

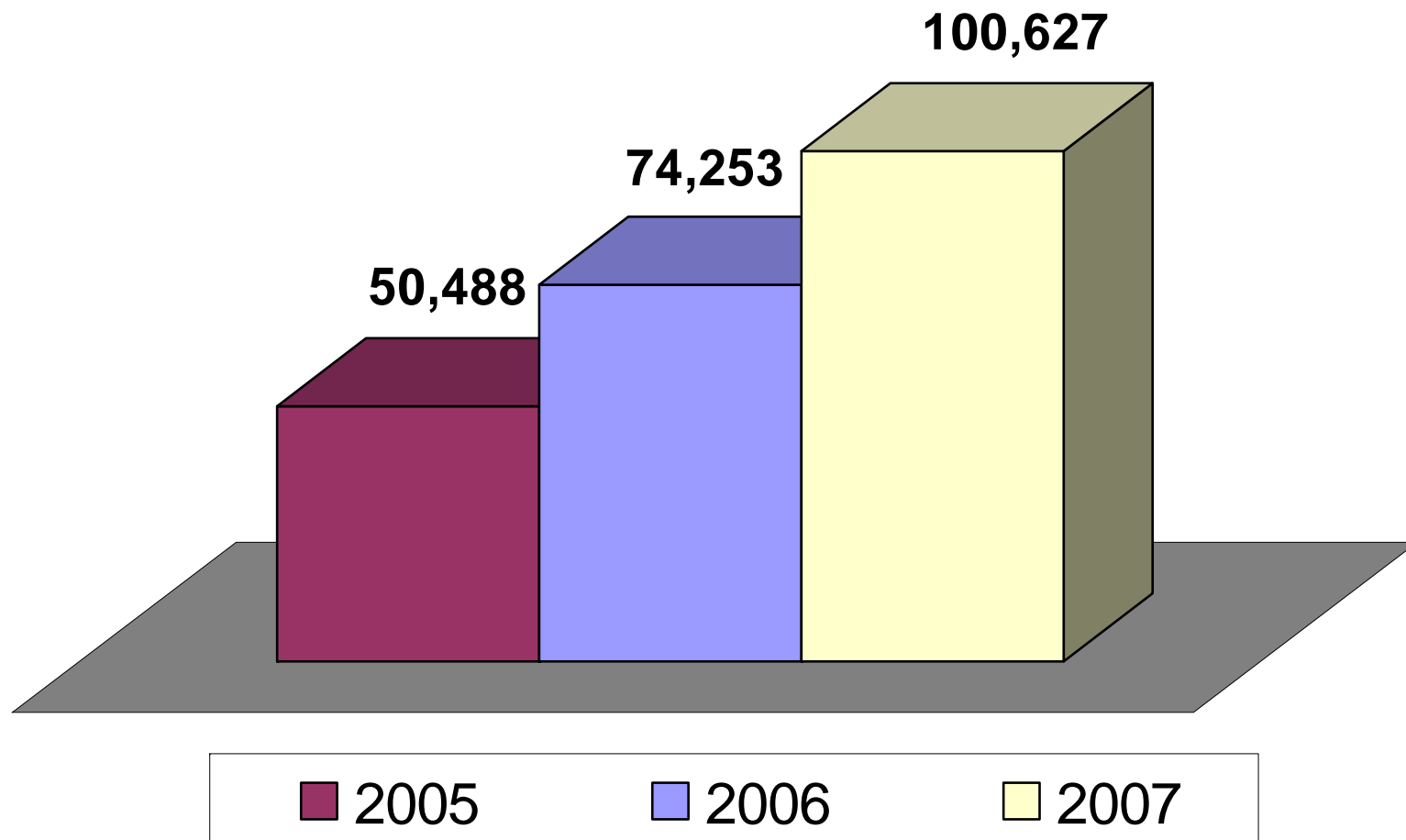
Airport Noise Mitigation

Salem City Council Meeting
January 22, 2008

Presented by Alan Alexander, Airport Administrator



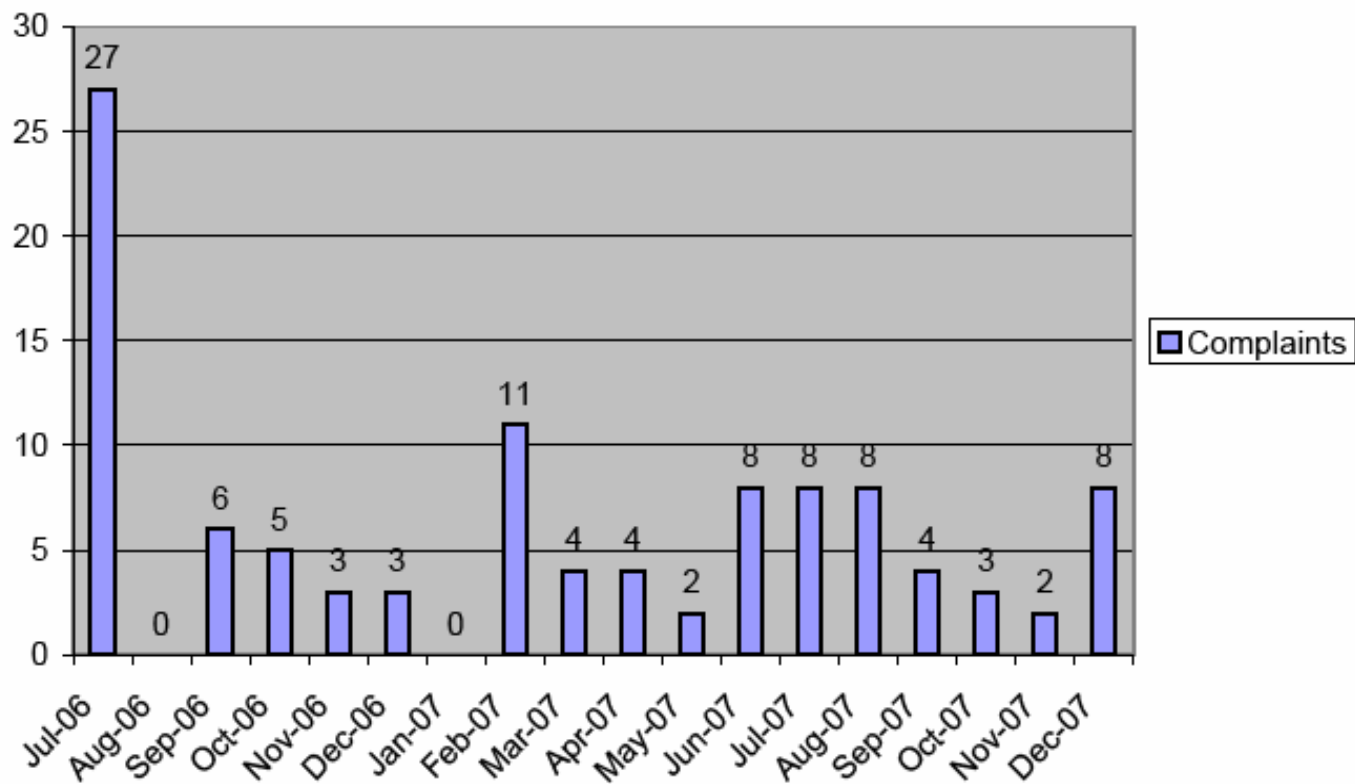
of Operations per Calendar Year

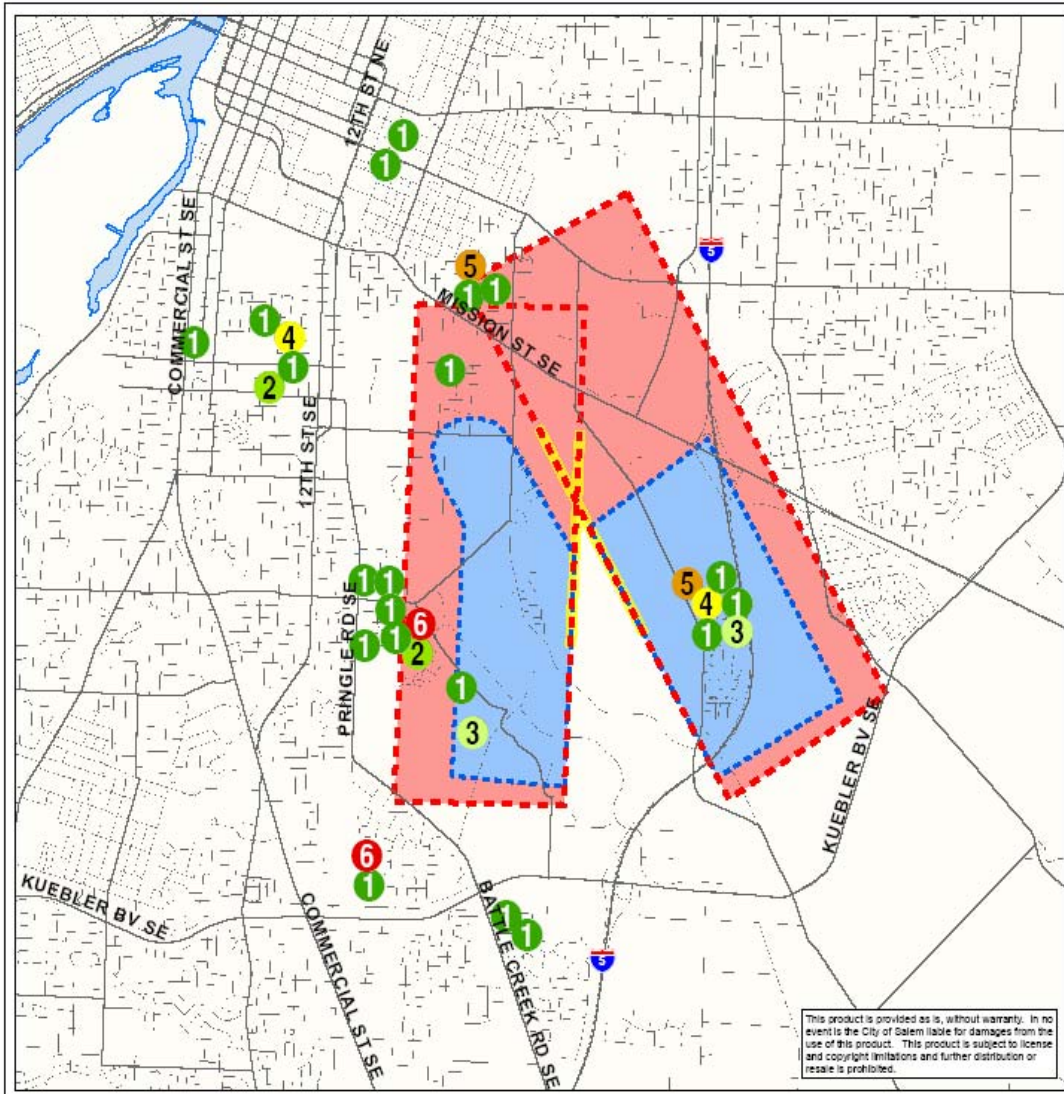


Between July 2006 and Dec. 2007

- There were 106 complaints from 61 separate households.
- The majority of noise complaints were helicopters.
- Considering 548 flying days, 69 of these had a complaint submitted (13%).

Salem Airport Noise Complaints July 2006 through December 2007





2007 Salem Airport Noise Complaints



Typical small fixed wing & helicopter traffic pattern *

Silver State noise abatement traffic pattern

Airport Runways

Noise Complaints (two separate, single complaints from West Salem were received but are beyond the extent of this map)

1 Number of complaints received from location identified

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Helicopter patterns are 500 feet above ground level (AGL)
 Small to medium sized fixed wing patterns are 1000 feet above ground level (AGL)

* NOTE:
 Traffic patterns expand relative to size & speed of aircraft.
 Pattern shown is small end of scale.

Aerial flown March 10, 2005



Created 01-17-08





Noise Mitigation Policy

- Air Traffic Control (ATC) Tower Coordination
- Cooperation with Aviation Users
- Public Awareness
- Identifying growth challenges

Air Traffic Control (ATC) Coordination

- ATC notification of noise concerns
- Increased ATC awareness
- Noise sensitive areas
- Revised Noise Abatement Policy



Difference between Current and Proposed Airport Noise Abatement Policy

CURRENT POLICY

FLY FRIENDLY –
STAY HIGH

AVOID OVERFLIGHT
OF THE TRAILER
PARK LOCATED
SOUTHEAST OF THE
AIRPORT.

Proposed Policy

- Pilots should avoid low flight over residential areas and be aware of rising terrain west of the airport.
- Pilots are requested to limit traffic pattern training flights between 10 PM and 7AM

Airport regulations aimed at limiting noise levels must meet three criteria:

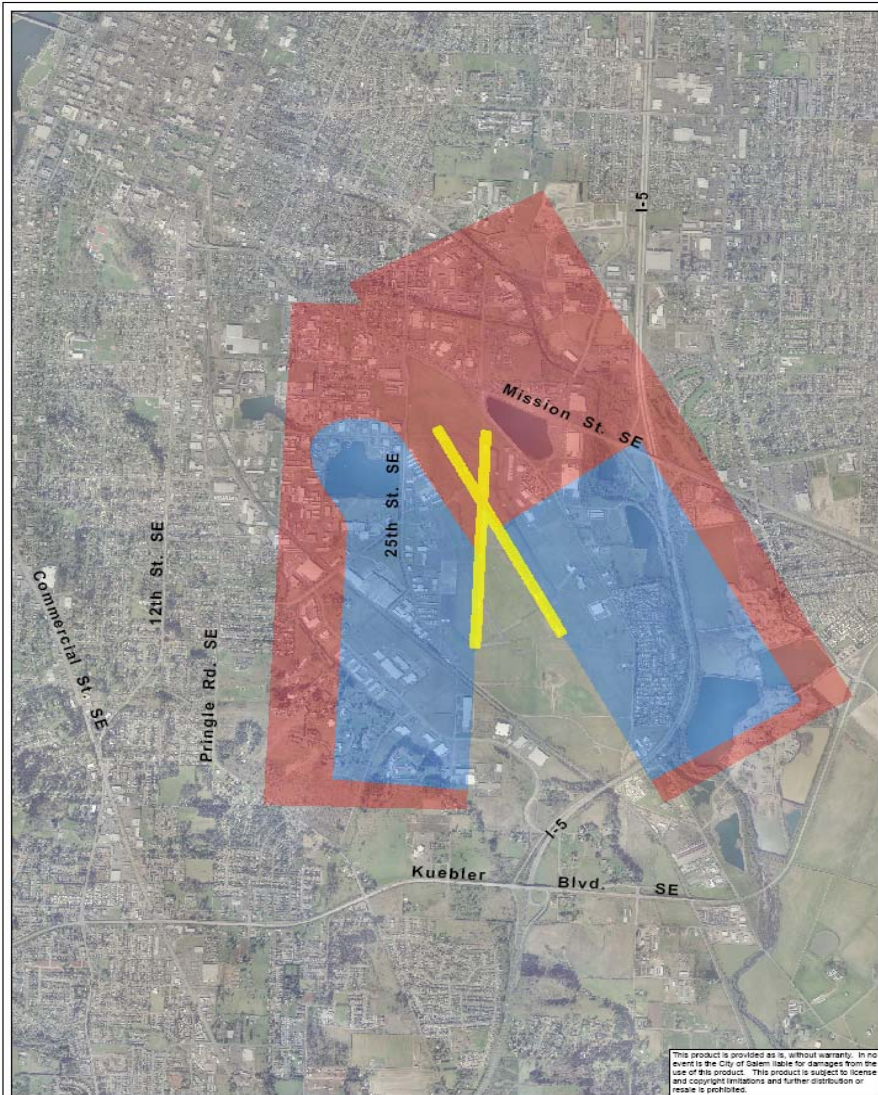
- They must be reasonable.
- They can not be arbitrary or unduly discriminatory among diverse airport users [i.e. between air carriers and general aviation or between jet aircraft and piston aircraft].
- They must not burden interstate commerce.

Cooperation with Aviation Users

- Specialized noise mitigation traffic patterns
- Voluntary reduction in training activities
- Restrictions on night training
- Coordination with other civil helicopter operators
- National Guard cooperation



Silver State Noise Abatement Patterns



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Traffic Patterns

- Typical small fixed wing & helicopter traffic pattern *
- Silver State noise abatement traffic pattern
- Airport Runways

Helicopter patterns are 500 feet above ground level (AGL).
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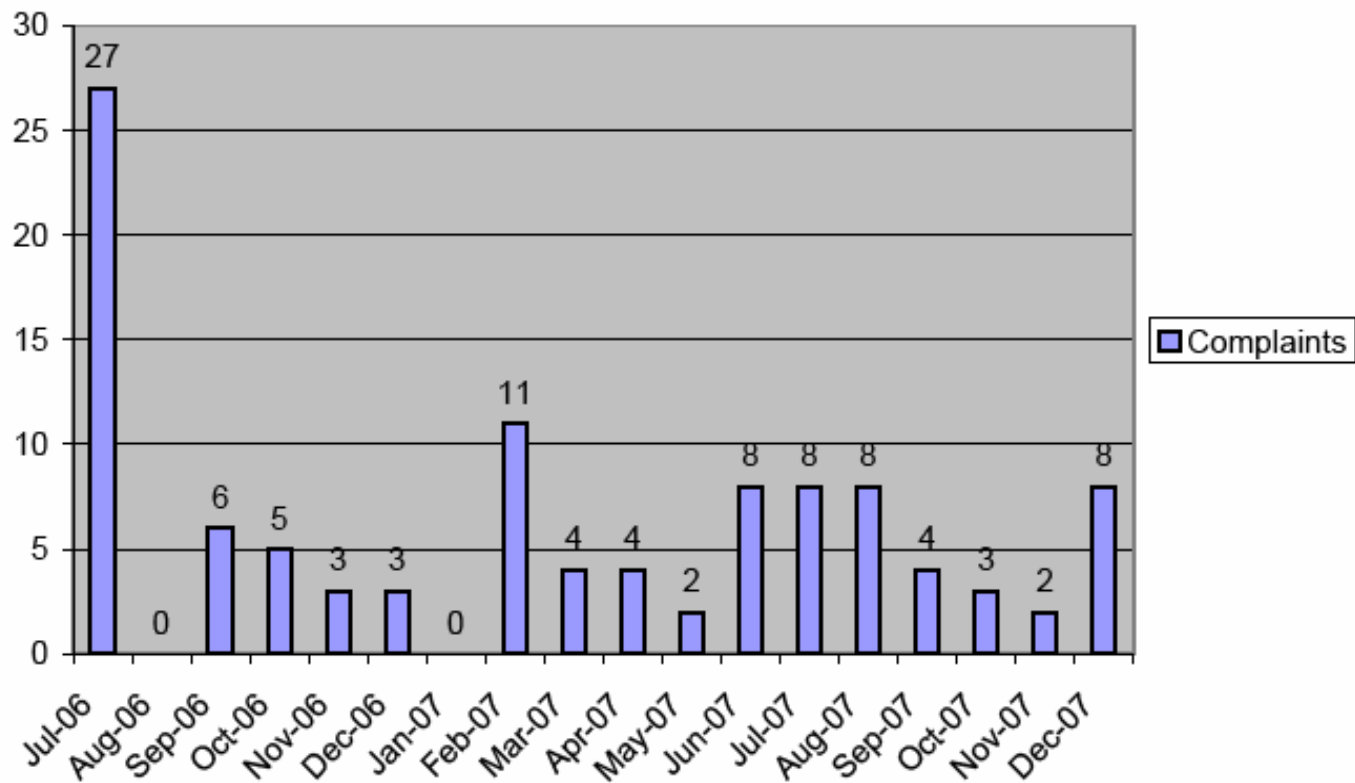
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Cooperation with Aviation Users

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Salem Airport Noise Complaints July 2006 through December 2007



Public Awareness

- Easy web access to register complaints
- Responsive Airport staff
- Neighborhood Association involvement
- Airport noise documentation
- Periodic Airport Newsletter



Identifying Growth Challenges

- Update Airport Master Plan
- Plan for residential development
- Buyer notification
- Avigation (overflight) easements
- FAA Part 150 Noise Study

Conclusion

- Aggressively manage issue
- Proactively looking for ways to manage long term growth

