Aircraft Noise at the Renton Airport

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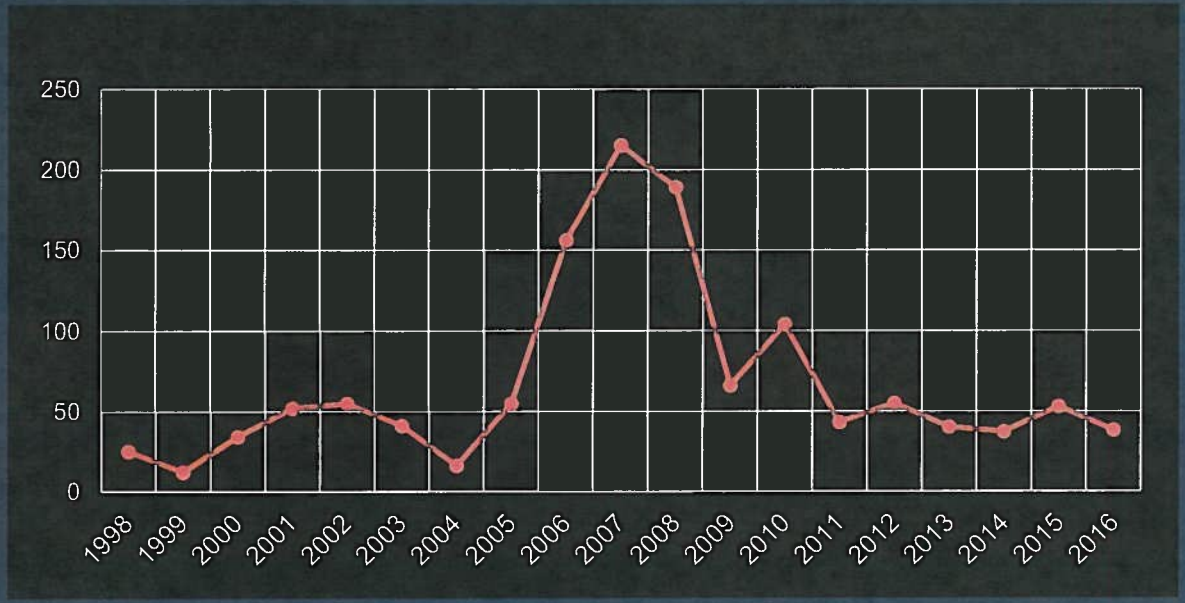
Airport Intern

The Data

- February 25th, 1998 – August 8th, 2016
- 1286 Complaints (Legitimate)
- Submitted by email/phone
- Collect a lot of info
  - -Date/Time
  - -Address
  - -Contact Info
  - -Aircraft Description
  - -Concern (noise/ safety, etc.)

Year	Number of complaints
1998	25
1999	12
2000	34
2001	52
2002	55
2003	41
2004	16
2005	55
2006	156
2007	215
2008	189
2009	66
2010	104
2011	43
2012	55
2013	40
2014	37
2015	53
2016	38
Total Complaints	1286

Data by the Year



- Down from the mid 2000s
- Spike caused by repeat callers/special events

Average Through the Year

- Spike during months of good weather
  -Flight training
- “Loud engines” & “small aircraft”

Good Weather = More Complaints

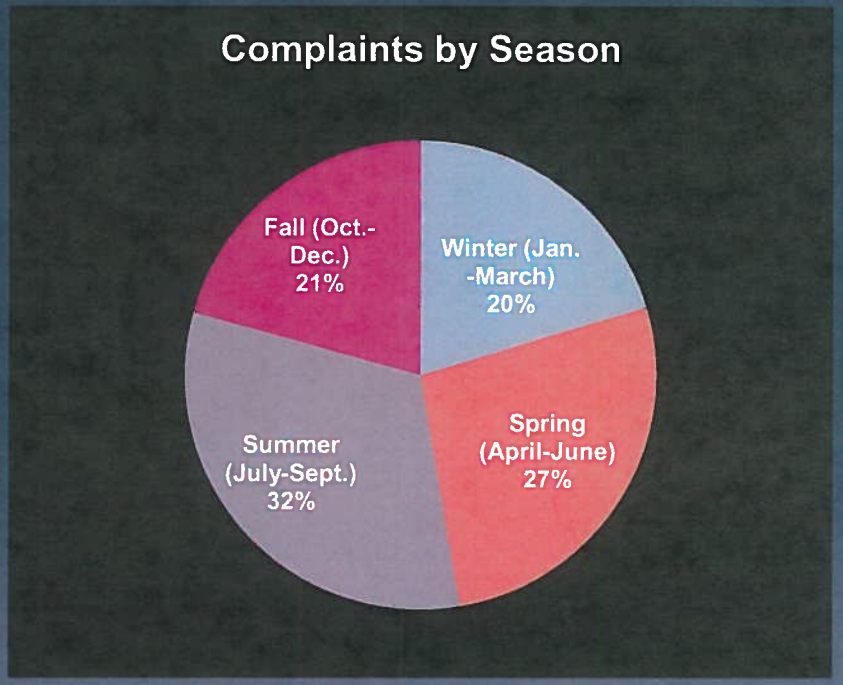
Two Contributing Factors

Airport Activity

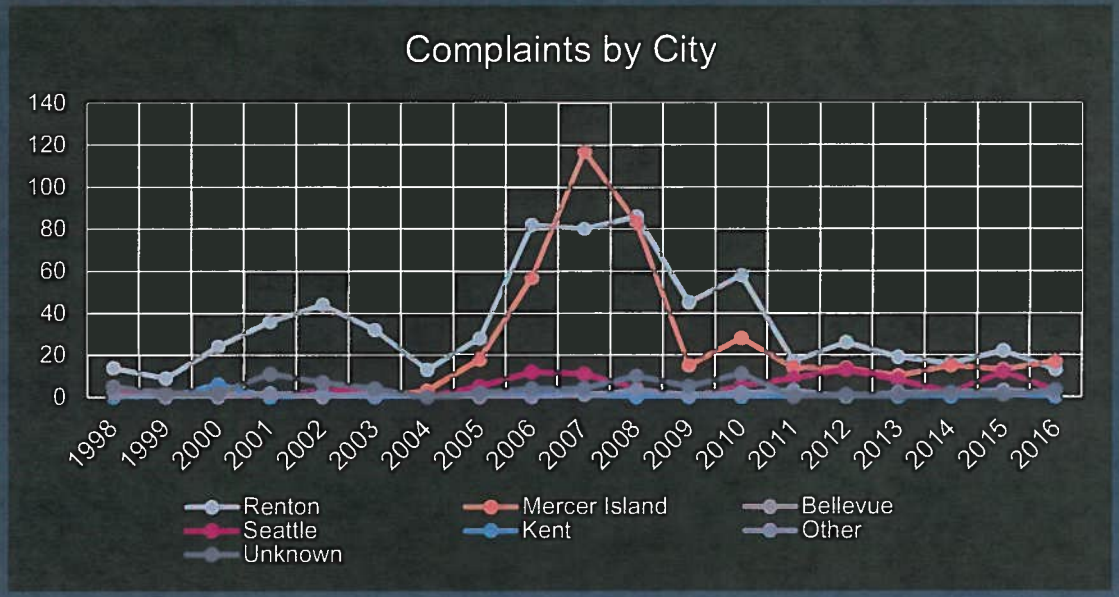
- More aircraft in the sky
- More flight training

Community Activity

- People are outside
- Windows are open
- No school



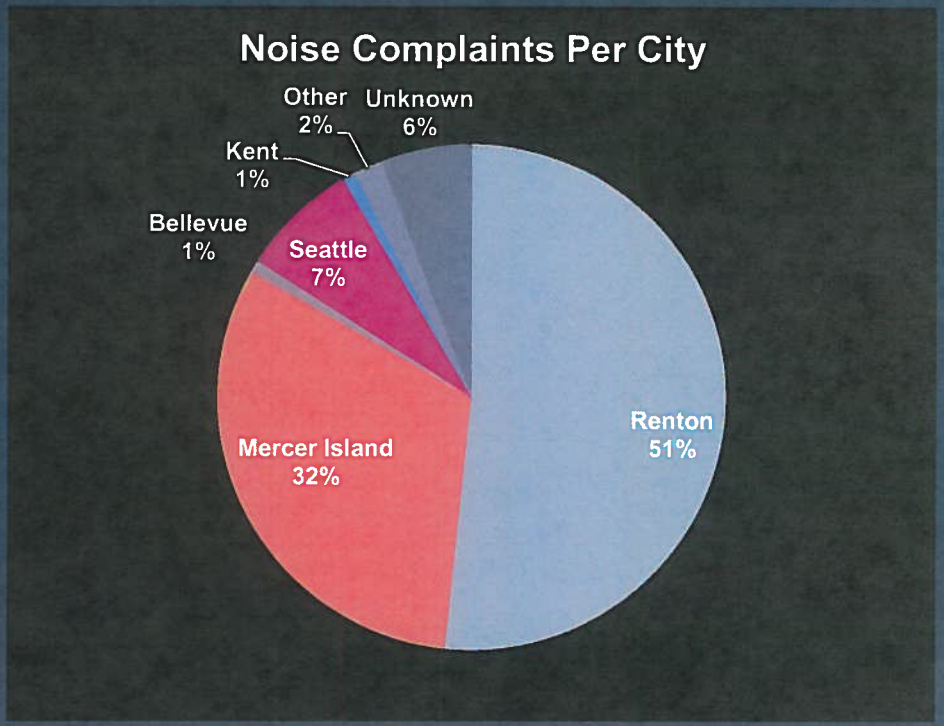
Complaints by City



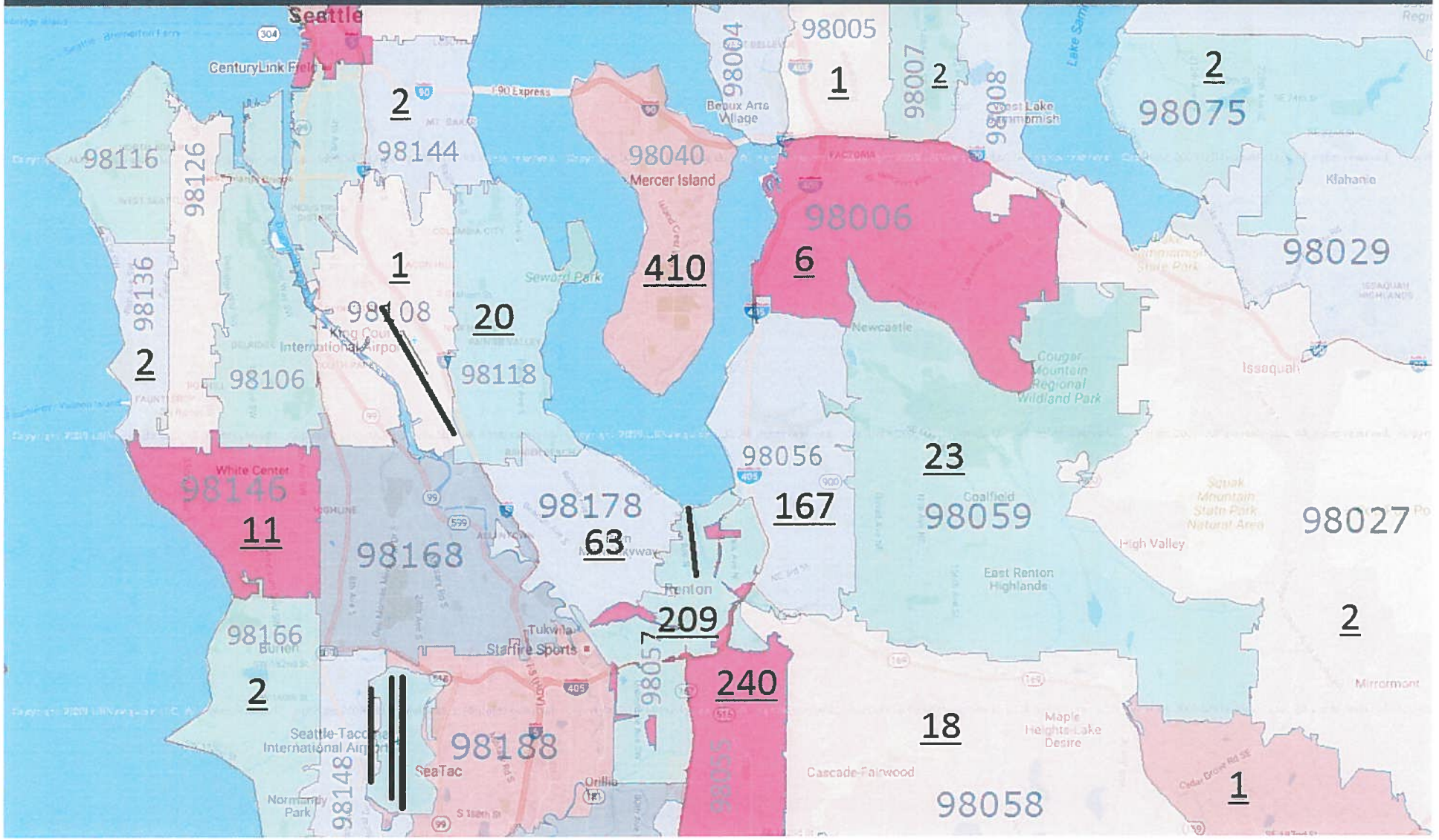
- More complaints from locales nearer the Airport – as expected
- Complaints in line with Runway 16/34 (Mercer Island, Renton East Hill)

Complaints by City

- 29 Zip codes
- Range from 1-410
- Higher number of complaints closer to the airfield
- Complaints also generated by aircraft not operating out of Renton



Complaints by Zip Code



Info can be Somewhat Skewed

Mercer Island

- 410 total complaints in 18 years
  - -4 addresses submitted 51% of the complaints
  - -2 of these submitted 36% of the complaints

Renton

- 664 total complaints in 18 years
  - -1 address submitted 9% of the complaints

Where do we go from here?

- Continue tracking data
  - -Peter will continue breaking down data to find patterns
  - -Would like to start tracking weather with complaints
- Continue communicating with pilots about voluntary noise abatement procedures
- Respond to complaints with information about why people are hearing aircraft (weather, training, engine runs)
- For those concerned about safety, explain procedure that keep us safe (ATC, approach paths, pilot rest laws, etc)