way up through college, and helping Girl Scouts earn badges. He noted the numerous opportunities to get children and community members involved with aviation. Representative Sislo explained that they are hosting a pancake breakfast in June.

**Mr. Tiedeman** mentioned that more general aviation information can be found online at [Our Airports | Metropolitan Airports Commission \(metroairports.org\)](https://www.metroairports.org)

12. **Member Remarks and Feedback**

**Chair Erkel** opened the floor to ideas and suggestions. There were no comments.

13. **Set 2024 Meeting Dates**

**Chair Erkel** led a discussion regarding the next meeting, which will be held on Wednesday, November 13, 2024, at 4:00 p.m. The location will be determined later. Chair Erkel recommended to the community members that the links for the ANE meetings and the other links discussed during the meetings be added to their respective websites to promote community participation.

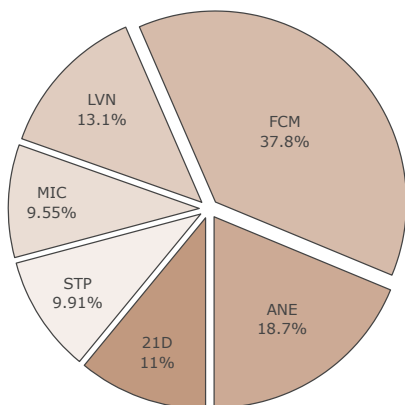
The meeting was adjourned at 5:15 pm.

DRAFT

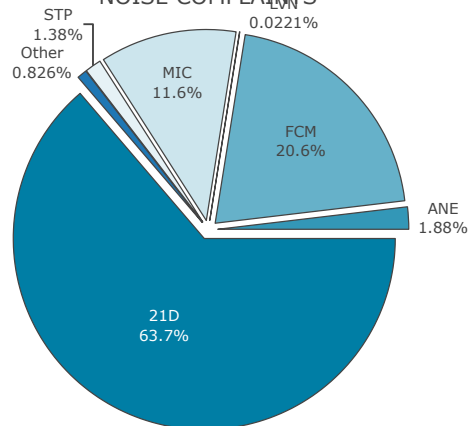
# Metropolitan Airports Commission (MAC) Reliever Airport Operations and Noise Complaint Report



AIRCRAFT OPERATIONS



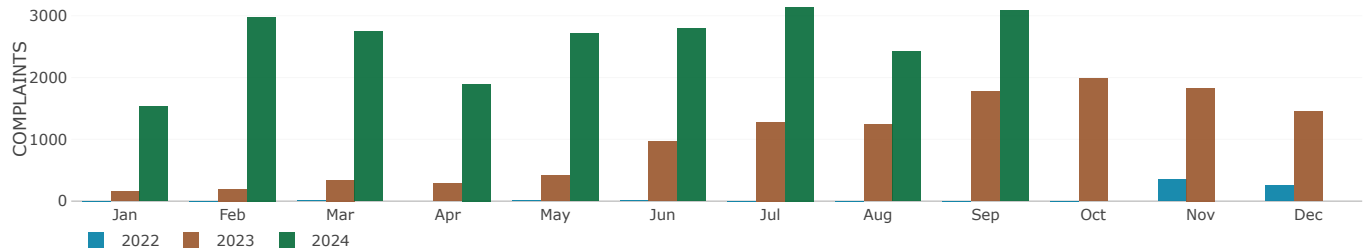
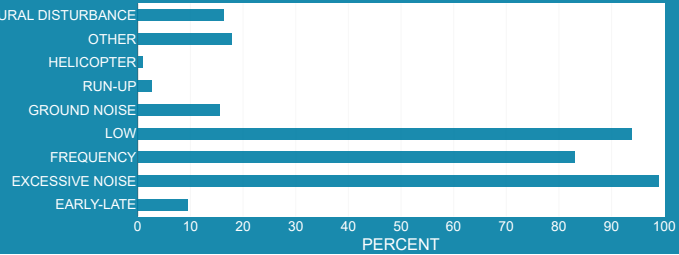
NOISE COMPLAINTS



COMPLAINTS

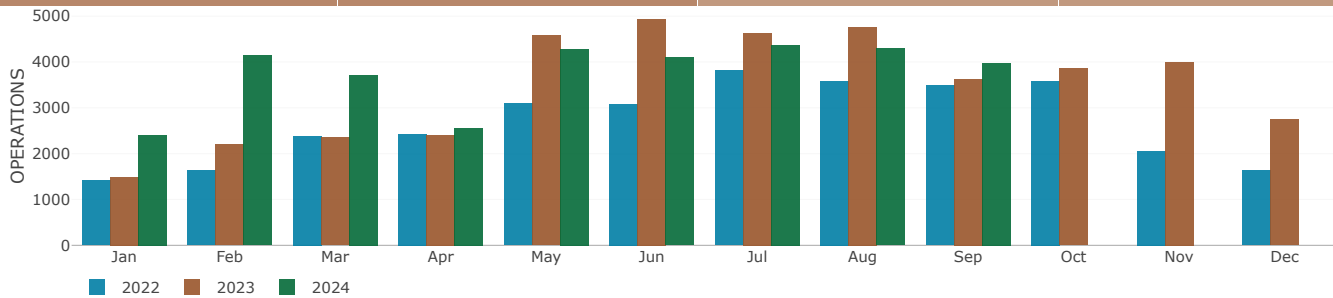
<b>2024</b>	<b>8,646</b> COMPLAINTS	<b>16</b> LOCATIONS	<b>292</b> NIGHTTIME COMPLAINTS	<b>8</b> NIGHTTIME HOUSEHOLDS
<b>2023</b>	<b>4,291</b> COMPLAINTS	<b>16</b> LOCATIONS	<b>80</b> NIGHTTIME COMPLAINTS	<b>9</b> NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



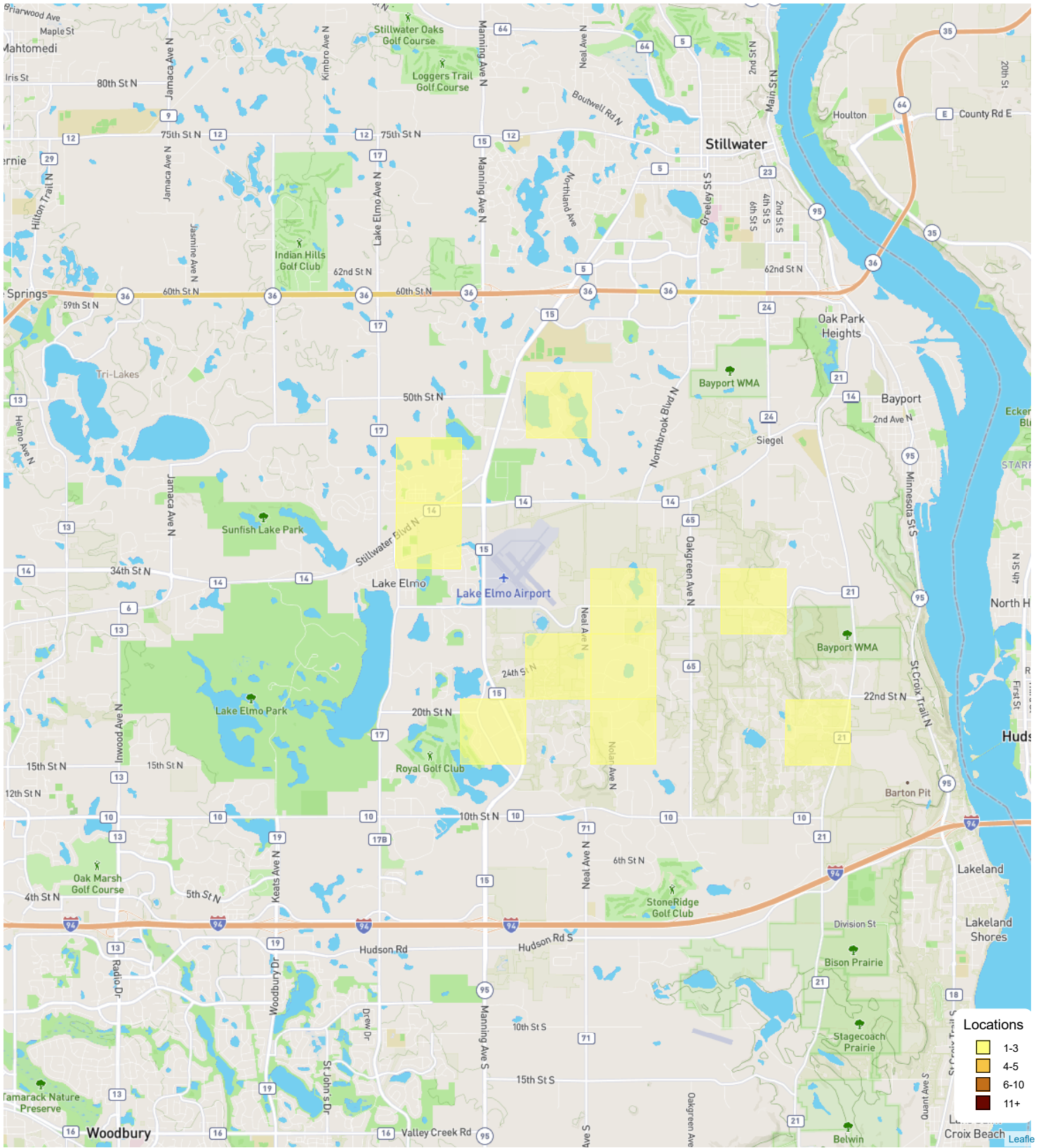
OPERATIONS

<b>2024</b>		<b>2023</b>	
<b>12,657</b> OPERATIONS	<b>221</b> NIGHTTIME OPERATIONS	<b>13,031</b> OPERATIONS	<b>253</b> NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	0	0.0 %	38	0.4 %
HELICOPTER	267	2.1 %	57	0.7 %
NOT-CORRELATED	0	0.0 %	2	0.0 %
PISTON	12,062	95.3 %	8,420	97.4 %
TURBO-PROP	66	0.5 %	53	0.6 %
UNKNOWN	262	2.1 %	76	0.9 %
RUN-UP	0	0.0 %	0	0.0 %

# Lake Elmo Airport (21D) - COMPLAINTS HEATMAP

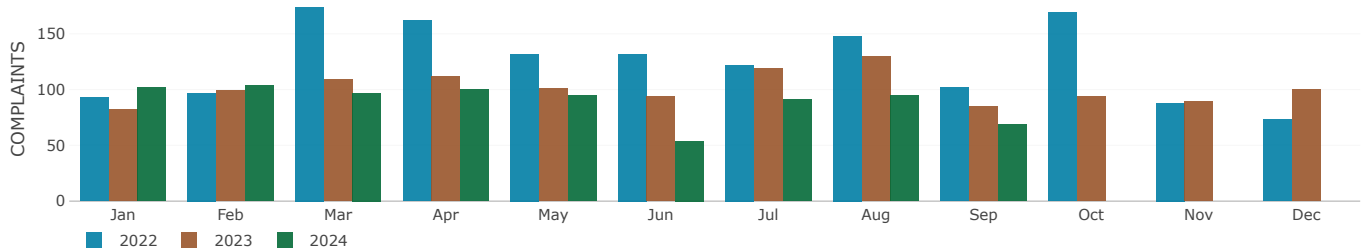
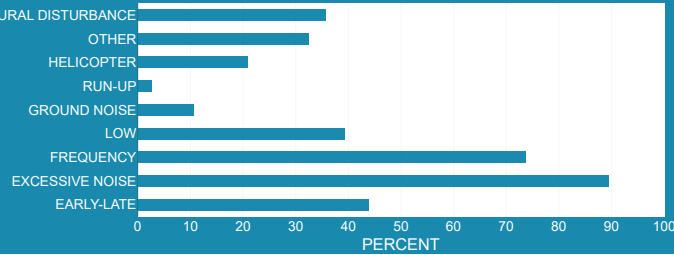




COMPLAINTS

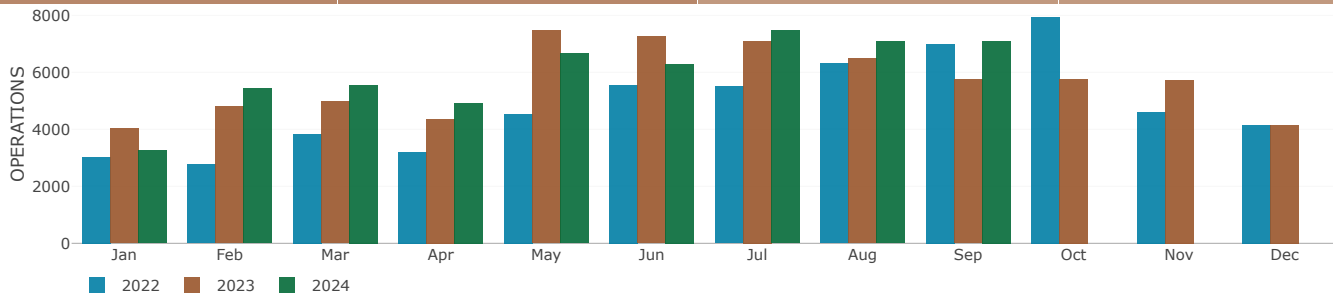
<b>2024</b>	<b>255</b> COMPLAINTS	<b>29</b> LOCATIONS	<b>96</b> NIGHTTIME COMPLAINTS	<b>12</b> NIGHTTIME HOUSEHOLDS
<b>2023</b>	<b>335</b> COMPLAINTS	<b>14</b> LOCATIONS	<b>90</b> NIGHTTIME COMPLAINTS	<b>8</b> NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



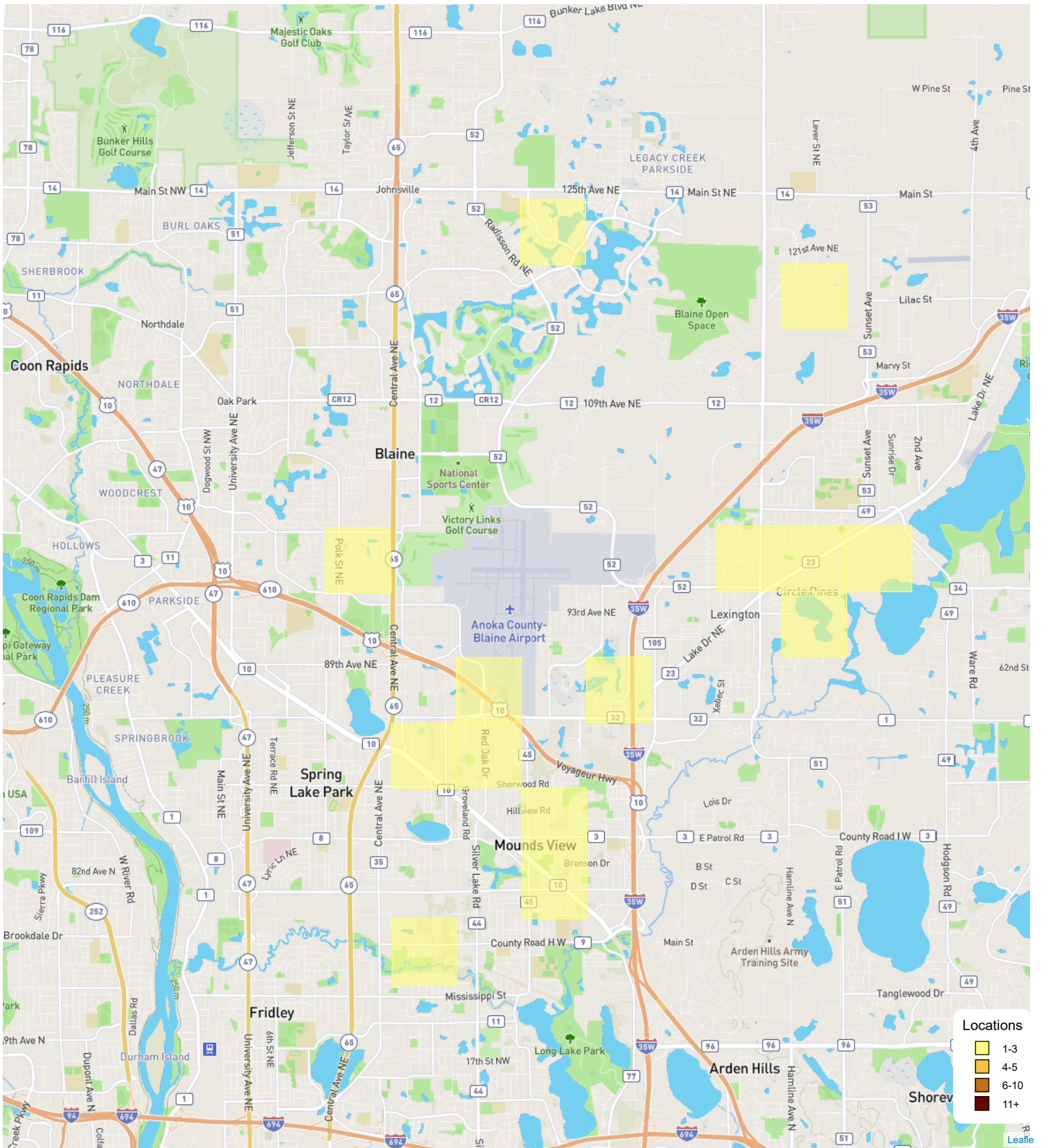
OPERATIONS

<b>2024</b>		<b>2023</b>	
<b>21,663</b> OPERATIONS	<b>1,562</b> NIGHTTIME OPERATIONS	<b>19,328</b> OPERATIONS	<b>1,274</b> NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	711	3.3 %	30	11.8 %
HELICOPTER	1,327	6.1 %	75	29.4 %
PISTON	18,627	86.0 %	122	47.8 %
TURBO-PROP	919	4.2 %	22	8.6 %
UNKNOWN	72	0.3 %	6	2.4 %
MILITARY	7	0.0 %	0	0.0 %
RUN-UP	0	0.0 %	0	0.0 %

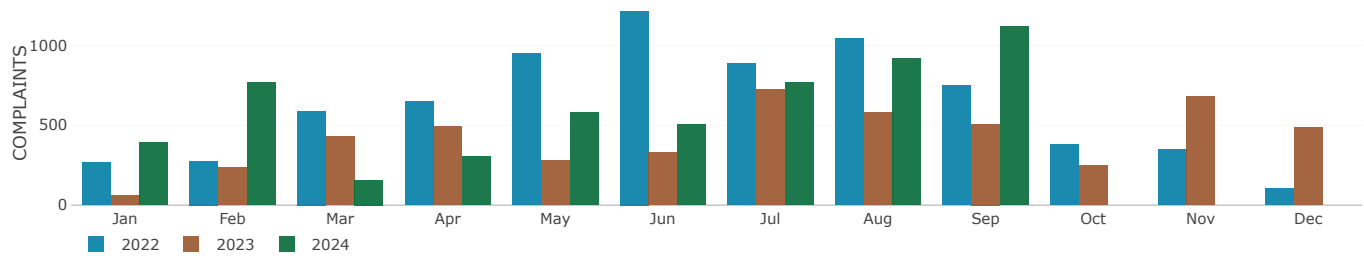
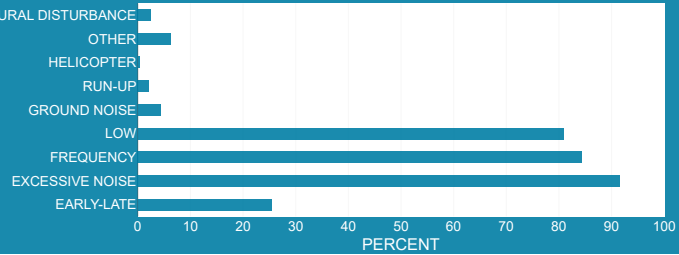
# Anoka County-Blaine (Janes Field) Airport (ANE) - COMPLAINTS HEATMAP



COMPLAINTS

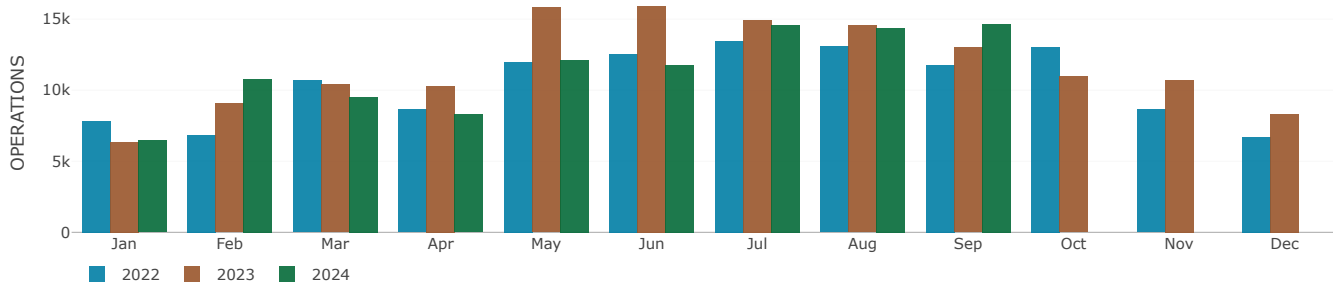
<b>2024</b>	<b>2,795</b> COMPLAINTS	<b>63</b> LOCATIONS	<b>533</b> NIGHTTIME COMPLAINTS	<b>36</b> NIGHTTIME HOUSEHOLDS
<b>2023</b>	<b>1,812</b> COMPLAINTS	<b>45</b> LOCATIONS	<b>395</b> NIGHTTIME COMPLAINTS	<b>23</b> NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



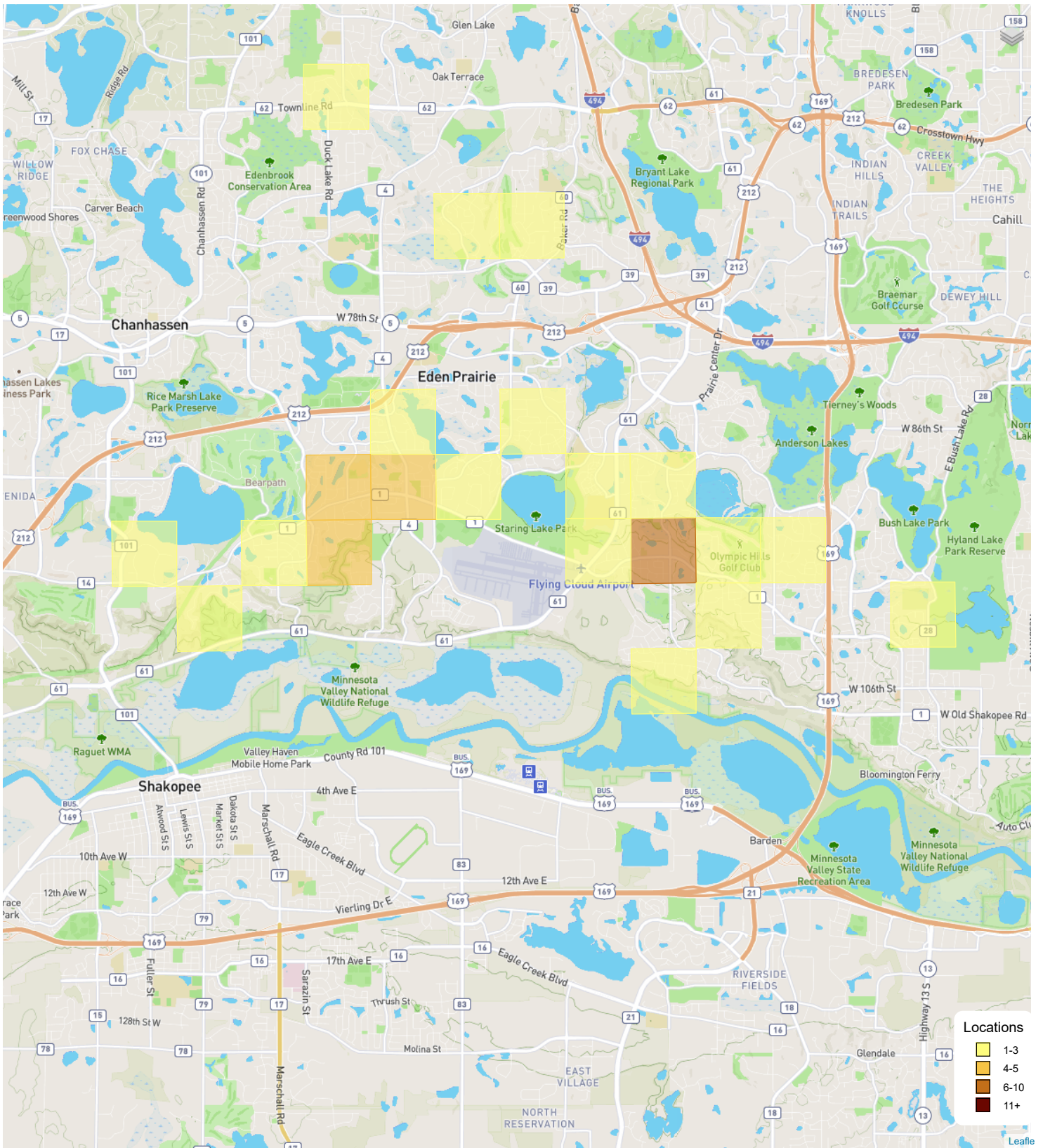
OPERATIONS

<b>2024</b>		<b>2023</b>	
<b>43,653</b> OPERATIONS	<b>2,490</b> NIGHTTIME OPERATIONS	<b>42,493</b> OPERATIONS	<b>2,332</b> NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	3,352	7.7 %	295	10.6 %
HELICOPTER	705	1.6 %	16	0.6 %
NOT-CORRELATED	0	0.0 %	1	0.0 %
PISTON	37,346	85.6 %	2,317	82.9 %
TURBO-PROP	2,240	5.1 %	162	5.8 %
UNKNOWN	9	0.0 %	4	0.1 %
MILITARY	1	0.0 %	0	0.0 %
RUN-UP	0	0.0 %	0	0.0 %

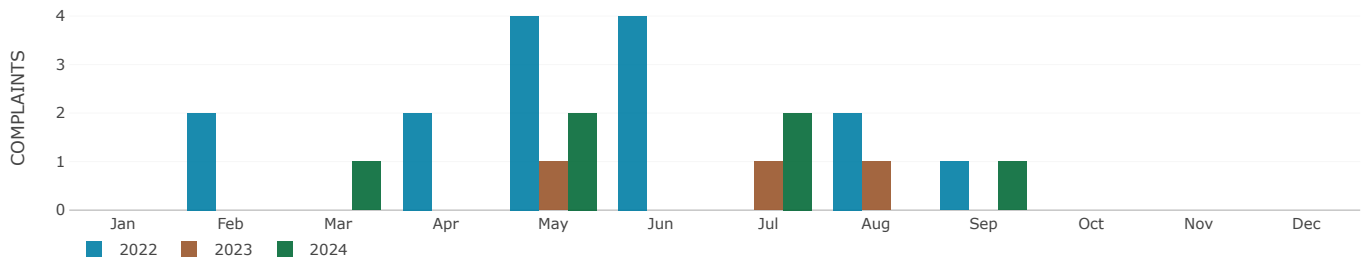
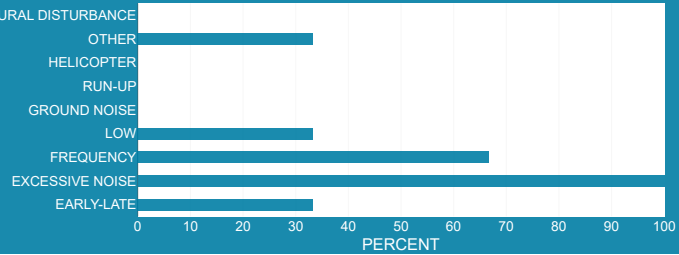
# Flying Cloud Airport (FCM) - COMPLAINTS HEATMAP



COMPLAINTS

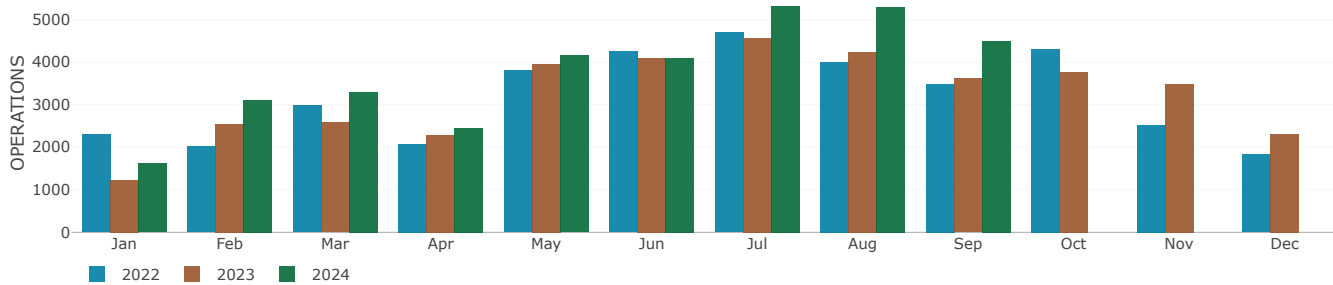
2024	3 COMPLAINTS	3 LOCATIONS	0 NIGHTTIME COMPLAINTS	0 NIGHTTIME HOUSEHOLDS
2023	2 COMPLAINTS	2 LOCATIONS	0 NIGHTTIME COMPLAINTS	0 NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



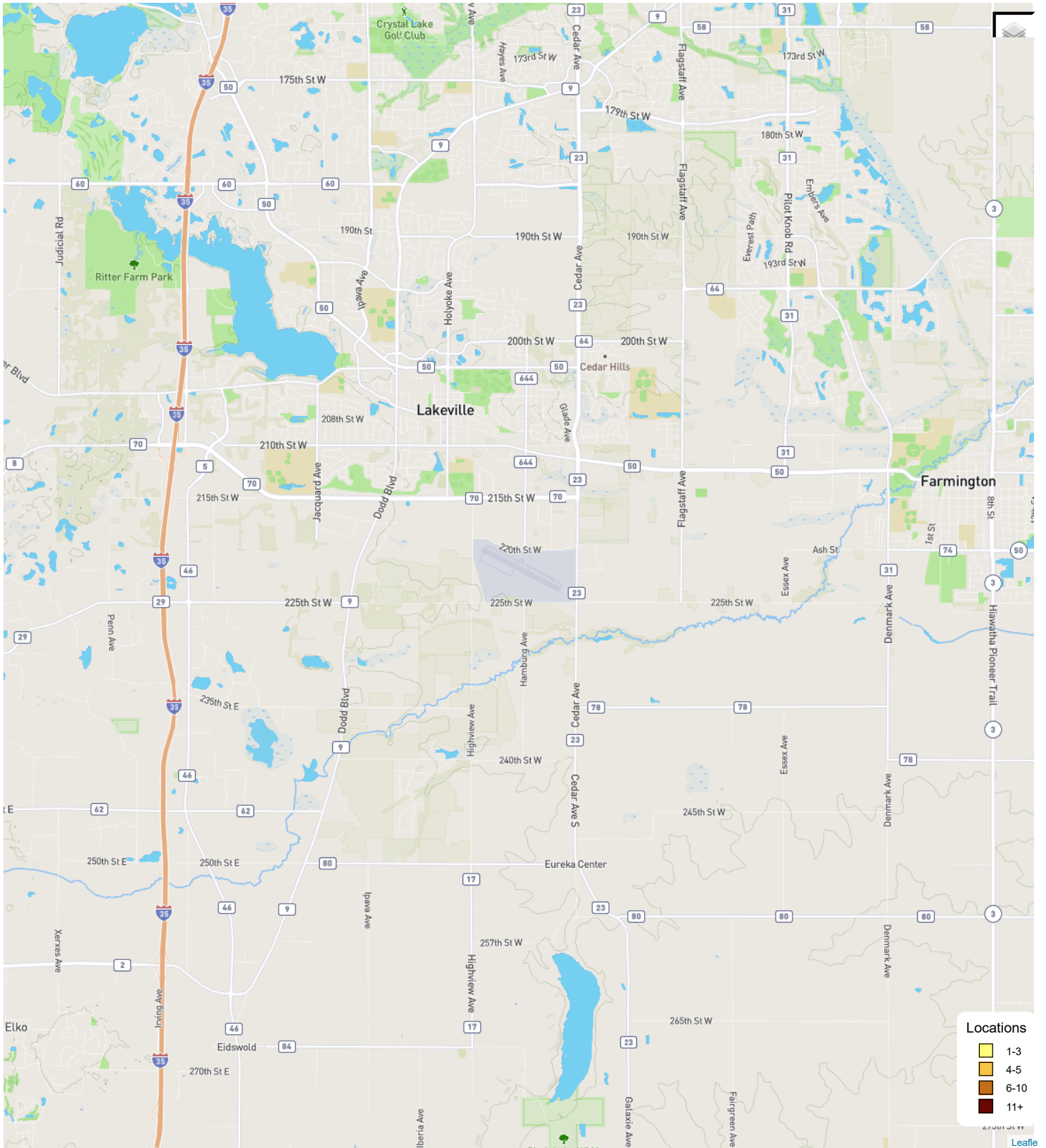
OPERATIONS

2024		2023	
15,107 OPERATIONS	426 NIGHTTIME OPERATIONS	12,423 OPERATIONS	260 NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	36	0.2 %	1	33.3 %
PISTON	14,662	97.1 %	2	66.7 %
HELICOPTER	144	1.0 %	0	0.0 %
TURBO-PROP	163	1.1 %	0	0.0 %
UNKNOWN	102	0.7 %	0	0.0 %
RUN-UP	0	0.0 %	0	0.0 %

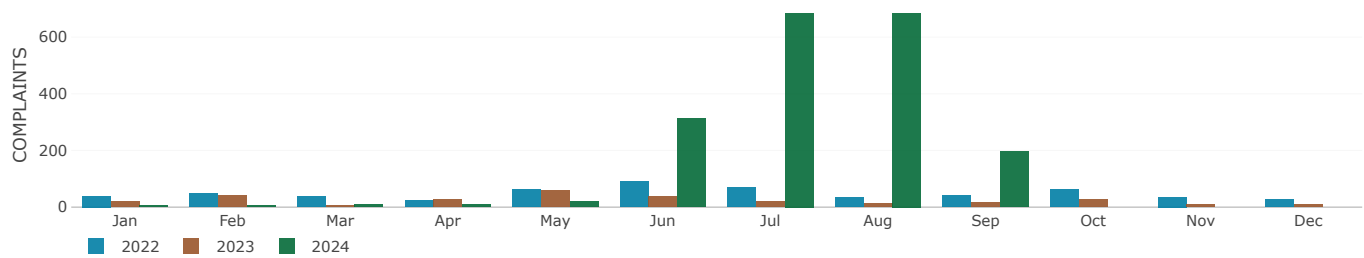
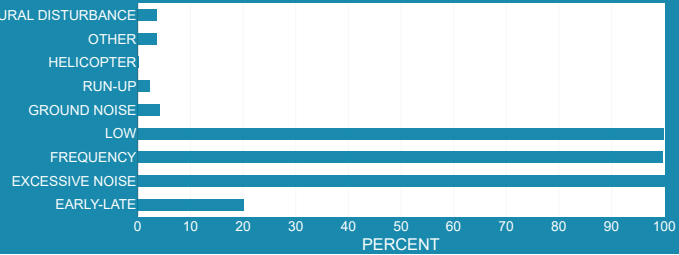
# Airlake Airport (LVN) - COMPLAINTS HEATMAP



COMPLAINTS

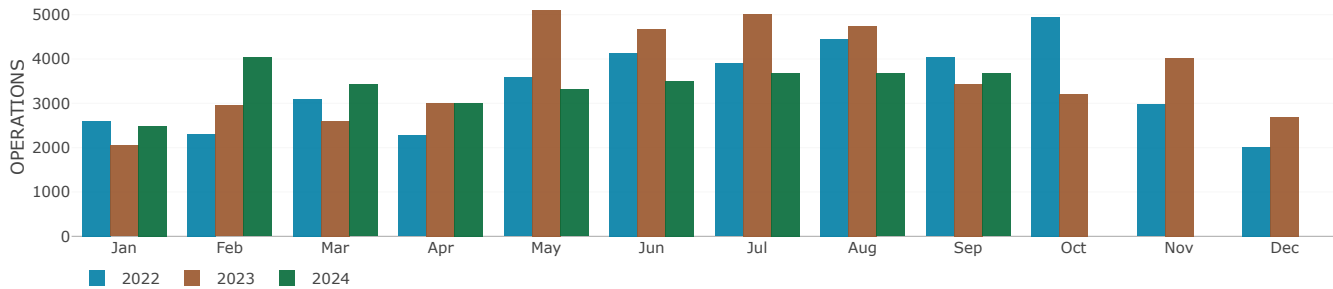
<b>2024</b>	<b>1,567</b> COMPLAINTS	<b>5</b> LOCATIONS	<b>161</b> NIGHTTIME COMPLAINTS	<b>3</b> NIGHTTIME HOUSEHOLDS
<b>2023</b>	<b>47</b> COMPLAINTS	<b>5</b> LOCATIONS	<b>6</b> NIGHTTIME COMPLAINTS	<b>1</b> NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



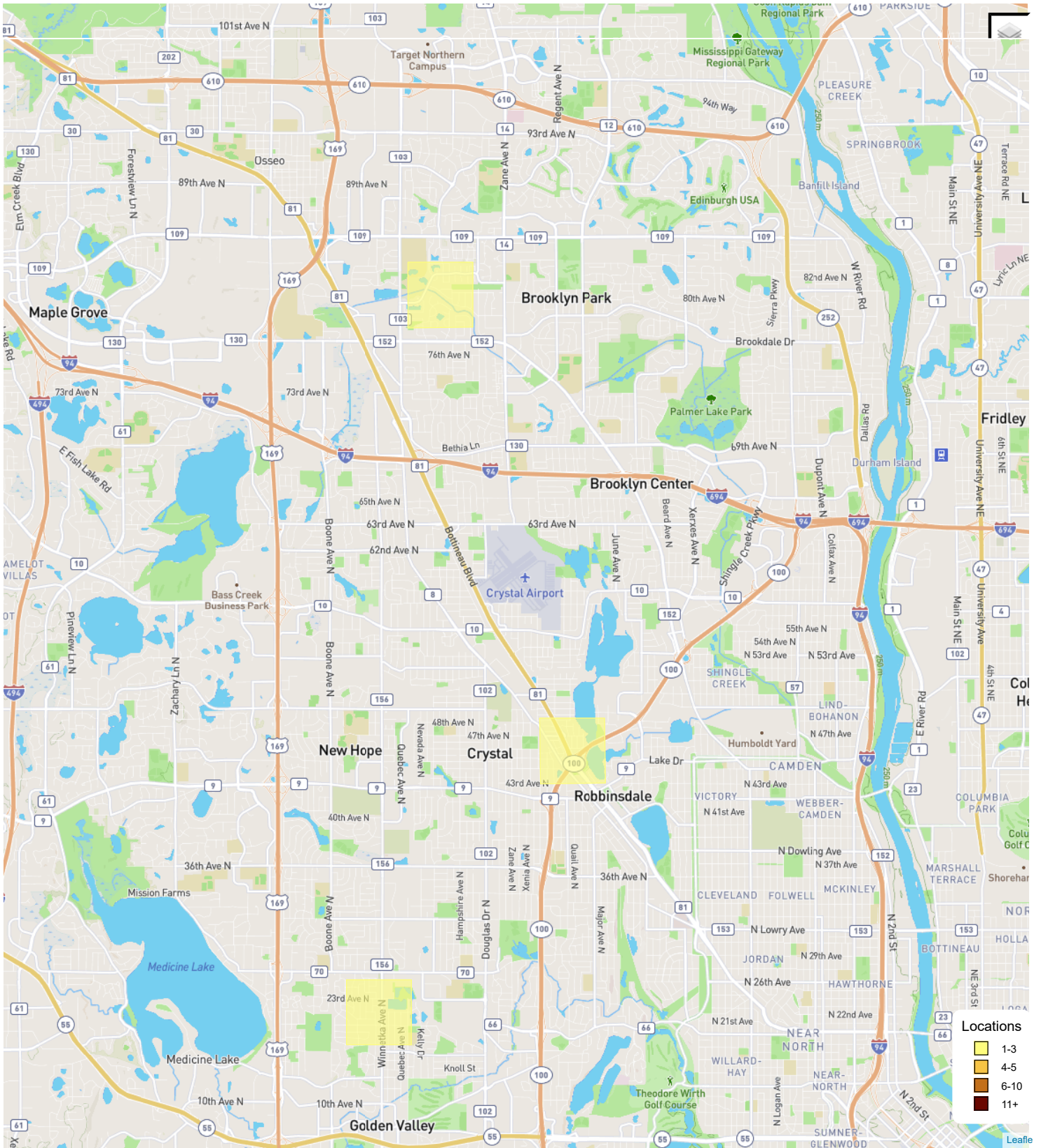
OPERATIONS

<b>2024</b>		<b>2023</b>	
<b>11,031</b> OPERATIONS	<b>372</b> NIGHTTIME OPERATIONS	<b>13,188</b> OPERATIONS	<b>469</b> NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	2	0.0 %	46	2.9 %
HELICOPTER	147	1.3 %	8	0.5 %
PISTON	10,803	97.9 %	1,511	96.4 %
TURBO-PROP	47	0.4 %	1	0.1 %
UNKNOWN	32	0.3 %	1	0.1 %
RUN-UP	0	0.0 %	0	0.0 %

# Crystal Airport (MIC) - COMPLAINTS HEATMAP

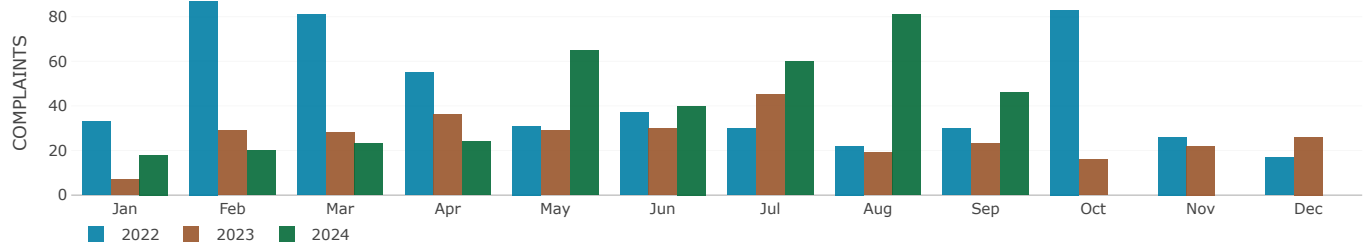
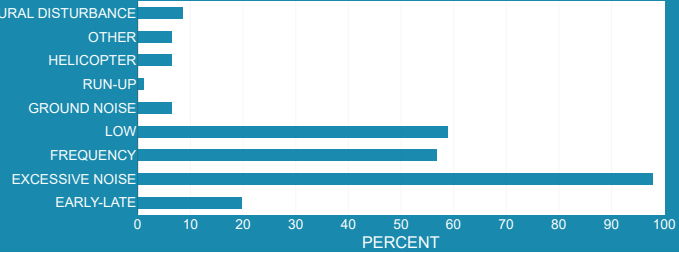




COMPLAINTS

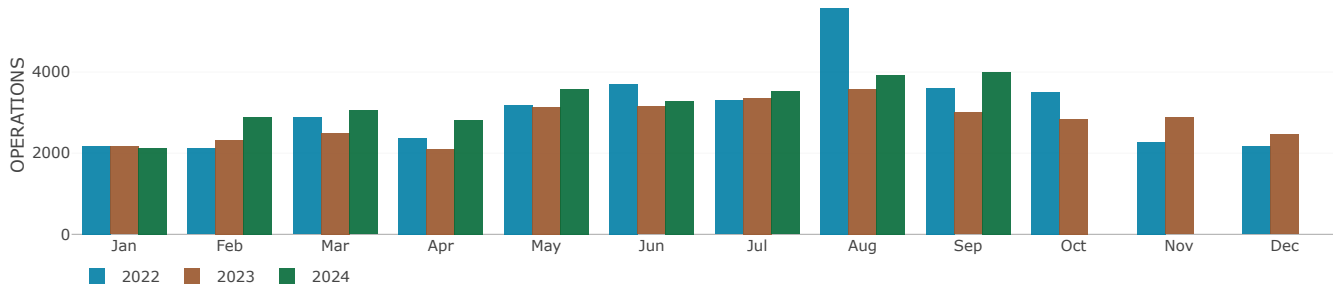
<b>2024</b>	<b>187</b> COMPLAINTS	<b>27</b> LOCATIONS	<b>47</b> NIGHTTIME COMPLAINTS	<b>11</b> NIGHTTIME HOUSEHOLDS
<b>2023</b>	<b>87</b> COMPLAINTS	<b>14</b> LOCATIONS	<b>19</b> NIGHTTIME COMPLAINTS	<b>8</b> NIGHTTIME HOUSEHOLDS

COMPLAINT DESCRIPTORS



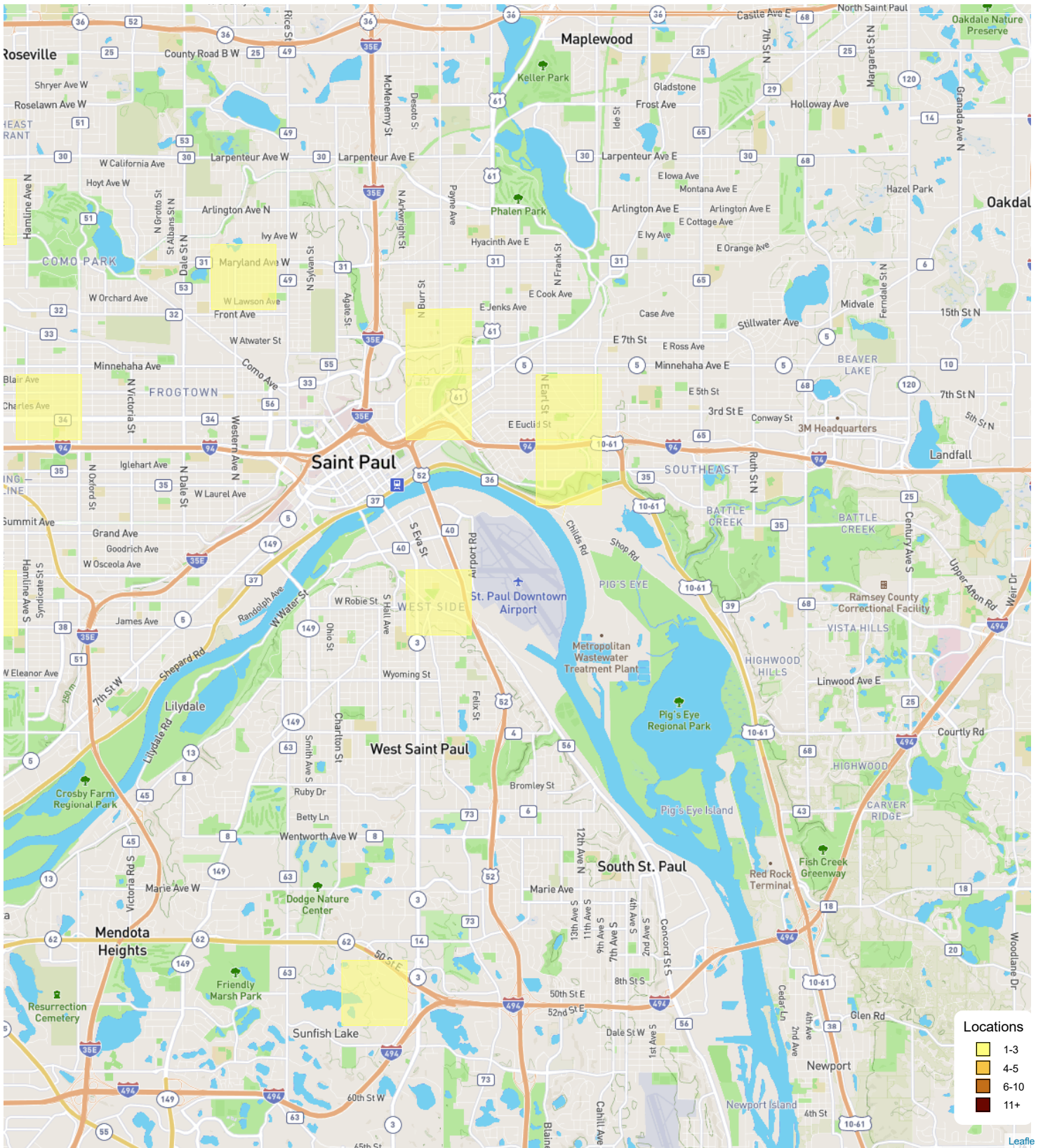
OPERATIONS

<b>2024</b>		<b>2023</b>	
<b>11,446</b> OPERATIONS	<b>1,011</b> NIGHTTIME OPERATIONS	<b>9,941</b> OPERATIONS	<b>696</b> NIGHTTIME OPERATIONS



AIRCRAFT TYPE	OPERATIONS	%	COMPLAINTS	%
JET	2,947	25.7 %	52	27.8 %
HELICOPTER	1,417	12.4 %	33	17.6 %
MILITARY	0	0.0 %	1	0.5 %
PISTON	5,541	48.4 %	88	47.1 %
TURBO-PROP	1,535	13.4 %	13	7.0 %
UNKNOWN	6	0.1 %	0	0.0 %
RUN-UP	0	0.0 %	0	0.0 %

# St Paul Downtown Holman Field (STP) - COMPLAINTS HEATMAP



---

# NOISE ABATEMENT BEST PRACTICES

## Anoka County - Blaine Airport (ANE)

---

### INTRODUCTION

These Noise Abatement Best Practices (measures) for the Anoka County-Blaine Airport (ANE) were developed in recognition of the need to promote a neighborly environment while continuing to facilitate air transportation services in this region.

The measures below suggest ways to reduce the impacts of aircraft activity and noise experienced by people in areas surrounding the airport with an intent to direct as much air traffic over the least densely populated areas surrounding the airport. The success of these measures relies on voluntary efforts by aircraft operators to consider and apply these measures as they operate to and from ANE. None of these measures are intended to conflict with safety considerations or flight operation requirements dictated by federal law.

A Fly Neighborly Guide consolidates the voluntary measures contained in this document for easy reference during flight operations. Refer to the ANE Fly Neighborly Guide in your navigation tool or call 612-726-8100 to request a copy.

### 1. TAKEOFF AND APPROACH

During takeoff and landing the measures below attempt to reduce the amount of aircraft noise affecting sensitive land uses, such as homes. It is recognized that Air Traffic Control will dictate the active runway when the tower is operational. Pilots are encouraged to operate aircraft as quietly as possible with due regard to the performance capabilities of the aircraft being flown, and with consideration of the measures below:

- A. Runway 27: calm wind runway, use right traffic.
- B. Runway 18: use right traffic.
- C. Precision Approach Path Indicator (PAPI) on Runway 9/27 and Visual Approach Slope Indicator (VASI) on Runway 18/36. Aircraft approaching a runway served by a PAPI/VASI are advised to maintain an altitude at or above the glide slope until a lower altitude is necessary for a safe landing, and in accordance with Federal Aviation Regulations 14 CFR 91.119: Minimum Safe Altitudes.
- D. Use guidance published by FAA, NBAA, AOPA when arriving to or departing from the airport.

FAA AC 90-66C Non-Towered Airport Flight Operations: (embed website link)

[www.faa.gov/regulations\\_policies/advisory\\_circulars/index.cfm/go/document.information/documentID/1041885](http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1041885)

FAA AC 91-36D - Visual Flight Rules (VFR) Flight Near Noise-Sensitive Areas: (embed website link)

[www.faa.gov/regulations\\_policies/advisory\\_circulars/index.cfm/go/document.information/documentid/23156](http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentid/23156)

NBAA Noise Abatement Program: (embed website link)

<https://nbaa.org/aircraft-operations/environmental-sustainability/noise-abatement-program/>

AOPA Noise Awareness Steps: (embed website link)

[www.aopa.org/-/media/Files/AOPA/Home/Advocacy/AOPANoiseSteps.pdf](http://www.aopa.org/-/media/Files/AOPA/Home/Advocacy/AOPANoiseSteps.pdf)

- E. Turbine-powered aircraft and itinerant aircraft, depart Runways 27 or 18, fly runway heading and turn to a northerly heading after attaining 700 feet above ground.

## 2. TRAFFIC PATTERN

The following procedures apply to aircraft operating in the ANE traffic pattern:

- A. Operate aircraft at the airport traffic pattern altitude as follows, unless a lower altitude is needed while in the process of departing or arriving in accordance with Federal Aviation Regulations 14 CFR 91.119: Minimum Safe Altitudes:
- Turbine-powered aircraft: 1,500 feet agl<sup>1</sup> (2419 msl<sup>2</sup>)
  - Propeller-driven aircraft: 1,000 feet agl (1912 msl)
- B. Avoid multiple training events by turbine-powered aircraft in the airport traffic pattern.
- C. Keep traffic pattern legs as short as possible and close to the airport without risking safety.
- D. Use the full length of runway for arrivals and departures:
- Avoid intersection takeoffs, and
  - Avoid stop and go operations.
- E. Avoid repetitive activity over residences, including flight training activities.
- F. When departing the traffic pattern, choose a path that avoids overflying residential areas, if practical.

---

<sup>1</sup> Above Ground Level

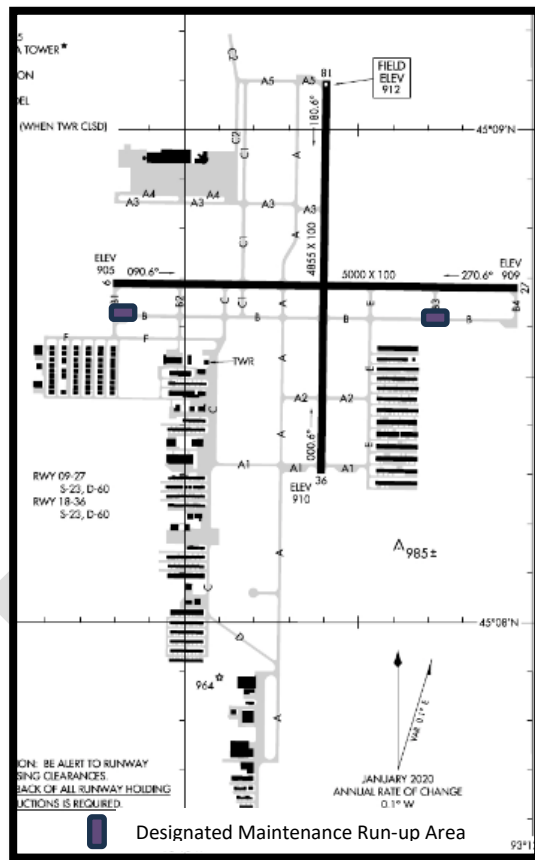
<sup>2</sup> Mean Sea Level

### 3. MAINTENANCE RUNUPS

Specific locations on the airfield are designated for engine tests and maintenance run-ups. These locations are selected to minimize the amount of noise projected toward adjacent residential areas (see map below):

- A. When practical, conduct extended engine tests and maintenance run-ups in excess of 5-minutes in the designated area (see map).
- B. Avoid engine tests and maintenance run-ups during nighttime hours.

NOTE: A pre-departure run-up, or run-ups of less than 5-minute duration may be conducted at other areas on the airfield, as needed.



#### **4. HELICOPTER TRAINING**

The unique design and operational characteristics of helicopter operations do not require use of a runway surface; however, helicopter operators must avoid conflicting with the flow of fixed wing aircraft. The following measures apply to helicopter training:

- A. Avoid helicopter training in the traffic pattern during nighttime hours.
- B. Avoid hovering for extended durations in the vicinity of residential areas.
- C. Avoid repetitive activity over residential areas.

#### **5. NIGHTTIME RESTRICTIONS**

Nighttime hours (2200 to 0700 local time) are noise sensitive because people are resting, and noise intrusions are more noticeable. When nighttime flight activity is needed, please limit noise and operate with consideration for neighbors by following these measures:

- A. Avoid nighttime currency operations and flight training in the traffic pattern after 2400 local time
- B. Avoid unnecessary low-level flyovers at the airport.

#### **6. FLY NEIGHBORLY GUIDE**

A Fly Neighborly Guide consolidates the information in this document for easy reference during flight planning and flight operations. Refer to the Fly Neighborly Guide in your navigation tool or call 612-726-8100 to request a copy.



# Anoka County-Blaine Airport (ANE) Fly Neighborly Guide

## 1. TAKEOFF AND APPROACH

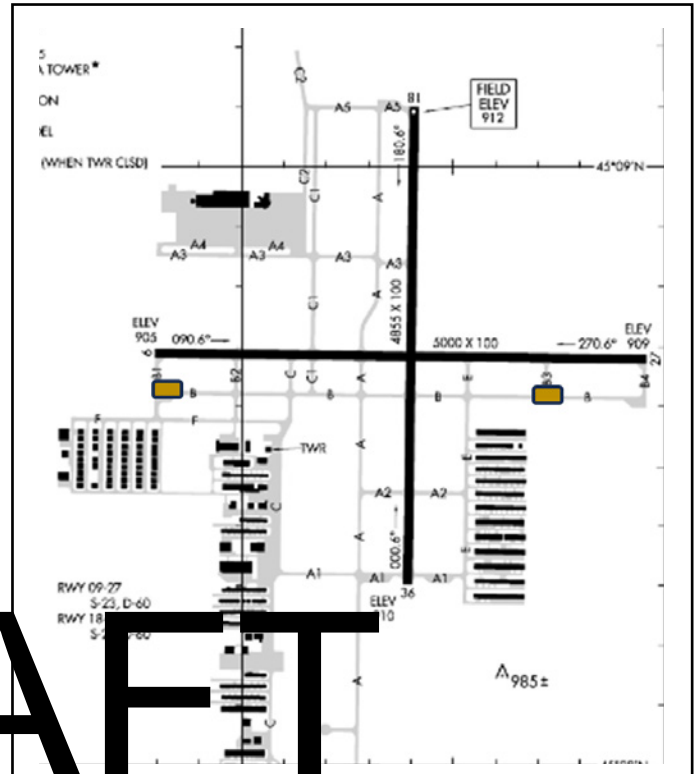
- A. Runway 27: calm wind runway, use right traffic.
- B. Runway 18: use right traffic.
- C. Arrivals: follow PAPI glide slope until a lower altitude is necessary for a safe landing.
- D. Use guidance published by FAA, NBAA, AOPA when arriving to or departing from the airport.
  - [FAA AC 90-66C Non-Towered Airport Flight Operations](#)
  - [FAA AC 91-36D - Visual Flight Rules \(VFR\) Flight Near Noise-Sensitive Areas](#)
  - [NBAA Noise Abatement Program](#)
  - [AOPA Noise Awareness Steps](#)
- E. Turbine-powered aircraft and itinerant aircraft, depart Runways 27 or 18, fly runway heading and turn to a northerly heading after attaining 700 feet above ground.

## 2. TRAFFIC PATTERN

- A. Fly aircraft at the airport traffic pattern altitude:
  - Turbine-powered aircraft: 1,500 feet agl (2419 msl)
  - Propeller-driven aircraft: 1,000 feet agl (1912 msl)
- B. Avoid multiple training events by turbine-powered aircraft in the airport traffic pattern.
- C. Keep traffic pattern legs as short as possible and close to the airport without risking safety.
- D. Use the full length of runway for arrivals and departures: avoid stop and go operations and avoid intersection takeoffs.
- E. Avoid repetitive activity over residences, including training activities.
- F. When departing the traffic pattern, choose a path that avoids overflying residential areas if practical.

## 3. MAINTENANCE RUN-UPS

- A. Use designated areas (see map) to conduct all engine tests and maintenance run-ups in excess of 5-minutes. **Pre-departure Run-ups may be conducted in other areas.**
- B. Avoid engine tests and maintenance run-ups during nighttime hours.



## 4. HELICOPTER TRAINING

- A. Utilize designated helicopter training areas determined by Air Traffic Control.
- B. Avoid helicopter training in the traffic pattern during nighttime hours
- C. Avoid hovering for extended durations in the vicinity of residential areas.
- D. Avoid repetitive activity over the same neighborhoods.

## 5. NIGHTTIME OPERATIONS (2200-0700)

- A. Avoid operating aircraft during nighttime hours.
- B. Avoid nighttime currency operations and flight training in the traffic pattern after 2400 local time.
- C. Avoid low-level flyovers at the airport.

If you have questions, please  
contact the airport manager at  
**763-717-0001**