



Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Regular Meeting

May 20, 2024



Goal & Purpose of LEAAC

The goal of the LEAAC is to further the general welfare of the community and the Lake Elmo Airport through minimizing or resolving problems created by the aircraft operations at the airport.

PURPOSE:

1. advise the community and the Metropolitan Airports Commission with regard to all matters affecting the Lake Elmo Airport, the classification, rules and regulations supplied to the operation of the Airport and the development of lands adjacent to the Airport
2. cooperate with the Metropolitan Airports Commission staff in reviewing matters affecting the use and control of the Lake Elmo Airport
3. make recommendations to the Metropolitan Airports Commission regarding any proposal affecting the use or operations of Lake Elmo Airport

Agenda

- Welcome & Introductions
- Approval of Meeting Minutes
- Public Comment
- Bylaws Update
- Community Spotlight
- Airport User Spotlight
- Sound Monitoring Study Scope
- Airport Manager Update
- Follow-up on Other Topics
- Member Comment
- Review Meeting Schedule



Welcome & Introductions





Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Approval of Meeting Minutes:

February 26, 2024



Purpose of Minutes

- Record of what the body has done:
 - action taken
 - attendance
 - list of discussion topics

Public Comment

Members of the public are welcome to share their remarks with the Commission.
Please state your name and address

Limit remarks to 3 minutes





Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Bylaws Update



Bylaws Update

The MAC supports and coordinates administrative functions for four advisory commissions for the MAC General Aviation Airports.

Periodic internal review of bylaws determines if updates are needed. Changes to bylaws also may be needed based on requests.

The changes to LEAAC Bylaws are being proposed today to clarify and correct content that was identified as unclear or incorrect, and to standardize terms and procedures.

Proposed changes to LEAAC Bylaws:

- 1. Article I:** Clarify voluntary nature of membership
-this clarity was added based on dialogue with members and non-members who stated it was unclear
- 2. Article III:** Standardize all membership terms
-the intent for each advisory commission is to align the member terms to start and end on the same schedule for efficiency
- 3. Article III:** Clarify Fixed Base Operator
-this clarity was added because FBO was not defined in the document
- 4. Article V:** Standardize and clarify role of Co-Chairs to specify agenda planning, special meetings, and subcommittees
-the intent is for the role of Co-Chair to be standardized for each advisory commission, and clarification of these standard protocols was needed to achieve this
- 5. Article VI:** Correct missing footnote and typos





Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Community Spotlight





BAYTOWN TOWNSHIP

ORGANIZED 1858

This book contains the Minutes of Baytown meetings from 1858 to 1875. The book contains a record of the original meeting on October 20, 1858 by which the township was formed. Subsequent meetings reflect the election of board of supervisors. One section is devoted to roads. The board of supervisors would petition the board to lay out a road. Of note is the name Fredrick Schiesser. The Schiesser property was on Northbrook Boulevard and subsequently six generations of Schiessers lived on the property. This book also contains Town auditor board meetings 1859 to 1875.

TOWN OF BAYTOWN
WASHINGTON COUNTY
MINNESOTA

TOWN MEETING
MINUTES
1858 - 1875
Pages 1-33

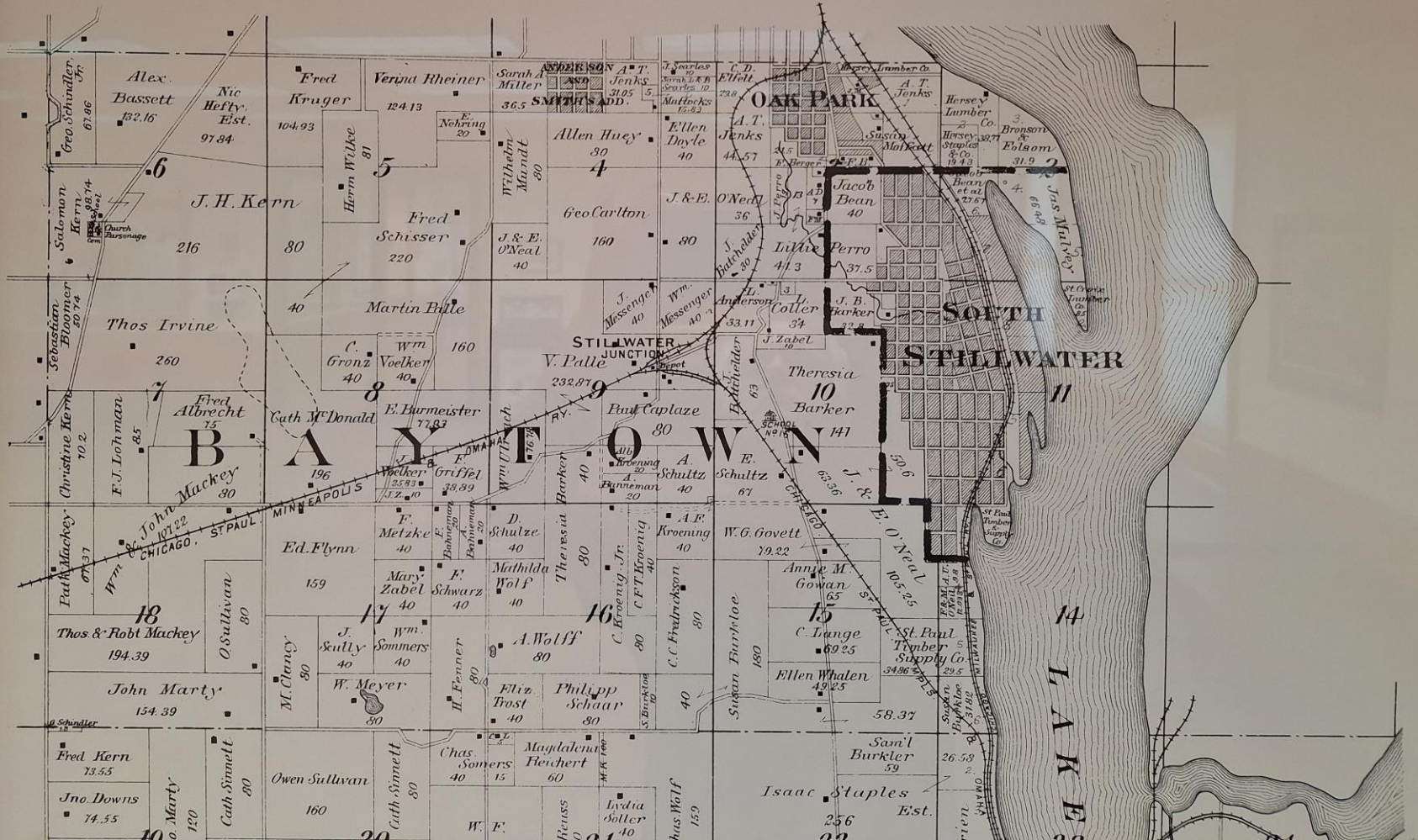
This book was found by Raymie Johnson. Raymie Johnson was a long-time mayor of Oak Park Heights. He also owned a house-moving business. Raymie found this book in a house that he was moving. He passed this book to his son, Noel Johnson. Noel Johnson and his family are Baytown Township residents and he gave this book to Baytown Neighbors so that it could be retained and enjoyed by all members of the Township.

The cabinet is made of cherry wood taken off of the Fred Schiesser farm on Lake McDonald Drive. The wood was kiln dried at Lake Elmo Hardwood and made into a cabinet by Gary Fredrickson of Fredrickson Cabinets, Roberts, Wisconsin.

PLAT OF
BAYTOWN AND LAKELAND

Township 29 North. Range 20 West.

of the 4th Principal Meridian.



IN THE
BEGINNING...



PEOPLE GET CONFUSED...



HANGING ON TO AGRICULTURE



LATELY, A BEDROOM
COMMUNITY...

Households	742
Residents	2,088
Schools	1 – St. Croix Prep
Agricultural Acres	1,342
Recreational Acres	497





THANK YOU

www.baytownmn.org

clerk@baytownmn.org

rick.weyrauch@baytownmn.org



Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Airport User Spotlight





Zach

What Zach Loves Most about Lake Elmo Airport?

Zach regularly flies throughout the year and enjoys the tight knit community of pilots at 21D. His favorite thing about 21D? It is close to home and lets him pursue his passion of flying

Zach grew up in St. Paul and dreamed of being able to fly. Befriended by a 21D pilot, Zach experienced the joy of flight with a trip to Oshkosh at age 15. He worked various jobs throughout his high school years to save money and started flight lessons. He earned a private pilot license as a freshman in college.

After graduating from college and beginning his career as an engineer, Zach began to have the resources to fly more often and started adding endorsements to his license.

As COVID-19 changed the world, Zach took on a project of bringing a Pitts S1C aircraft back to life after it had been sitting in a hangar for years. Reportedly the deal was “if you can put it together and get it airworthy, you can fly it!”

When Zach isn't up flying the tailwheel conversion C172 pictured, he is out flying the red Pitts biplane.

Zach now holds instrument and commercial ratings and is just completing his certified flight instructor certificate.





Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Sound Monitoring Scope



21D Sound Monitoring Study

- Study Scope:
 - Field Measurements
 - 3 study locations
 - Modeling
 - Use FAA approved software
 - Model same time period
- Report
- LEAAC Presentation



21D Sound Monitoring Study

- The Sound Monitoring Study will:
 - Measure and record aircraft sound levels associated with 21D aircraft activity in the areas where the equipment is placed
 - Compare and analyze measured versus modeled sound data
 - Enhance communication about sounds associated with 21D aircraft activity
- The Sound Monitoring Study will not:
 - Result in changes to aircraft operating procedures
 - Result in changes to the 65 dB DNL contour
 - Provide data for every aircraft operating at 21D
 - Provide data for aircraft NOT operating at 21D
 - Determine whether surrounding communities are compatible or incompatible with aircraft noise.





Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

Airport Manager Update

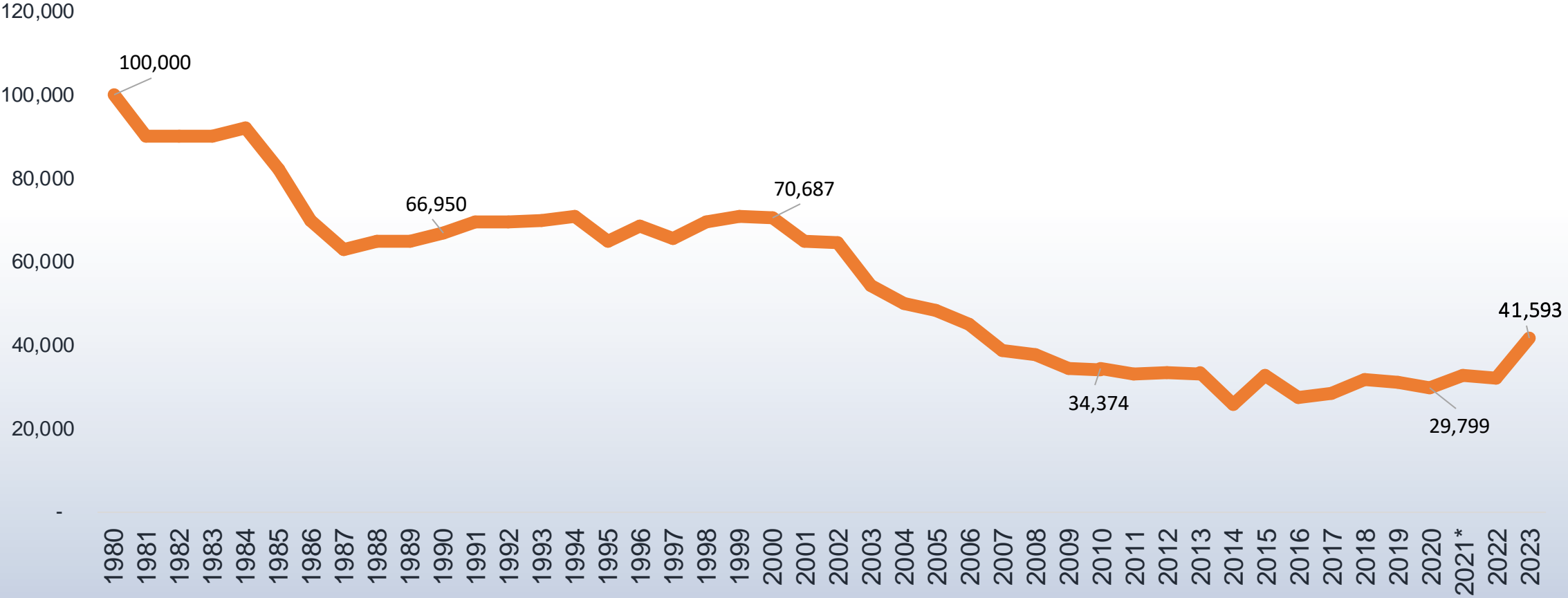


Overview:

- **21D Construction and Maintenance**
- **Aircraft Operations Trend**
- **Aircraft Noise Complaint Trends**

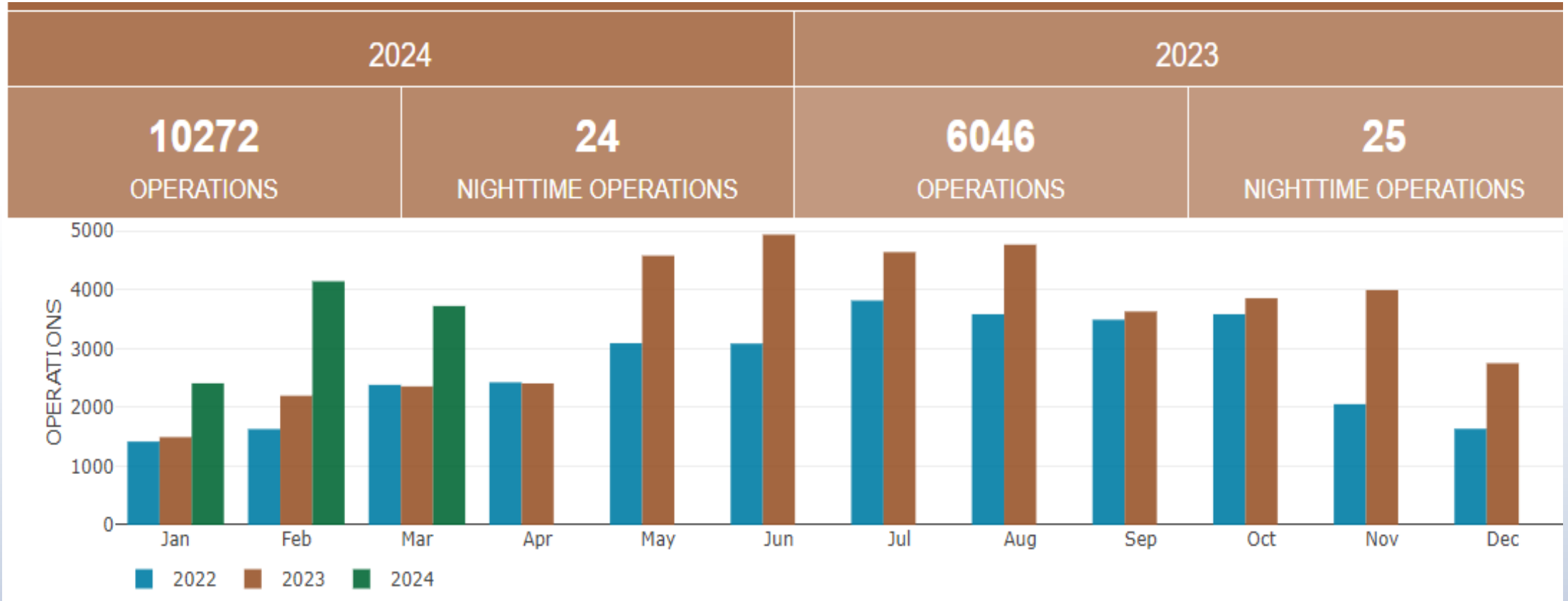


Aircraft Operations Trend

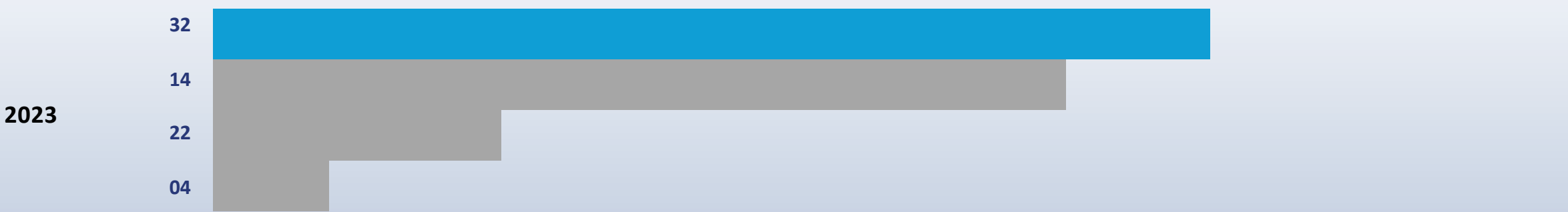
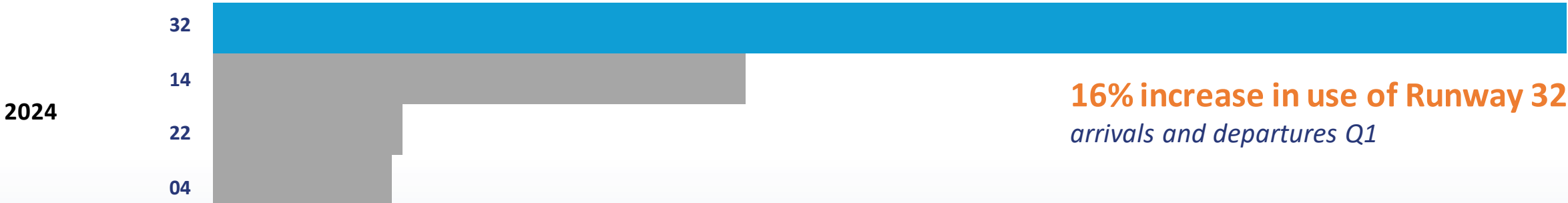


Source: Metropolitan Airports Commission
*MACNOMS processing change effective July 1, 2021

Q1 2024 Aircraft Operations



Q1 Runway Use Trend



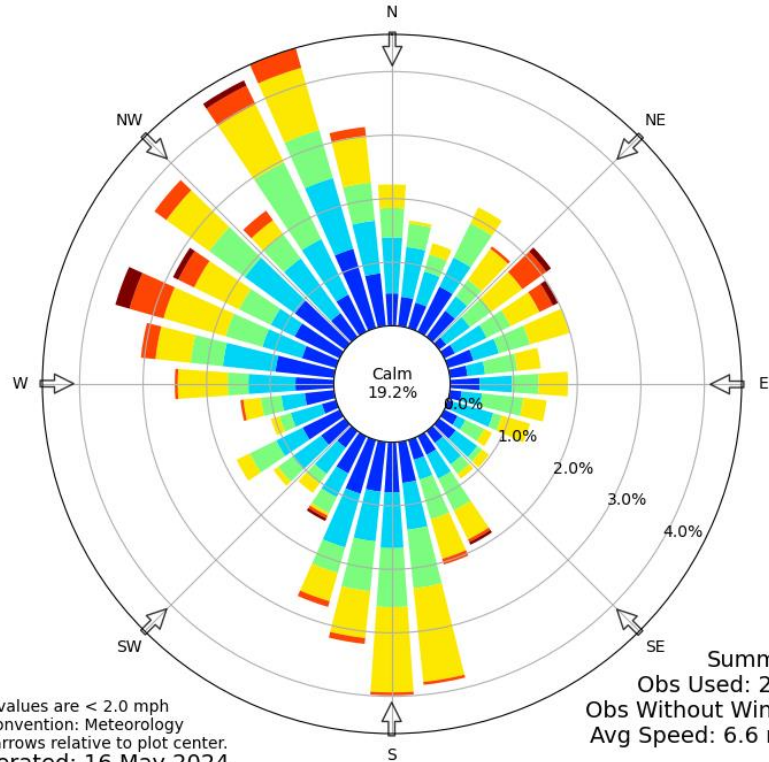
0% 10% 20% 30% 40% 50% 60%

Q1 Wind Roses

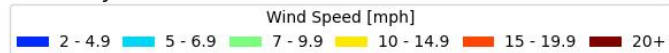
2023



Windrose Plot for [21D] St Paul / Lake Elmo
Obs Between: 01 Jan 2023 12:55 AM - 31 Mar 2023 11:35 PM America/Chicago



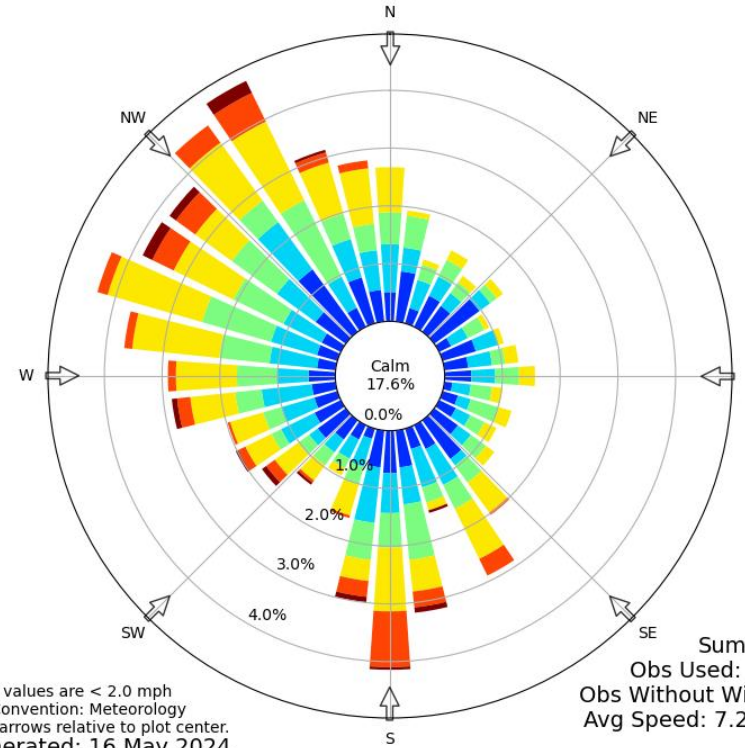
Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 16 May 2024



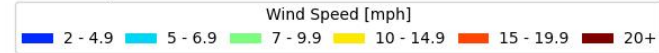
2024



Windrose Plot for [21D] St Paul / Lake Elmo
Obs Between: 01 Jan 2024 12:55 AM - 31 Mar 2024 11:55 PM America/Chicago




Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 16 May 2024

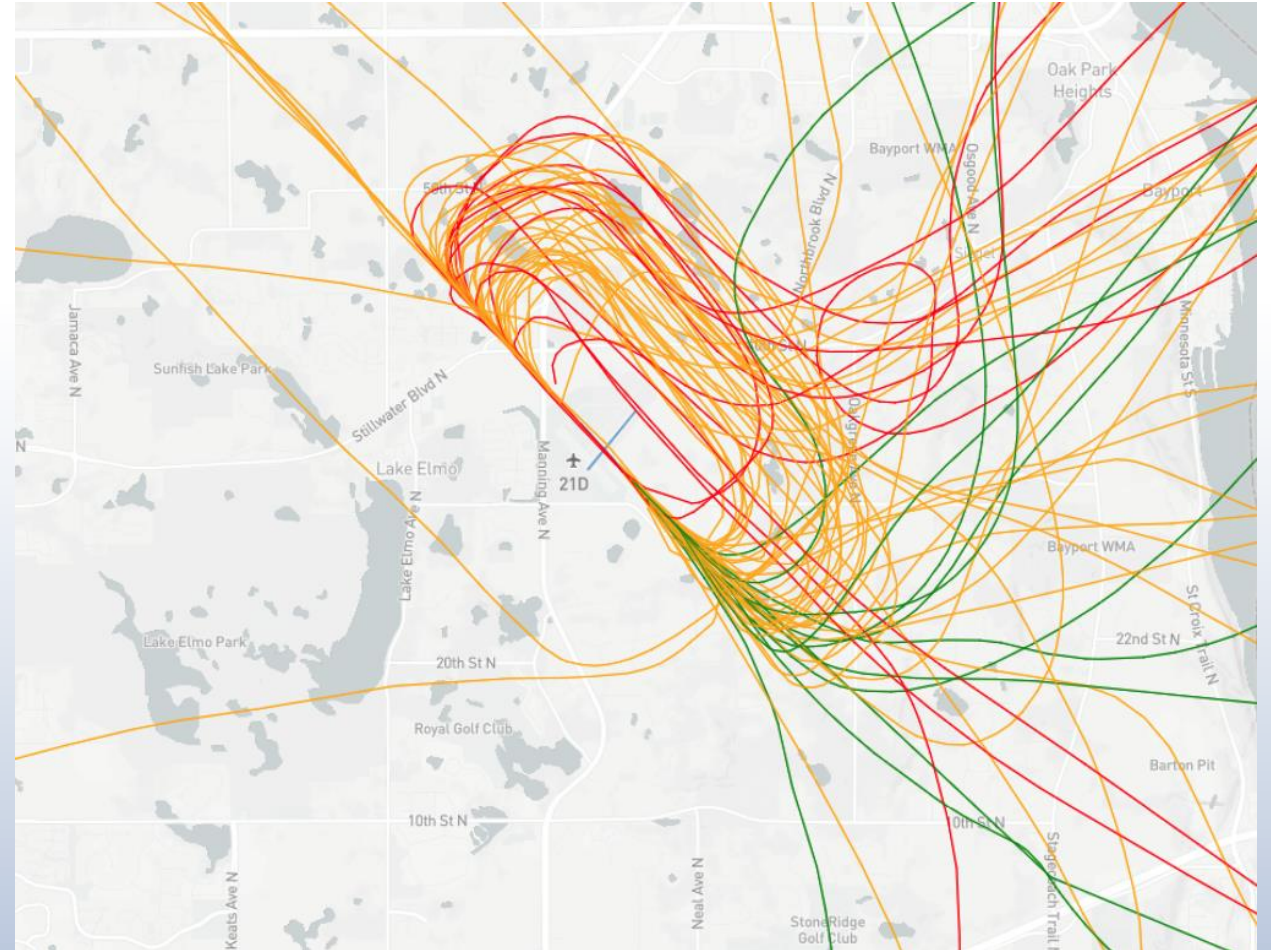
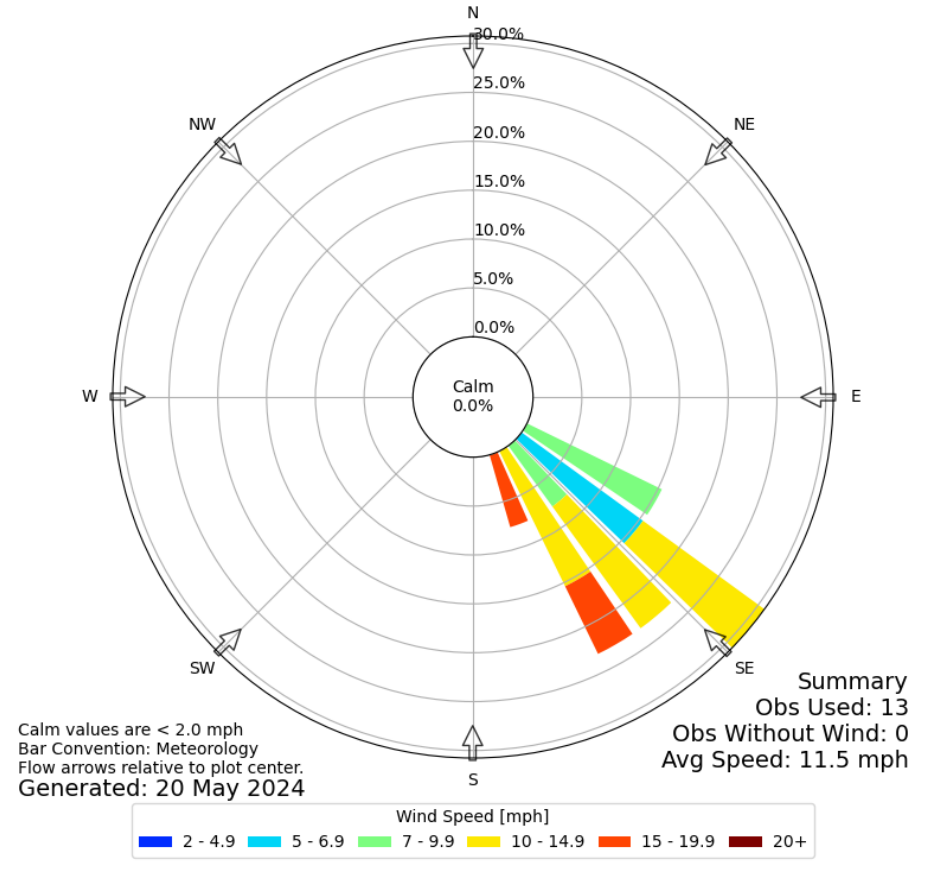


<https://mesonet.agron.iastate.edu/>



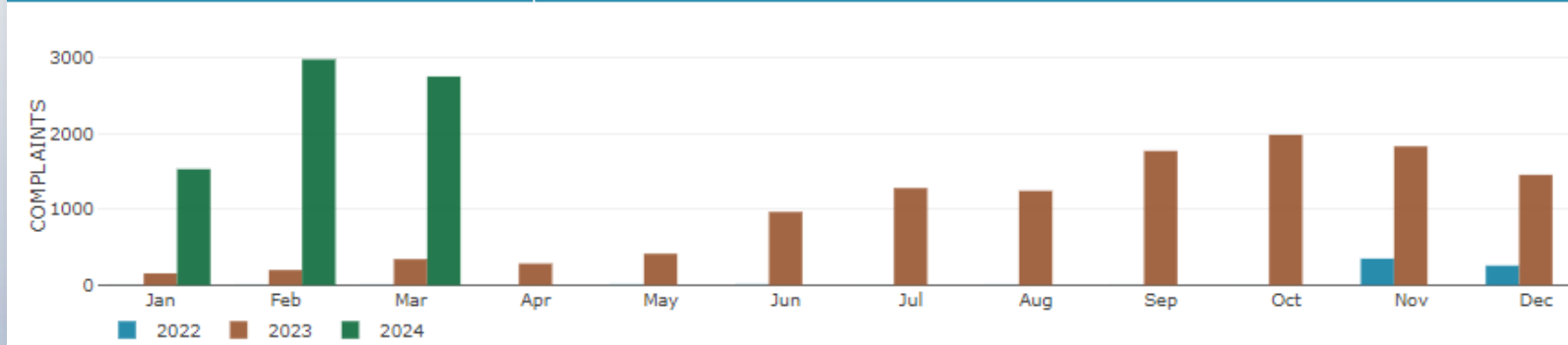
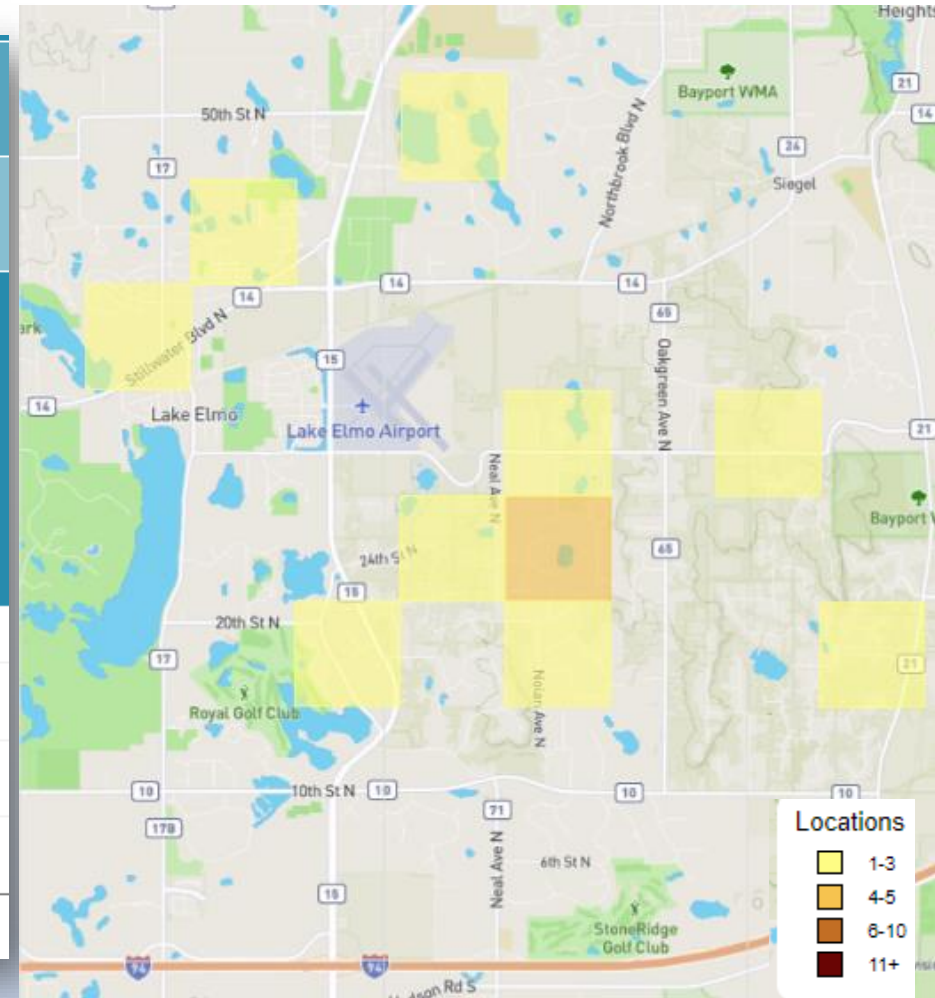
Runway 14 Use - May 6, 2024

 Windrose Plot for [21D] St Paul / Lake Elmo
Obs Between: 06 May 2024 07:55 AM - 06 May 2024 07:55 PM America/Chicago



Aircraft Noise Complaints Q1 2024

2024	7259 COMPLAINTS	19 LOCATIONS	66 NIGHTTIME COMPLAINTS	8 NIGHTTIME HOUSEHOLDS																				
2023	694 COMPLAINTS	6 LOCATIONS	15 NIGHTTIME COMPLAINTS	5 NIGHTTIME HOUSEHOLDS																				
COMPLAINT DESCRIPTORS		<table border="1"> <thead> <tr> <th>Descriptor</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>STRUCTURAL DISTURBANCE</td> <td>~8%</td> </tr> <tr> <td>OTHER</td> <td>~8%</td> </tr> <tr> <td>HELICOPTER</td> <td>~2%</td> </tr> <tr> <td>RUN-UP</td> <td>~2%</td> </tr> <tr> <td>GROUND NOISE</td> <td>~25%</td> </tr> <tr> <td>LOW</td> <td>~92%</td> </tr> <tr> <td>FREQUENCY</td> <td>~80%</td> </tr> <tr> <td>EXCESSIVE NOISE</td> <td>~95%</td> </tr> <tr> <td>EARLY-LATE</td> <td>~2%</td> </tr> </tbody> </table>			Descriptor	Percentage	STRUCTURAL DISTURBANCE	~8%	OTHER	~8%	HELICOPTER	~2%	RUN-UP	~2%	GROUND NOISE	~25%	LOW	~92%	FREQUENCY	~80%	EXCESSIVE NOISE	~95%	EARLY-LATE	~2%
Descriptor	Percentage																							
STRUCTURAL DISTURBANCE	~8%																							
OTHER	~8%																							
HELICOPTER	~2%																							
RUN-UP	~2%																							
GROUND NOISE	~25%																							
LOW	~92%																							
FREQUENCY	~80%																							
EXCESSIVE NOISE	~95%																							
EARLY-LATE	~2%																							



Source: Metropolitan Airports Commission

Lake Elmo Airport



ADVISORY COMMISSION



Lake Elmo Airport
ADVISORY COMMISSION
LEAAC

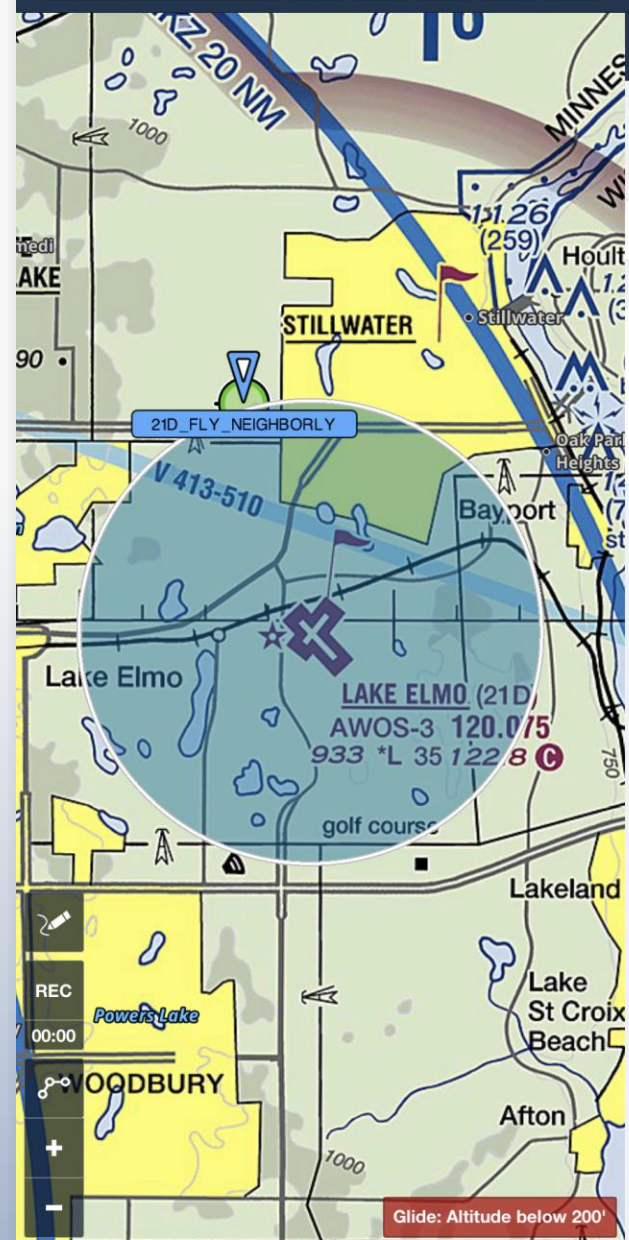
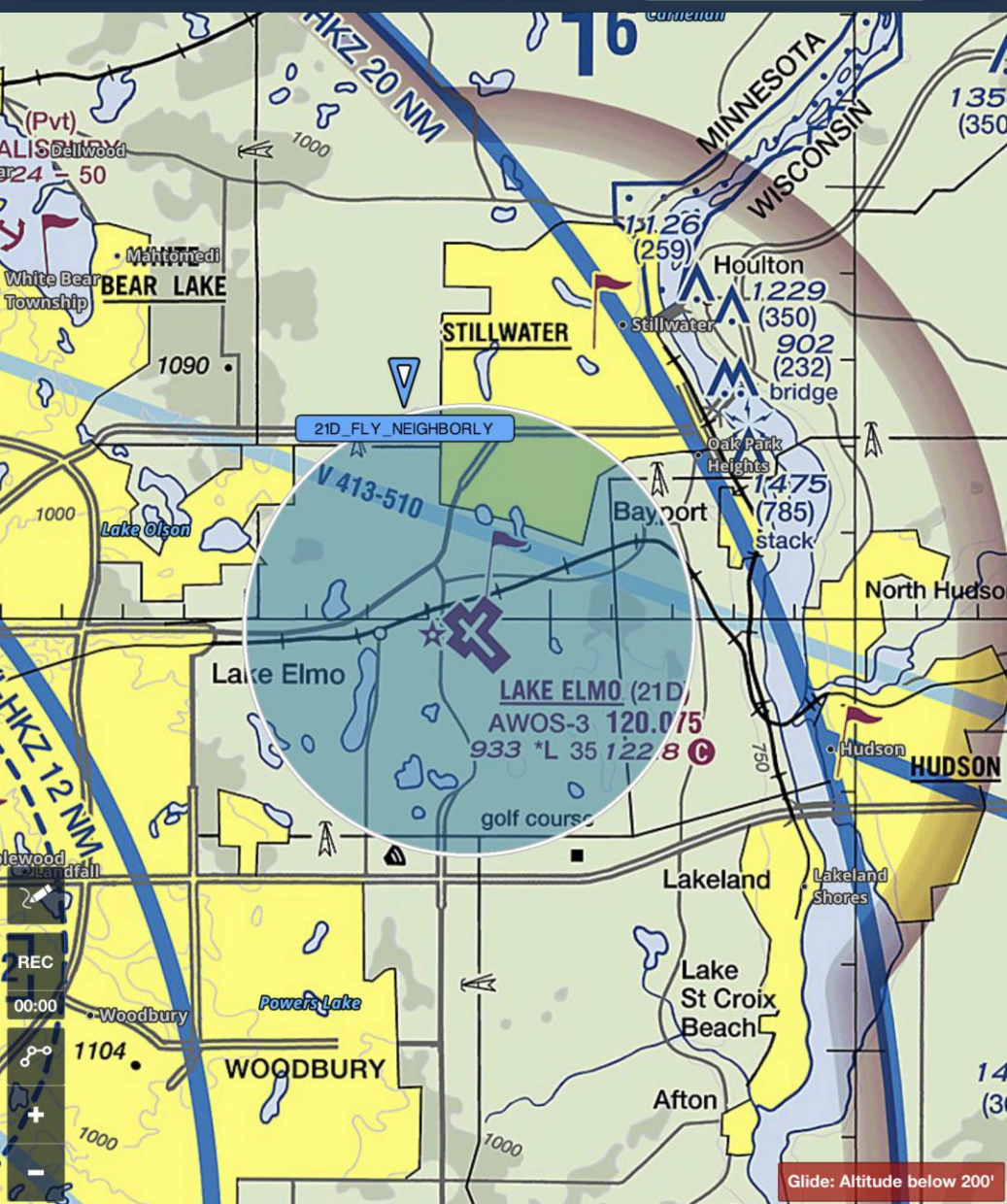
Follow-up on Other Topics



Overview:

- **Aviation Fuel**
- **Noise Abatement Recommended Practices Outreach**





Close 21D_FLY_NEIGHBORLY

Direct To Add to Route Hold... Wx Forecast

WAYPOINT INFORMATION

Name 21D_FLY_NEIGHBORLY

LOCATION INFORMATION

Mag Var 0°W

Coordinates 45.04°N/92.87°W

Bearing To 17.7 nm at 60°M

Member Comments



Next LEAAC Meetings:

August 26, 2024

November 25, 2024



Thank you for joining us!