



**ALAAC MEETING AGENDA**  
December 12, 2024, at 4 p.m.

**In-Person Meeting Location:**  
Lakeville City Hall

**Remote Participation via TEAMS:**  
[Click here to join the meeting](#) ID: 248 141 968 19  
**Or Dial in via Phone:** [612-405-6798](#) ID: [956320060#](#)

1. Welcome and Introductions -Information
2. Agenda Discussion -Information
3. **Consent Items -Action:**
  - a. Approval of Agenda
  - b. Approval of Minutes:  
June 13, 2024  
September 12, 2024
4. Public Comment (~3-min. per comment)
5. LVN Environmental Assessment Status
6. Airport 101: Value of Airport in the Community
7. Airport Manager Update
8. Aircraft Noise Complaints and Operations Summary Q3 2024
9. Upcoming Events
10. Member Comment
11. Announcements
12. Review 2025 Meeting Schedule

Adjourn

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

*For questions about this meeting agenda, please contact:*  
*Jennifer Lewis, MAC Community Relations Coordinator*  
[Jennifer.lewis@mspmac.org](mailto:Jennifer.lewis@mspmac.org) or 612-725-6327





# Airlake Airport ADVISORY COMMISSION

ALAAC

**METROPOLITAN AIRPORTS COMMISSION  
AIRLAKE AIRPORT ADVISORY COMMISSION  
DRAFT MEETING MINUTES**

Thursday, June 13, 2024, 4:00 p.m.

Lakeville City Hall

20195 Holyoke Avenue, Lakeville, MN 55044

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The meeting started at 4:00 p.m. In attendance in-person or by teleconference were:

**Representatives:** J. Bermel, City of Lakeville; K. Bernhjelm, City of Farmington; B. Eilers, Eureka Township; T. Fitzhenry, Airport User; A. Forsberg, Aloft Aviation; T. Goodroad, City of Lakeville; S. Guetter, Pilot; K. Jech, Lakeville Area Chamber of Commerce; E. Laberee, Dakota County; P. Moynihan, Pilot; D. Wolbert, Pilot

**MAC Staff:** K. Fisher, Attorney, J. Lewis, Community Relations Coordinator, C. Metcalfe, Community Relations Assistant Manager, M. Ross, Community Relations Manager; S. Seefeldt, Airport Manager – Airlake Airport, K. Verdeja, Recording Secretary

**Others:** A. Alwin, pilot, N. Modders, pilot, C. Gardner, Metropolitan Council

A quorum of at least three User Representatives and three Public Representatives was established for the Airlake Airport Advisory Commission (ALAAC).

**1. Welcome and Introductions**

**John Bermel, Co-Chair**, called the meeting to order at 4:00 pm. There was a total of 20 participants.

**2. Agenda Discussion**

**Chair Bermel** reviewed the agenda. There was no discussion.

**3. Consent Items**

**Chair Bermel** also opened a discussion regarding approving the minutes from the committee meeting on March 14, 2024. There were no changes.

**Representative Moynihan moved and Representative Wolbert seconded to:  
Approve the Agenda for today's meeting, June 13, 2024; and  
Approve the Minutes from the March 14, 2024 meeting as presented.  
The motion passed by unanimous vote.**

**8140 220th Street West, Lakeville, Minnesota 55044**

Sam Seefeldt, MAC Airport Manager • sam.seefeldt@mspm.com • 651-224-4306



**4. Public Comment**

**Chair Bermel** introduced the public comment period and reminded attendees of the ground rules for public comment. There were no comments made.

**5. Radio Frequency Change Update**

**Co-Chair Fitzhenry** introduced **Nick Modders, pilot**. **Mr. Modders** defined the Common Traffic Advisory Frequency (CTAF). The Metropolitan Airports Commission (MAC) is the Federal Communications Commission (FCC) License holder for the CTAF at Airlake Airport (LVN). It is available at all non-towered airports in the United States. It allows pilots to communicate amongst themselves at each airport. There are seven radio frequencies allocated by the FCC for these purposes. There are eight airports nearby that share the frequency of 123.000 MHz. **Mr. Modders** explained the current challenges faced by the airport with the frequency usage. He noted there is one frequency that does not have any other airports on it. Frequency 123.075 has no other airports within a few hundred miles. **Mr. Modders** recommended that the Metropolitan Airports Commission approve the request to change frequencies from 123.000 to 123.075.

**Representative Wolbert** asked if 122.8 was an option that was researched. That was the original frequency when the airport opened.

**Chair Bermel** asked if there was a training process for pilots. **Representative Guetter** also commented that pilot training should also include the training on the usage of the air frequency and standard radio phrasing.

**Representative Wolbert** moved **Representative Guetter** seconded that:

**Sam Seefeldt, Manager – Airlake Airport, move this discussion forward to MAC staff for next steps.**

**The motion passed unanimously.**

Christopher Gardner, Metropolitan Council, noted that Minnesota State University, Mankato, is in the process of changing its frequency from 123.000.

**6. Airport Manager Update**

**Sam Seefeldt, Manager – Airlake Airport,** reviewed the two current construction projects at the airport. He also noted that the maintenance building and some drainage issues are being worked on. There has been no progress on the runway extension Environmental Assessment (EA). Brian Ryks, Executive Director and CEO, and Roy Fuhrmann, Chief Operating Officer, have met with the Regional FAA Administrator regarding the EA and **Mr. Seefeldt** hopes to have an update at next ALAAC meeting.



**Representative Fitzhenry** asked about other areas of the airport regarding drainage issues. **Mr. Seafeldt** acknowledged that several areas at the airport need drainage assistance.

**Mr. Seafeldt** met with **Representative Eilers** yesterday to give a personal tour. He then invited any new member to attend.

**Mr. Seafeldt** responded to an inquiry from **Representative Wolbert** about a stop date for the EA project noting he was not aware of any stop date.

**Mr. Seafeldt** spoke about the rate increase at the commercial tenants at each reliever airport. More information will be coming out on this topic. There will be a public hearing scheduled shortly.

#### 7. Noise Complaints Summary Q1 2024

**Jennifer Lewis, Technical Advisor**, summarized the Airlake Airport (LVN) Aircraft Operations for Q1 2024. She also explained the Metropolitan Airports Commission Noise and Operation System ([MACNOMS](#)) tool. **Ms. Lewis** stated there was 1 noise complaint during the quarter.

**Sam Seafeldt, Manager – Airlake Airport**, noted that 8006 operations and 39 nighttime operations were recorded for Airlake Airport during the first quarter of 2024.

#### 8. Noise Abatement Recommended Practices

**Jennifer Lewis, Technical Advisor**, reviewed the Noise Abatement information and best practices. She noted that the update would ensure the measures are relevant and practical and that the terminology is consistent with guidance provided by the Federal Aviation Administration. These recommendations are sought under the 2024-2025 ALAAC Work Plan.

Ms. Lewis recommended two options for a title change to the document. She also reviewed the Airlake Airport (LVN) Fly Neighborly Guide.

**Representative Eilers** recommended that the title “Best Practices” be used instead of “Information”.

**Representatives Forsberg** and **Wolbert** both asked that the verbiage “when practical” be used regarding the maintenance runups. After discussion and clarifications, a recommendation was made to the maintenance runups verbiage.



**Representative Wolbert moved and Representative Forsberg seconded to:**

**Recommend the Metropolitan Airports Commission finalize and publish an update of the Airlake Airport Noise Abatement Best Practices (new title), including the modifications discussed in the following sections: airport maintenance run-ups, take-off and runway, traffic pattern area, and nighttime operations.**

**The motion passed by unanimous vote.**

**9. Airport 101/Tour Discussion**

**Sam Seefeldt, Manager - Airlake Airport.** mentioned that Airport 101 and Tours were discussed at previous meetings of this group. He offered the option of a tour to take place before or after the ALAAC Meeting on September 12, 2024. **Mr. Seefeldt** also noted that Airport 101 (an introduction to Airlake Airport) would be presented at the September 12, 2024 meeting. Lastly, **Mr. Seefeldt** recommended that new members and alternatives meet one-on-one with the Airport Manager for an Airport 101 presentation.

**Michele Ross, Manager – Stakeholder Engagement,** noted that the tour's timing was chosen due to staff capacity.

**10. Upcoming Events**

**Sam Seefeldt, Manager – Airlake Airport,** noted that on June 16, there is an EAA Chapter 25 Father's Day breakfast. He also noted that the LVN Tenant barbeque would be held on June 17, 2024. **Mr. Seefeldt** also mentioned the Pan-O-Prog breakfast will be from July 7-14, 2024. The fly-in breakfast will be at Airlake Airport on July 7<sup>th</sup>.

**Representative Moynihan** noted that this is the twelfth breakfast for the Lakeville Lions Pan-O-Prog, and they are working on improving the service lines at the breakfast. Tickets will be offered at a discounted price online. The Commemorative Air Force will bring in some aircraft, and MAC will bring out some maintenance equipment. He noted some of the booths that will be at the event.

**11. ALAAC Member Comments**

**Chair Fitzhenry** thanked all in attendance for participating and opened the discussion to the representatives. There were no comments.

**12. Announcements**

**Chair Fitzhenry** noted there were no announcements.



**13. Review Meeting Schedule**

**Chair Fitzhenry** noted that the next meeting would be held on Thursday, September 12, 2024, and Thursday, December 12, 2024, at 4:00 p.m., with a location to be determined.

**14. Adjourn**

The meeting was adjourned at 5:28 p.m.

DRAFT





# Airlake Airport ADVISORY COMMISSION



ALAAC

**METROPOLITAN AIRPORTS COMMISSION  
AIRLAKE AIRPORT ADVISORY COMMISSION  
DRAFT MEETING MINUTES**

Thursday, September 12, 2024, 4:00 p.m.  
Lakeville City Hall  
20195 Holyoke Avenue, Lakeville, MN 55044

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The meeting started at 4:01 p.m. In attendance in-person or by teleconference were:

**Representatives:** J. Bermel, City of Lakeville; T. Fitzhenry, Airport User; A. Forsberg, Aloft Aviation; K. Jech, Lakeville Area Chamber of Commerce; P. Moynihan, Airport User; D. Wolbert, Airport User; K. Bachmayer, City of Lakeville

**MAC Staff:** Y. Bizen, MAC Commissioner, J. Lewis, Community Relations Coordinator, M. Ross, Community Relations Manager; S. Seefeldt, Airport Manager – Airlake Airport; M. Trapp, Environmental Affairs Manager; G. Olson, Environmental Affairs, A. Hanson, MAC Attorney

**Others:**

A quorum of at least three User Representatives and three Public Representatives was not established.

**1. Welcome and Introductions**

**Tom Fitzhenry, Co-Chair**, called the meeting to order at 4:00 pm. There was a total of 14 participants. **Chair Fitzhenry** reviewed the purpose and goals of the council.

**2. Agenda Discussion**

**Chair Fitzhenry** reviewed the agenda. There was no discussion.

**3. Consent Items**

**Chair Fitzhenry** also opened a discussion regarding approving the minutes from the committee meeting on December 15, 2023. There were no changes.

**4. Public Comment**

**Chair Fitzhenry** introduced the public comment period and reminded attendees of the ground rules for public comment. There were no comments made.

**5. Airport Manager Update**

**Sam Seefeldt, Airport Manager – Airlake Airport**, request from Sam AWOS info was requested by John Bermel

*Approved 6-13-2024*

**8140 220th Street West, Lakeville, Minnesota 55044**

Sam Seefeldt, MAC Airport Manager • [sam.seefeldt@mspmac.org](mailto:sam.seefeldt@mspmac.org) • 651-224-4306



Include 2024 drainage project that came up later

## 6. **Noise Complaints Summary Q2 2024**

**Jennifer Lewis, Technical Advisor**, summarized the Airlake Airport (LVN) Aircraft Operations for Q2 2024. She also explained the Metropolitan Airports Commission Noise and Operation System ([MACNOMS](#)) tool. **Ms. Lewis** stated that 10,696 operations and 340 nighttime operations were recorded for Airlake Airport during the second quarter of 2024.

**Ms. Lewis** also explained the Metropolitan Airports Commission Community Connection website which can be found at [www.metroairports.org/community-connection](http://www.metroairports.org/community-connection).

**Ms. Lewis** stated there were two noise complaints during the quarter. She also explained that more detail about complaints and operations is available by clicking on the Interactive Reports button found at <https://metroairports.org/community-connection/aircraft-noise>.

**Ms. Lewis** responded to questions regarding the complaint data. She shared more information about the concerns that were shared regarding the complaints that were filed. She also described how complaints are correlated to operations.

## 7. **Fly Neighborly**

**Jennifer Lewis, Technical Advisor**, gave an overview of the Fly Neighborly documents that were created in coordination with the ALAAC at the June 13, 2024, meeting. She also shared that ForeFlight custom content has been created for LVN. This content allows pilots to have easy access to Fly Neighborly guides while flying at LVN and MAC's other airports. Representative Guetter suggested that the MAC work with MNDOT to share the Fly Neighborly information. Lewis shared that the MAC is working through providing the information through AirNAV.com and the Federal Aviation Administration Chart Supplement, and committed to reach out to MNDOT as suggested.

## 8. **Environment 101**

**Marissa Trapp, MAC Manager, Environmental Affairs**, provided high level overview of the department and what they do, across all MAC airports and specific to Airlake Airport. The Environment Department mission is twofold: compliance with federal, state and local regulations, and serve as a resource to tenants to encourage stewardship. The department also supports the achievement of the MAC's sustainability goals.

**Grace Olson, MAC Environmental Complaint Specialist**, provided more information about storm water management and spill prevention, Best Management Practices (BMPs), MAC's role for soil and erosion control during construction as well as day-to-day, provides regular tenant engagement, and is a resource for compliance or other tenant questions. She explained that she assists with conducting inspections. Ms. Olson also shared that Airlake has several specific plans and permits that are in place to minimize pollution – general industrial





stormwater discharge permit. She explained the Stormwater Pollution Prevention Plan and Spill Prevention Control and Countermeasure plan, and she reminded that Airlake Airport tenants need to reapply for 2025 stormwater permits by October 2024.

**Chair Fitzhenry** asked questions about surface flooding at the airport. **Ms. Trapp** explained the MAC is aware of drainage issues and is evaluating ways to address them.

**Representative Guetter** explained his approach to remedying the flooding issues he experienced. **Chair Fitzhenry** asked if documentation from tenants would help. **Mr. Seefeldt** explained he is aware of many examples and situations.

**Representative Wolbert** suggested in-person observations would be valuable, then asked about the LVN Environmental Assessment (EA). **Ms. Ross** acknowledged there are factors that need to be worked through before that process can move forward.

#### 9. ALAAC Member Comments

**Chair Fitzhenry** thanked all in attendance for participating and opened the discussion to the representatives.

**Representative Forsberg** noted his concerns regarding the delay in the EA.

**Representative Wolbert** asked if there is a way the ALAAC can help move the process along. **Ms. Ross** stated that the MAC is committed to transparency and will continue to share updates with the ALAAC. She noted the full MAC Board meets monthly and anyone is welcome to attend those meetings. MAC Board meeting information is available on [metroairports.org](http://metroairports.org)

**Representative Forsberg** commended Sam Seefeldt, Airport Manager, for doing a fantastic job because his level of communication and his commitment to the airport shows. Representative Forsberg also noted that the same taxilane names were given to Airlake airport and Lake Elmo airport, which is causing a problem because his hangar address is not recognizable by any map. He believes coordination needs to take place with the MAC, the City of Lakeville and the County to assign an address for Aloft Aviation Fixed Base Operator (FBO). Maynard Lane, where the FBO is located, is not recognized by the City or the County, and emergency services personnel do not know where it is located on a map. He suggested a 911 locate be conducted and documented.

**Representative Forsberg** shared an overview of his company's involvement with Lakeville North Hockey program, including an event they are hosting at the airport on October 12.



**Chair Fitzhenry** noted concerns regarding transient aircraft from Mankato State Flight School using opposite approaches. **Representative Wolbert** asked about measures to communicate with the flight school. **Mr. Seefeldt** committed to conveying the concerns to Mankato State to avoid opposite direction approach patterns.

**Representative Moynihan** provided Reliever Airport Advisory Committee updates, including that the AWOS system is scheduled to be replaced in 2025. He also noted that an update is in process for the Common Traffic Advisory Frequency (CTAF). The MAC is working with the Federal Communication Commission (FCC) to change the CTAF to a less busy frequency.

**Representative Guetter** shared that LVN traffic pattern can be quite wide even when there are not many aircraft flying. He suggested reminders to pilots to follow FAA protocol and keep traffic patterns tighter and closer towards the airport.

**Representative Jech** shared appreciation to Representative Forsberg because he donates his hangar for many causes including a recent Lakeville Middle School youth fair.

**Representative Bachmayer** shared her appreciation for the knowledge and passion expressed and shared by those that serve on the ALAAC.

#### **10. Announcements**

**Chair Fitzhenry** noted that the next meeting would be held on Thursday, December 12, 2024, at 4:00 p.m. at Lakeville City Hall.

#### **11. Adjourn**

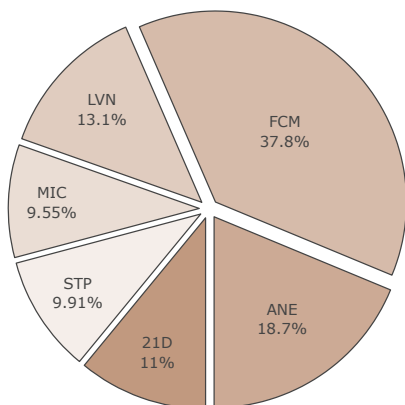
The meeting was adjourned at 5:00 p.m.



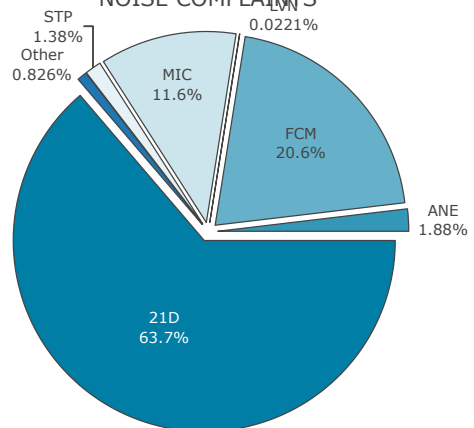
# Metropolitan Airports Commission (MAC) Reliever Airport Operations and Noise Complaint Report



AIRCRAFT OPERATIONS



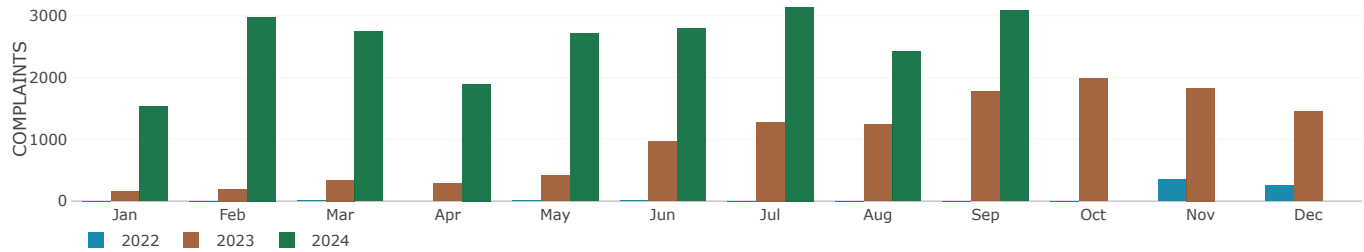
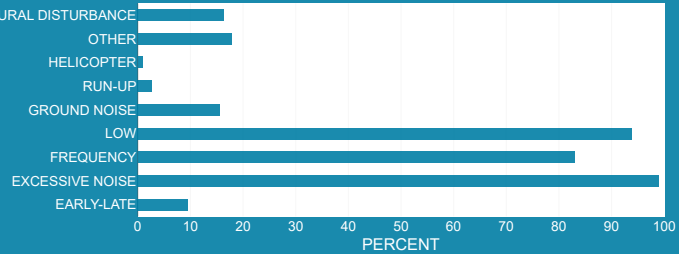
NOISE COMPLAINTS



COMPLAINTS

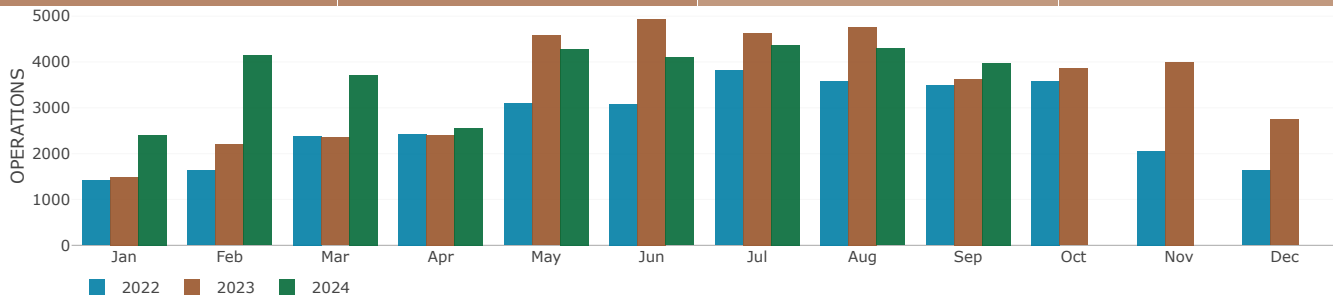
|             |                            |                        |                                    |                                  |
|-------------|----------------------------|------------------------|------------------------------------|----------------------------------|
| <b>2024</b> | 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

COMPLAINT DESCRIPTORS



OPERATIONS

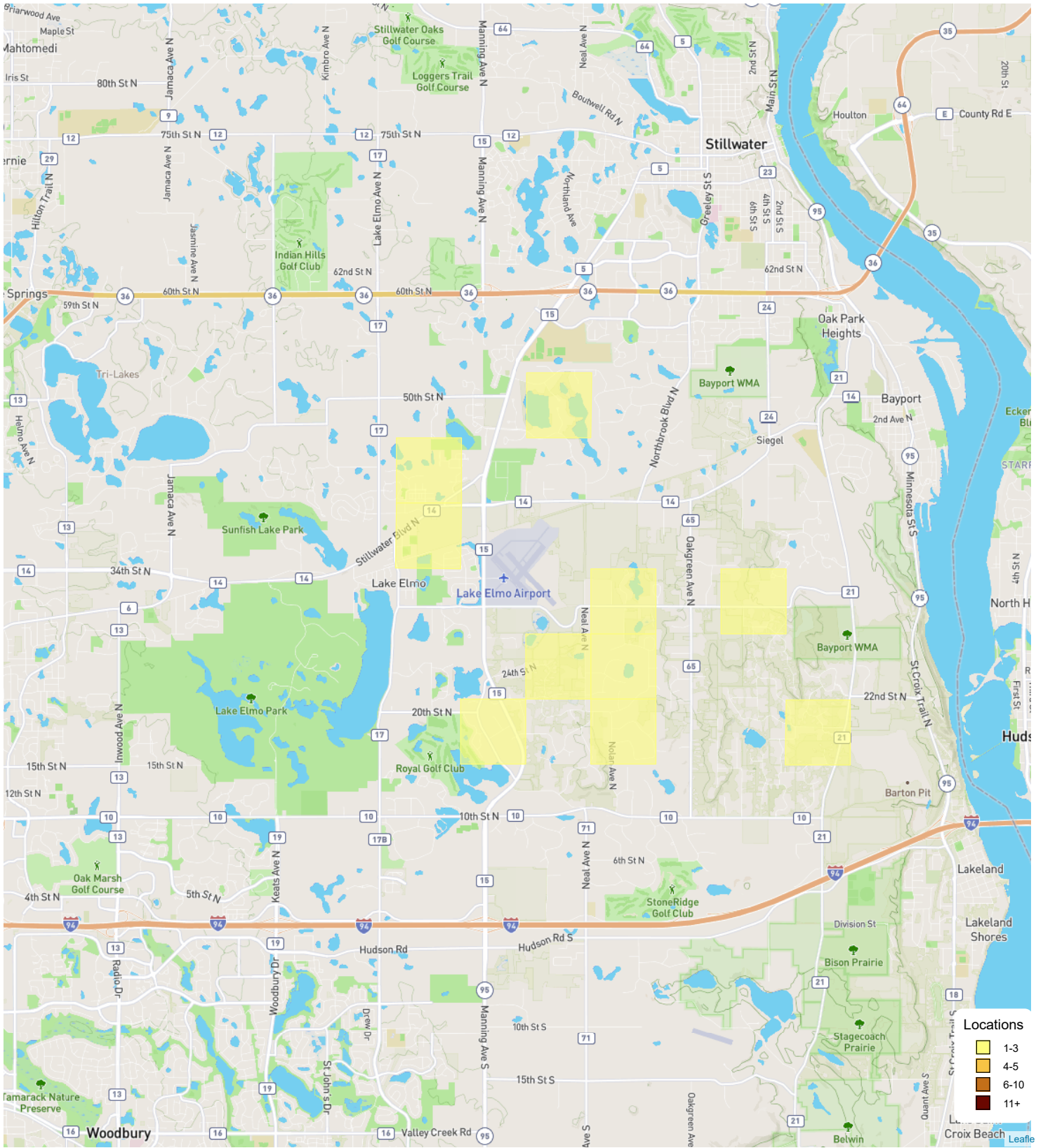
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|-----------------------------|------------------------------------|-----------------------------|------------------------------------|
| <b>2024</b>                 |                                    | <b>2023</b>                 |                                    |
| <b>12,657</b><br>OPERATIONS | <b>221</b><br>NIGHTTIME OPERATIONS | <b>13,031</b><br>OPERATIONS | <b>253</b><br>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 %  |



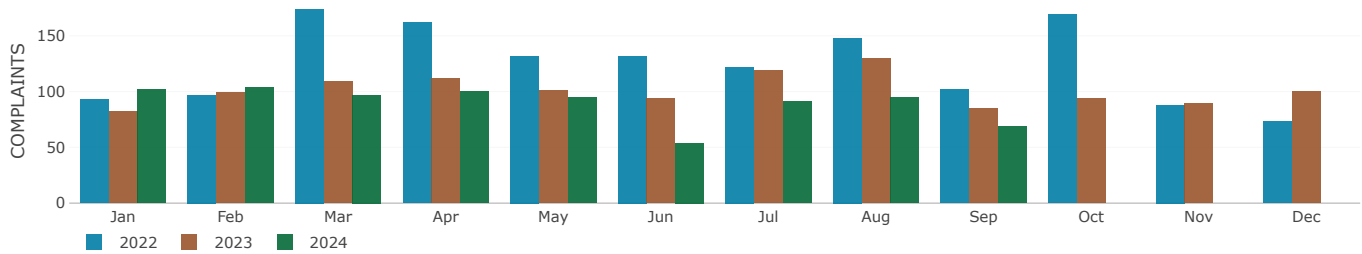
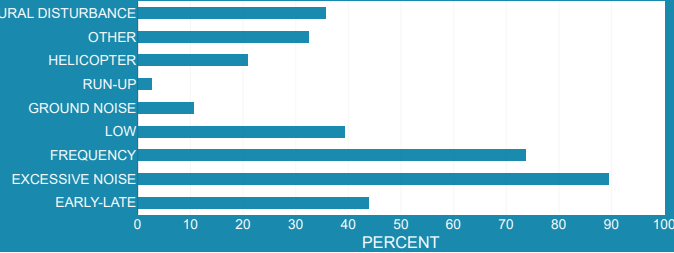
# Lake Elmo Airport (21D) - COMPLAINTS HEATMAP



COMPLAINTS

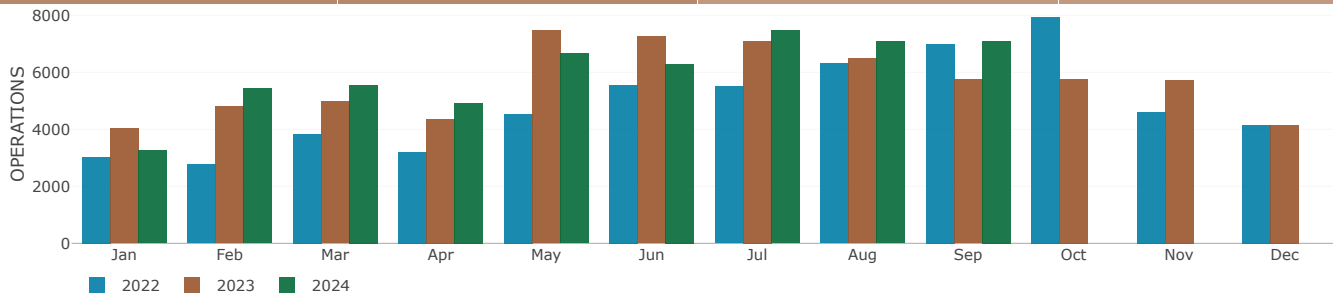
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|-------------|--------------------------|------------------------|-----------------------------------|-----------------------------------|
| <b>2024</b> | <b>255</b><br>COMPLAINTS | <b>29</b><br>LOCATIONS | <b>96</b><br>NIGHTTIME COMPLAINTS | <b>12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

COMPLAINT DESCRIPTORS



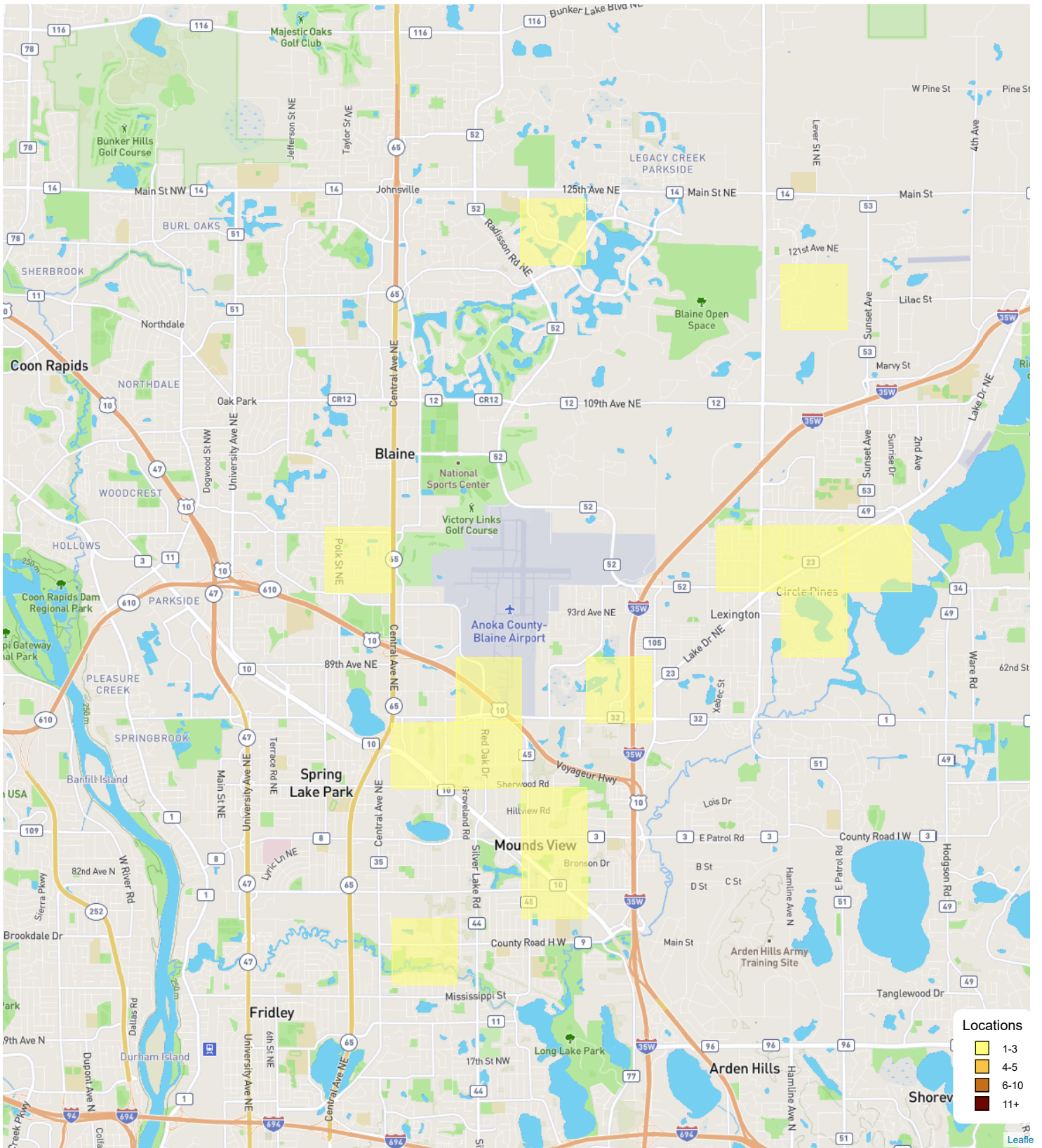
OPERATIONS

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

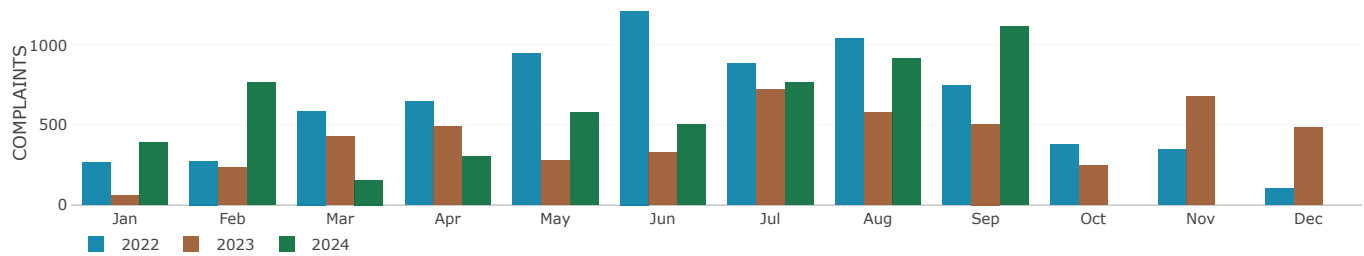
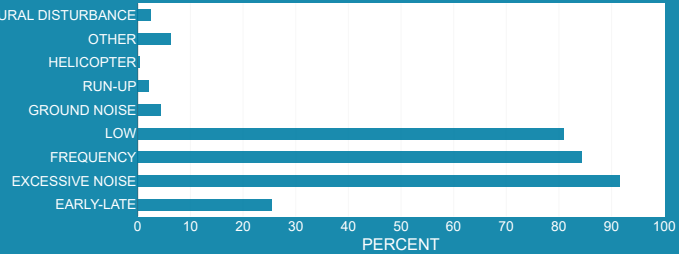
# Anoka County-Blaine (Janes Field) Airport (ANE) - COMPLAINTS HEATMAP



COMPLAINTS

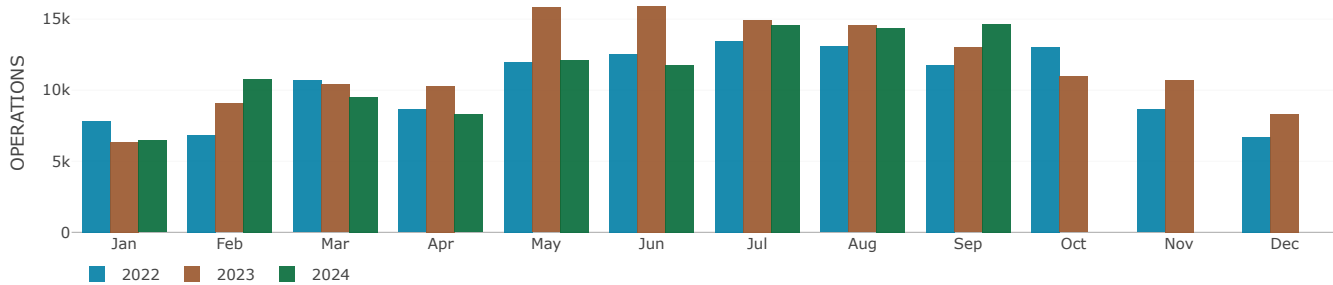
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|-------------|----------------------------|------------------------|------------------------------------|-----------------------------------|
| <b>2024</b> | <b>2,795</b><br>COMPLAINTS | <b>63</b><br>LOCATIONS | <b>533</b><br>NIGHTTIME COMPLAINTS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

COMPLAINT DESCRIPTORS



OPERATIONS

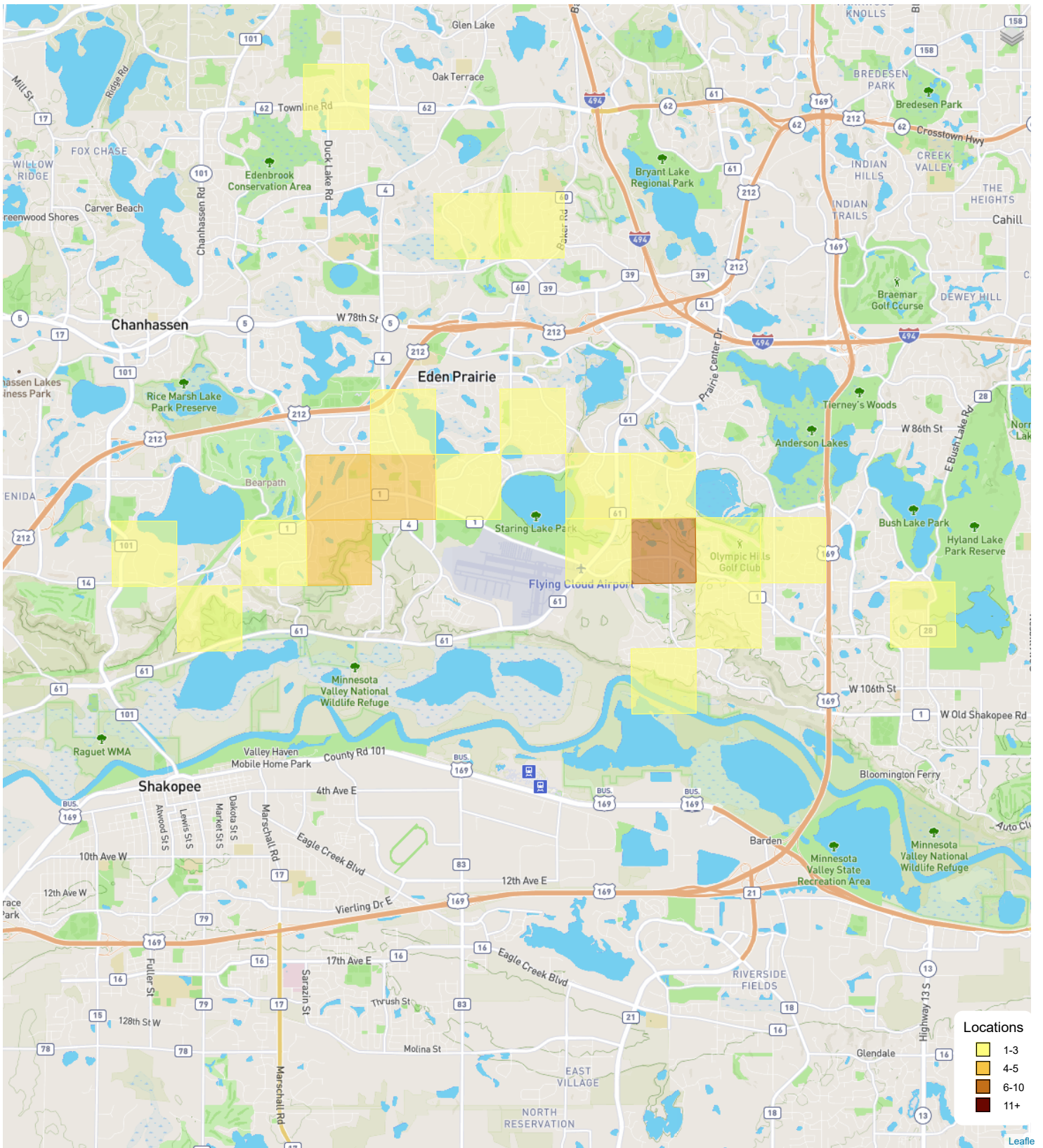
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|-----------------------------|--------------------------------------|-----------------------------|--------------------------------------|
| <b>2024</b>                 |                                      | <b>2023</b>                 |       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



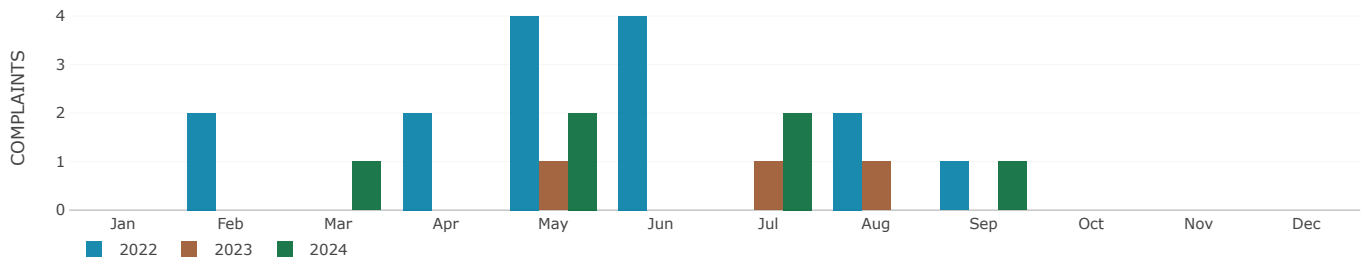
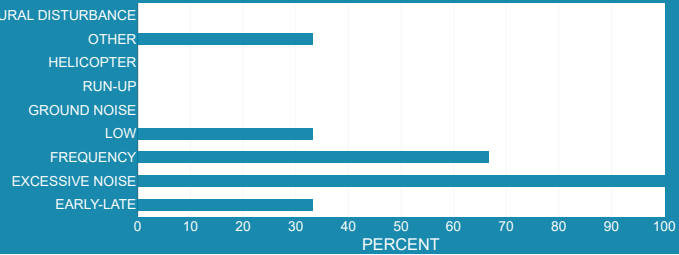
# Flying Cloud Airport (FCM) - COMPLAINTS HEATMAP



COMPLAINTS

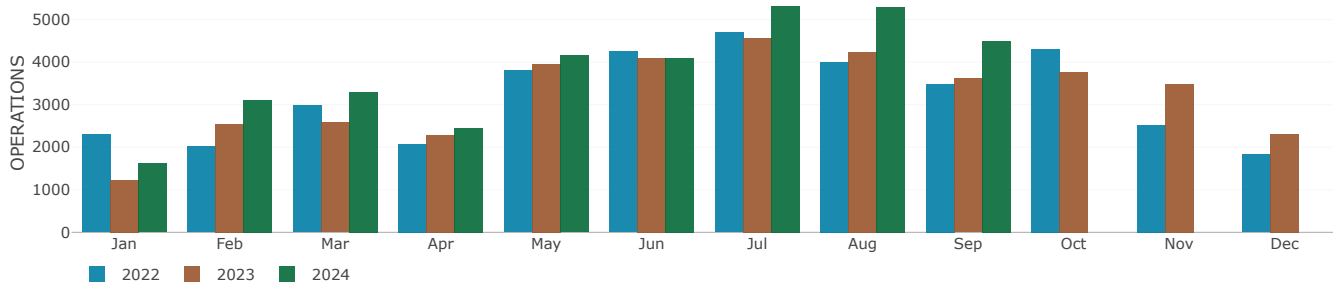
|      |                 |                |                           |                           |
|------|-----------------|----------------|---------------------------|---------------------------|
| 2024 | 3<br>COMPLAINTS | 3<br>LOCATIONS | 0<br>NIGHTTIME COMPLAINTS | 0<br>NIGHTTIME HOUSEHOLDS |
| 2023 | 2<br>COMPLAINTS | 2<br>LOCATIONS | 0<br>NIGHTTIME COMPLAINTS | 0<br>NIGHTTIME HOUSEHOLDS |

COMPLAINT DESCRIPTORS



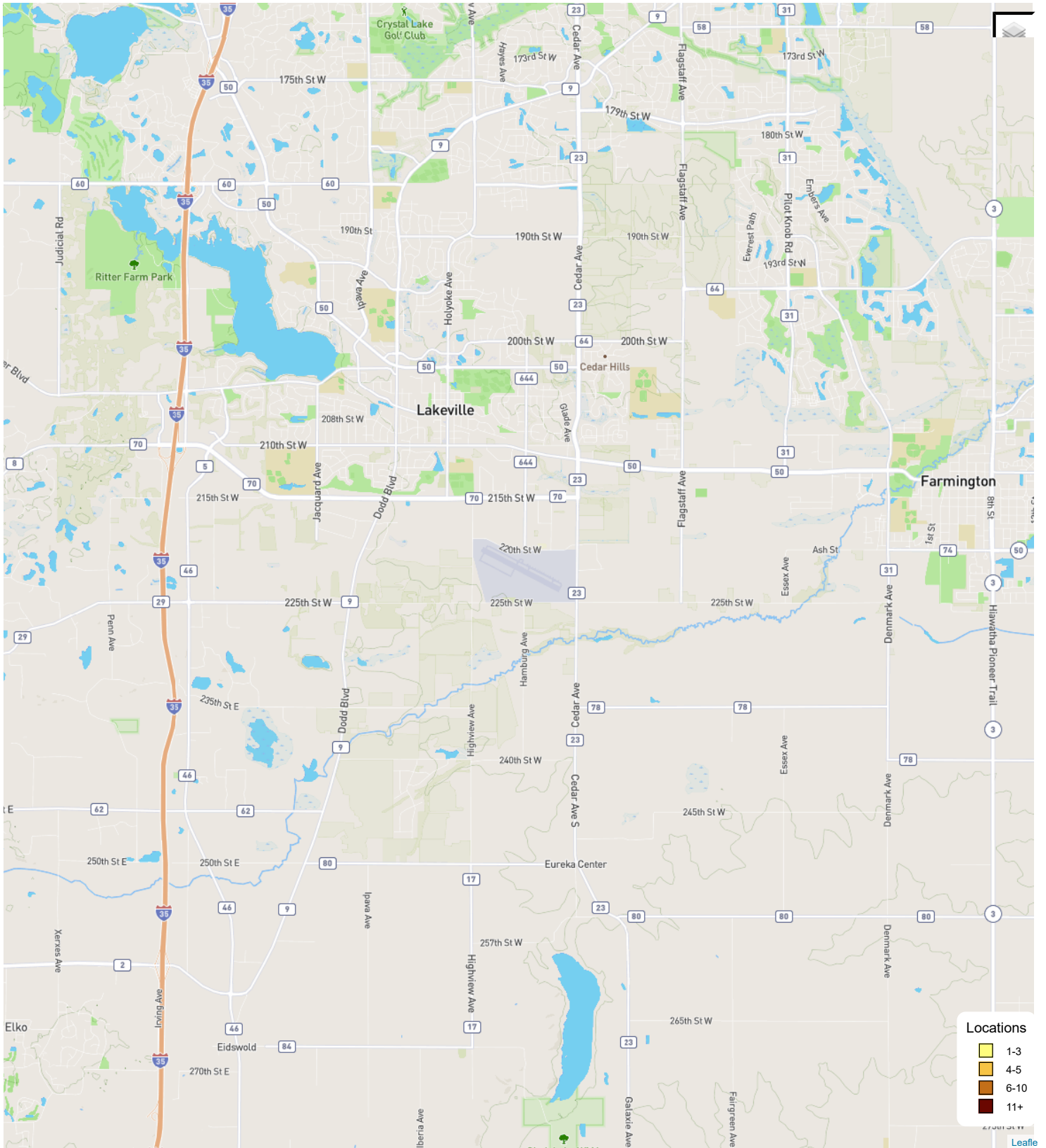
OPERATIONS

|                      |                             |                      |                             |
|----------------------|-----------------------------|----------------------|-----------------------------|
| 2024                 |                             | 2023                 |                             |
| 15,107<br>OPERATIONS | 426<br>NIGHTTIME OPERATIONS | 12,423<br>OPERATIONS | 260<br>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 %  |

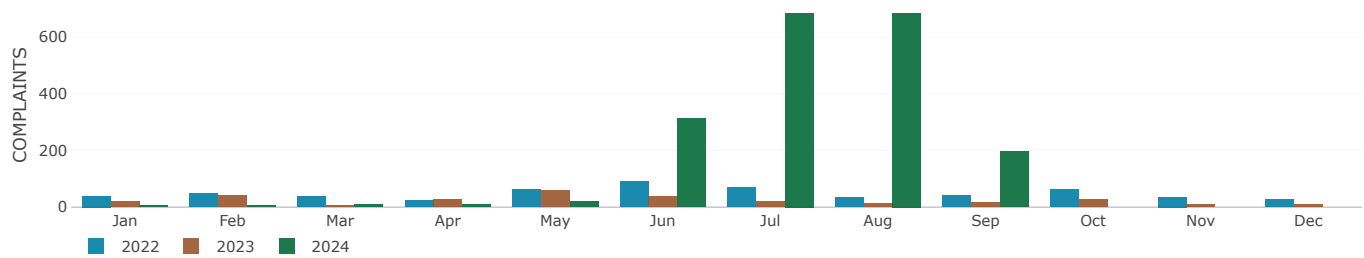
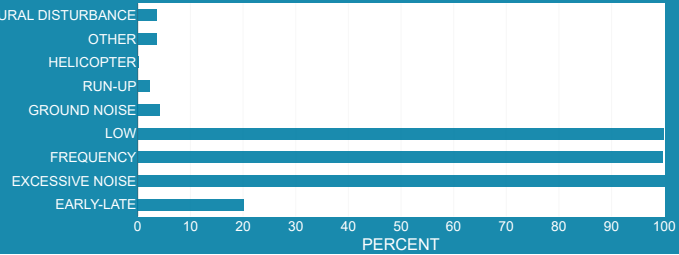
# Airlake Airport (LVN) - COMPLAINTS HEATMAP



COMPLAINTS

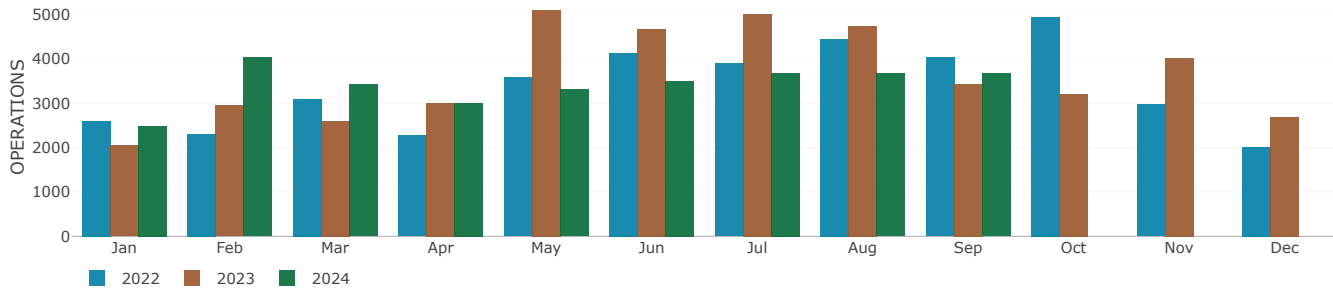
|             |                            |                       |                                    |                                  |
|-------------|----------------------------|-----------------------|------------------------------------|----------------------------------|
| <b>2024</b> | <b>1,567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

COMPLAINT DESCRIPTORS



OPERATIONS

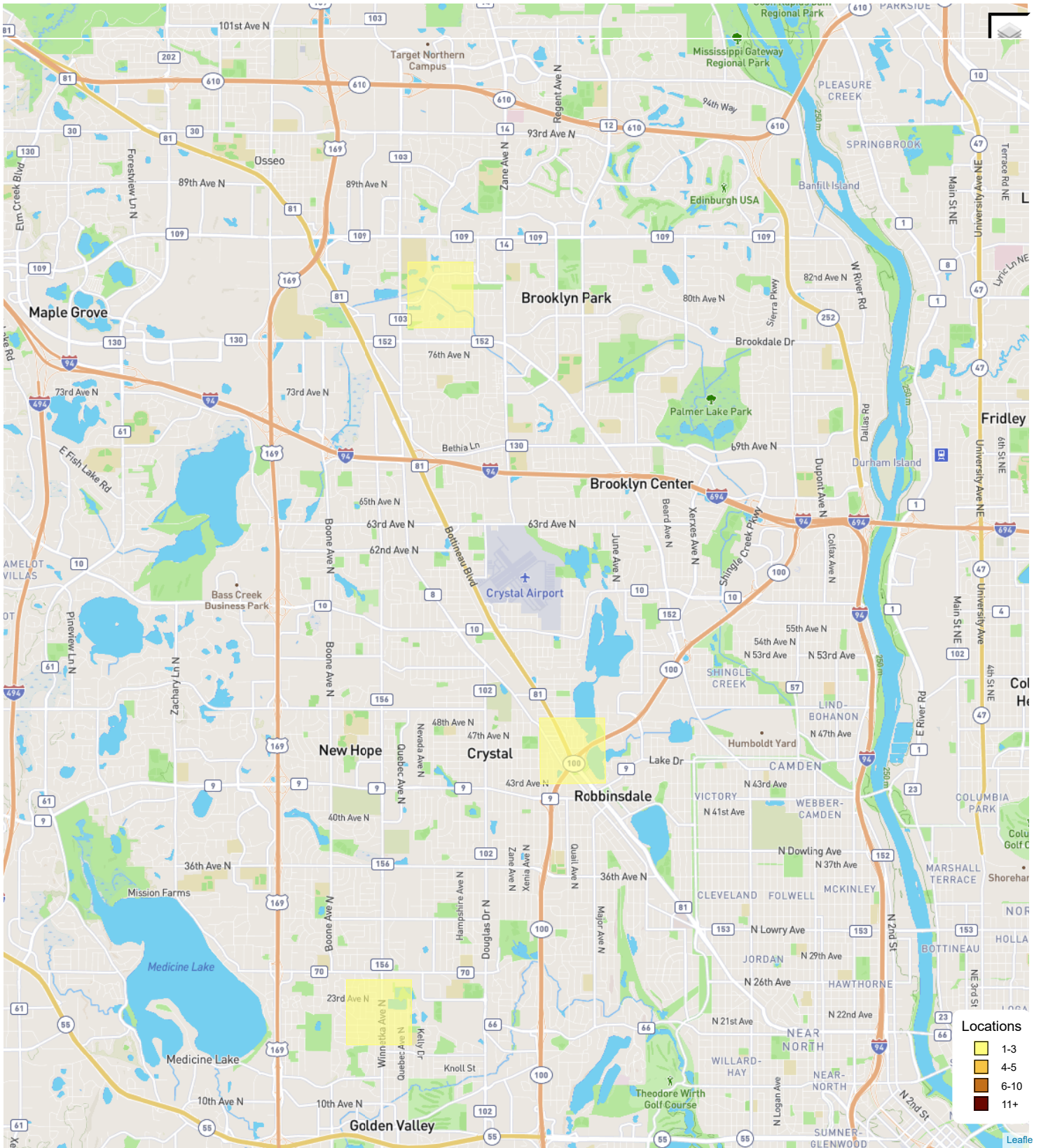
|                             |                                    |                             |                                    |
|-----------------------------|------------------------------------|-----------------------------|------------------------------------|
| <b>2024</b>                 |                                    | <b>2023</b>                 |                                    |
| <b>11,031</b><br>OPERATIONS | <b>372</b><br>NIGHTTIME OPERATIONS | <b>13,188</b><br>OPERATIONS | <b>469</b><br>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 %  |



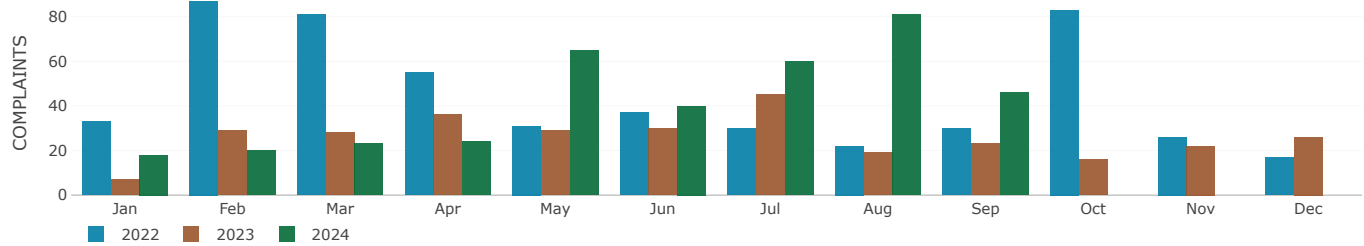
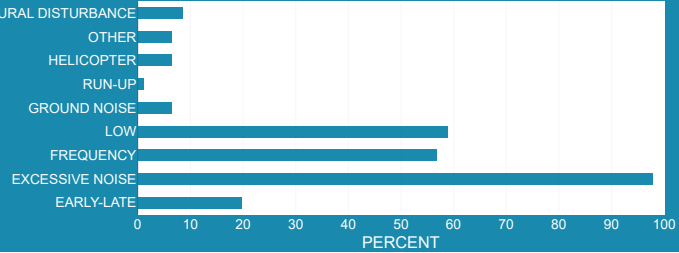
# Crystal Airport (MIC) - COMPLAINTS HEATMAP



COMPLAINTS

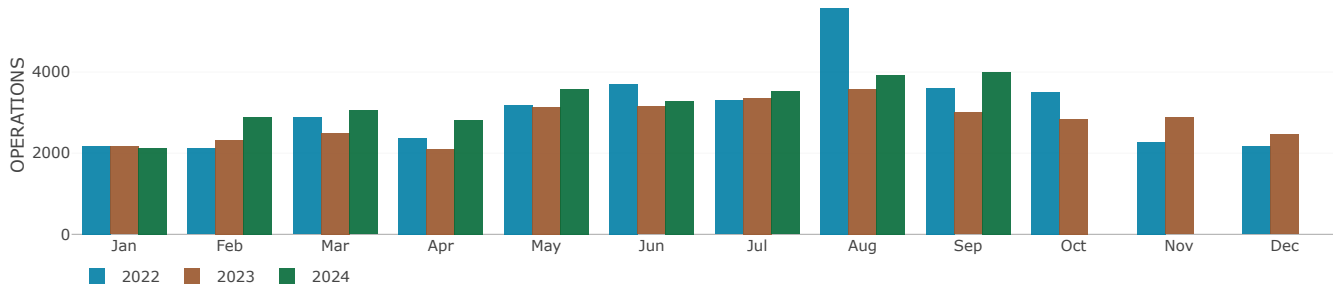
|             |                          |                        |                                   |                                   |
|-------------|--------------------------|------------------------|-----------------------------------|-----------------------------------|
| <b>2024</b> | <b>187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

COMPLAINT DESCRIPTORS



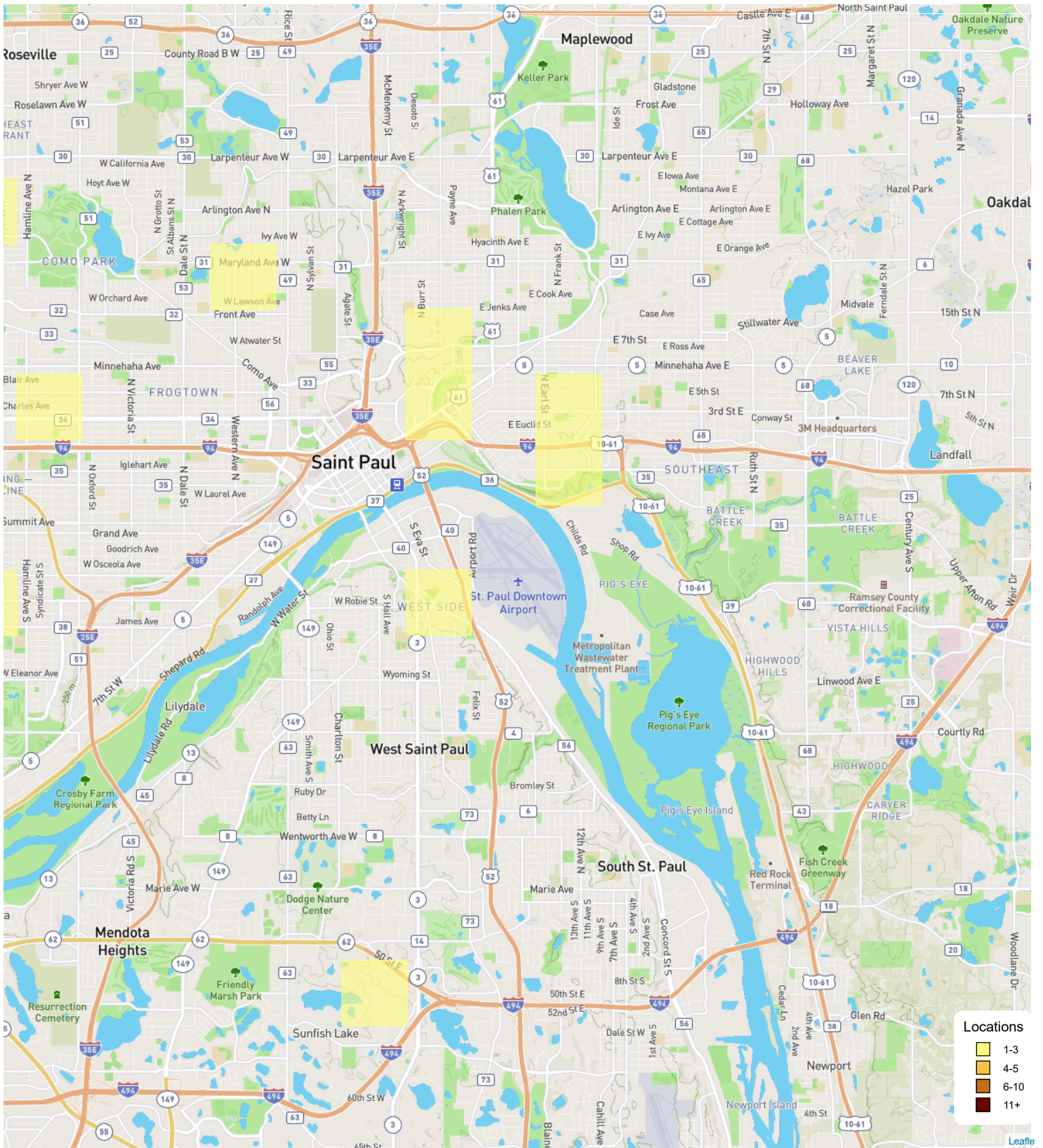
OPERATIONS

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



**Locations**

|                      |      |
|----------------------|------|
| Lightest Yellow      | 1-3  |
| Yellow               | 4-5  |
| Orange               | 6-10 |
| Darkest Orange/Brown | 11+  |