ANCCG Meeting Sep-18

FY18 Noise Management Report

By Laura McNeill



Designation 1100 Requirements

- Condition 9(b) requires the Airport to Prepare an Annual Noise Management Report containing
 - Results from noise monitoring (3 permanent monitors)
 - The Actual Noise Contours (ANC) to determine compliance
 - The Annual Aircraft Noise Contours (AANC) for projected aircraft activity to determine offers for the sound insulation programme
 - Summary of past and future noise reduction initiatives (new)
- The report also includes a summary of the following:
 - Air traffic records
 - Flight path diagrams
 - Noise complaints
 - Engine testing noise



Air Traffic Records

Flight Paths

Measured Noise Levels

2018 Actual Noise Contour

2019 Annual Aircraft Noise Contou

Engine Testing Noise

Noise Complaints

FY18 Noise Management Report

FY18 Air Traffic Records Air Traffic

1% to
172,627
Since FY17

 Night-time

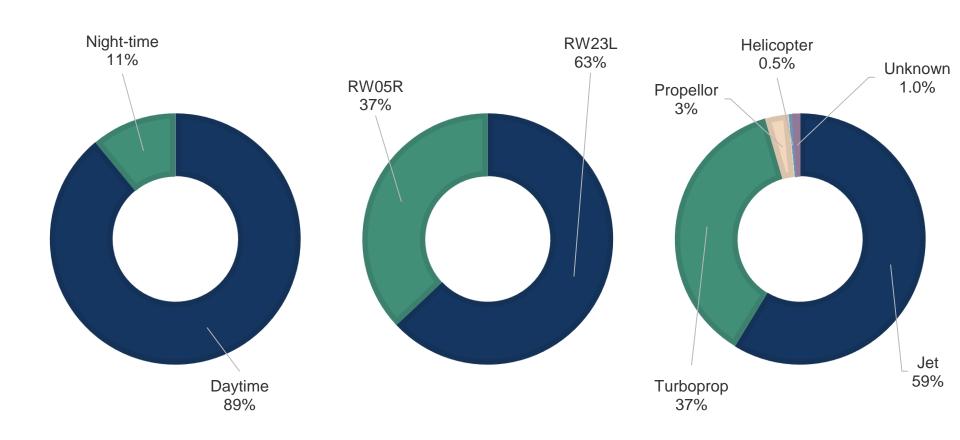
↓ 1% to

19,544

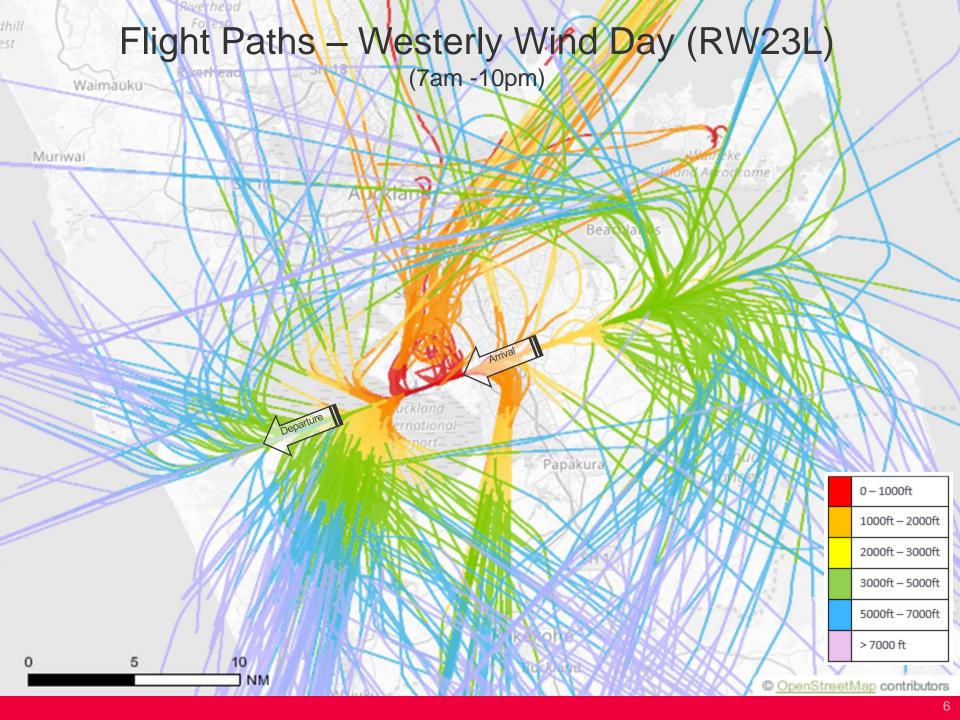
Since FY17

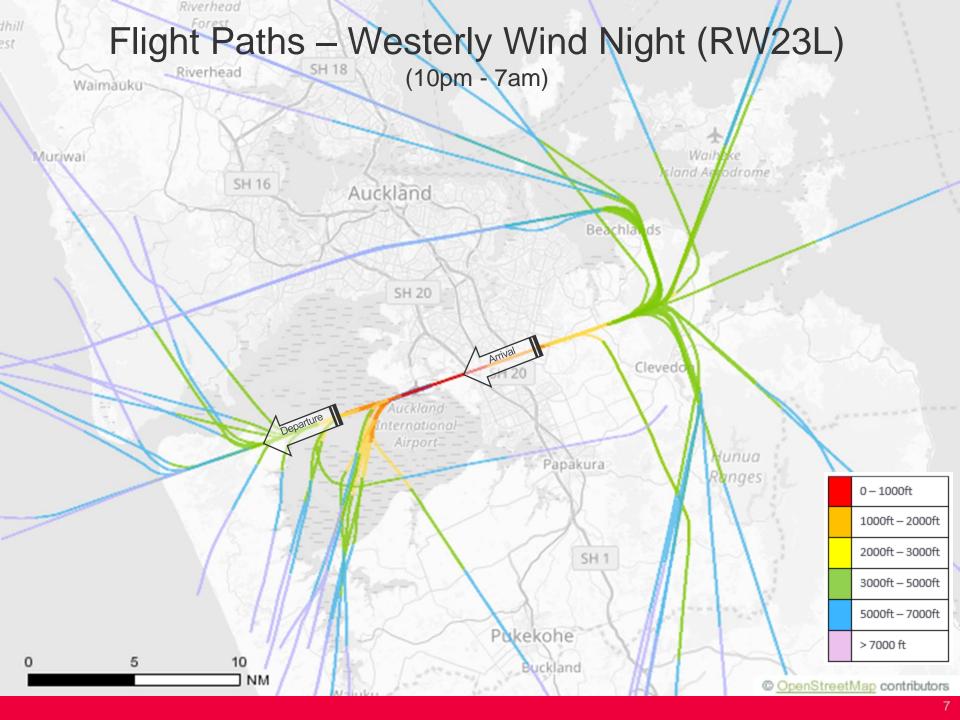


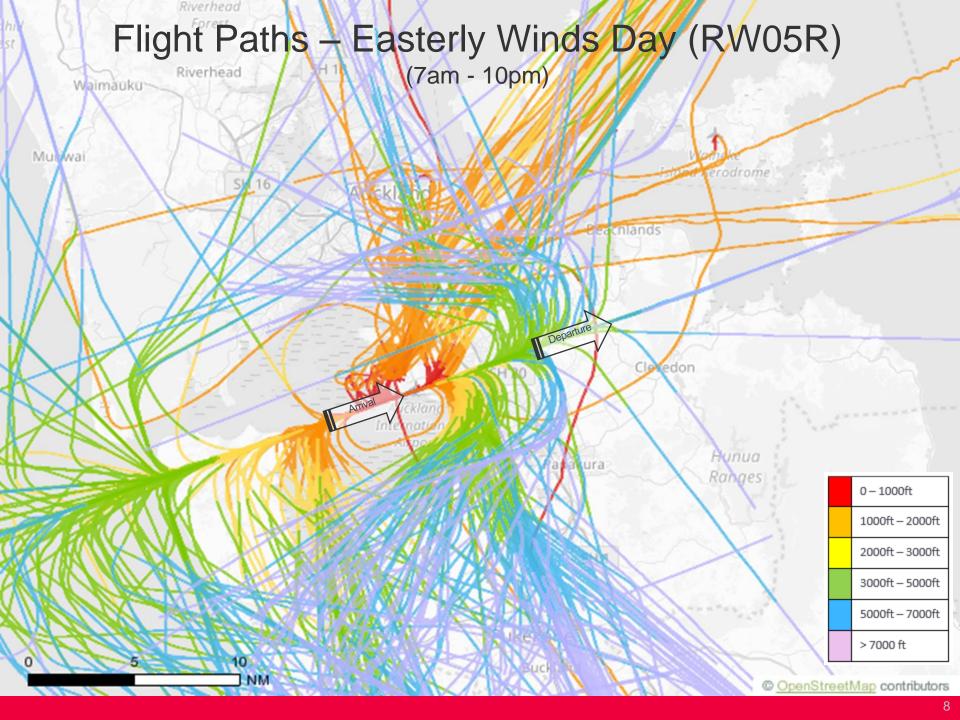
Breakdown – Air Traffic FY18

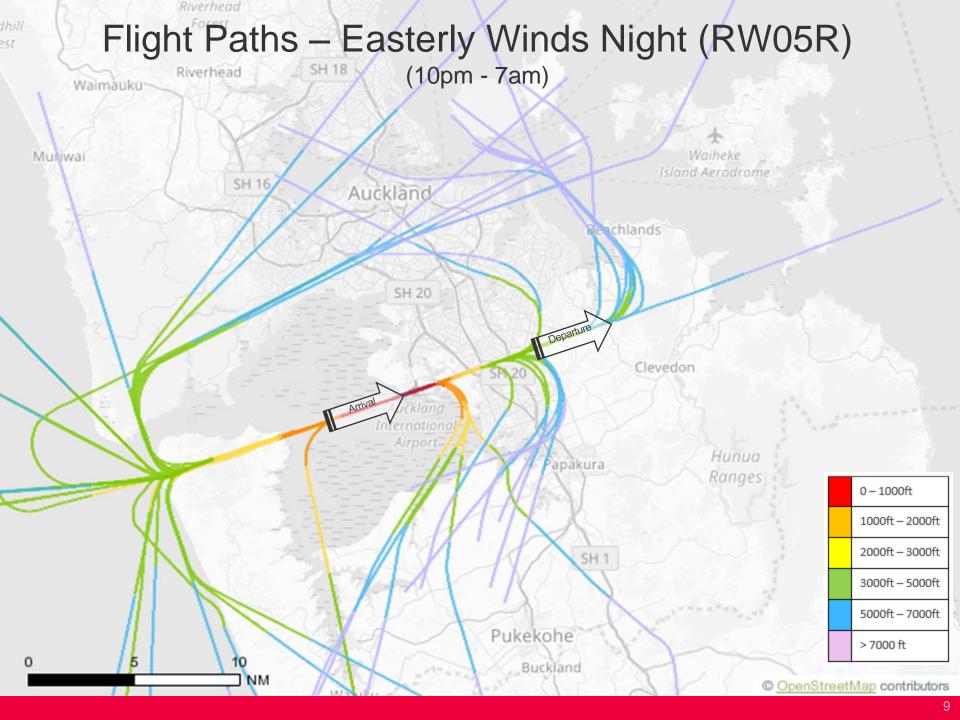


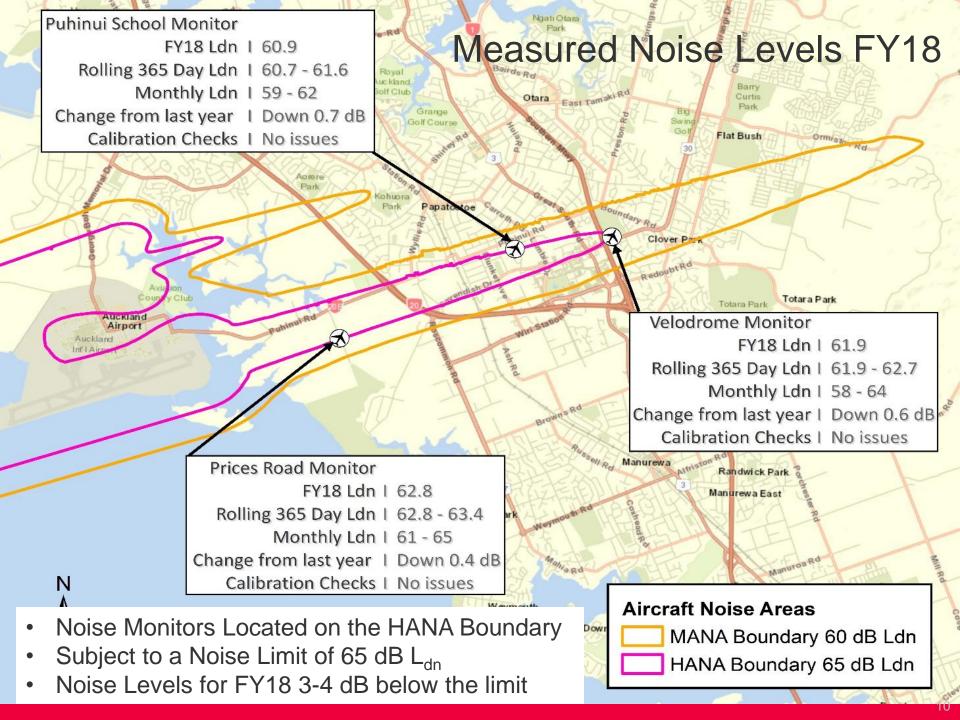


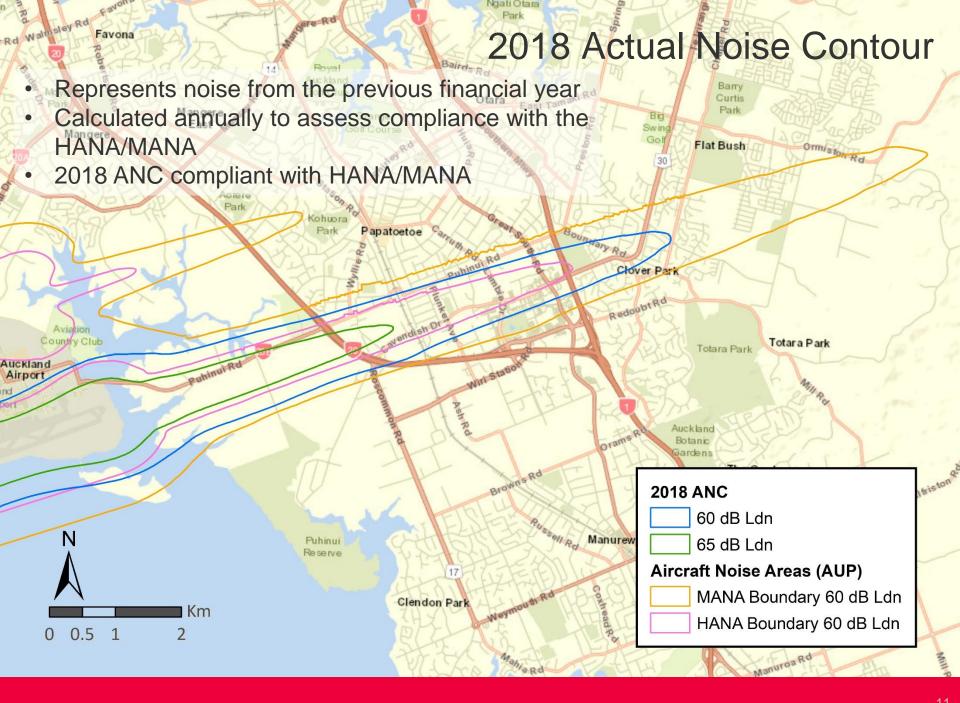


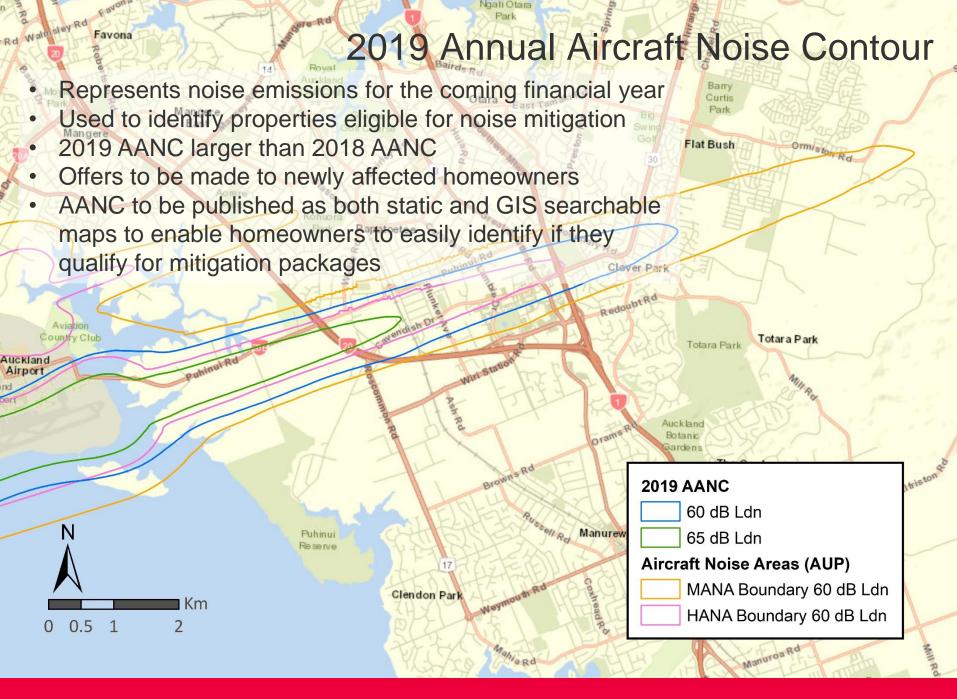




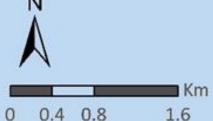










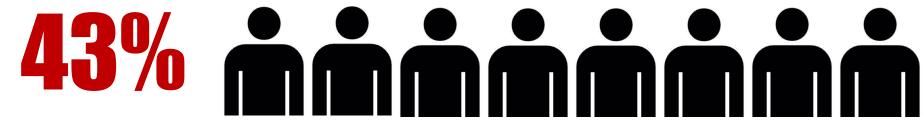


- Noise level calculated at 3 locations in the community
- Calculated L_{dn} was compliant for FY18
- Noise levels fluctuated between 42-44 dB L_{dn}





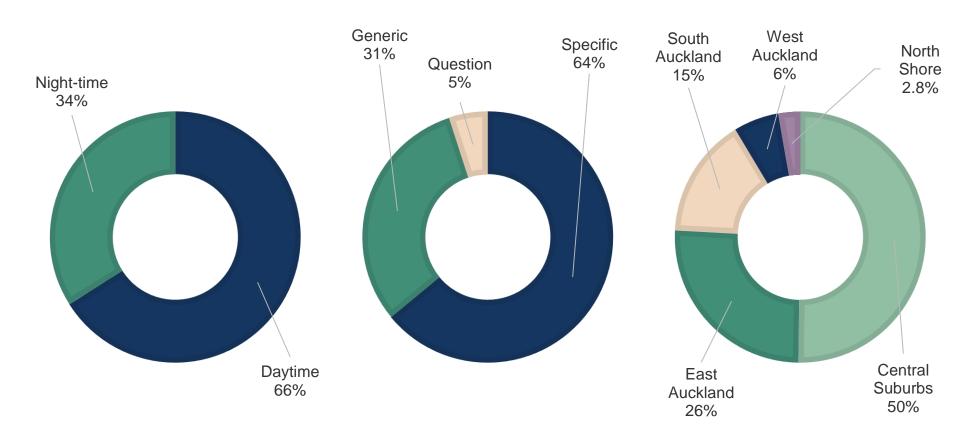




of complaints made by 8 people

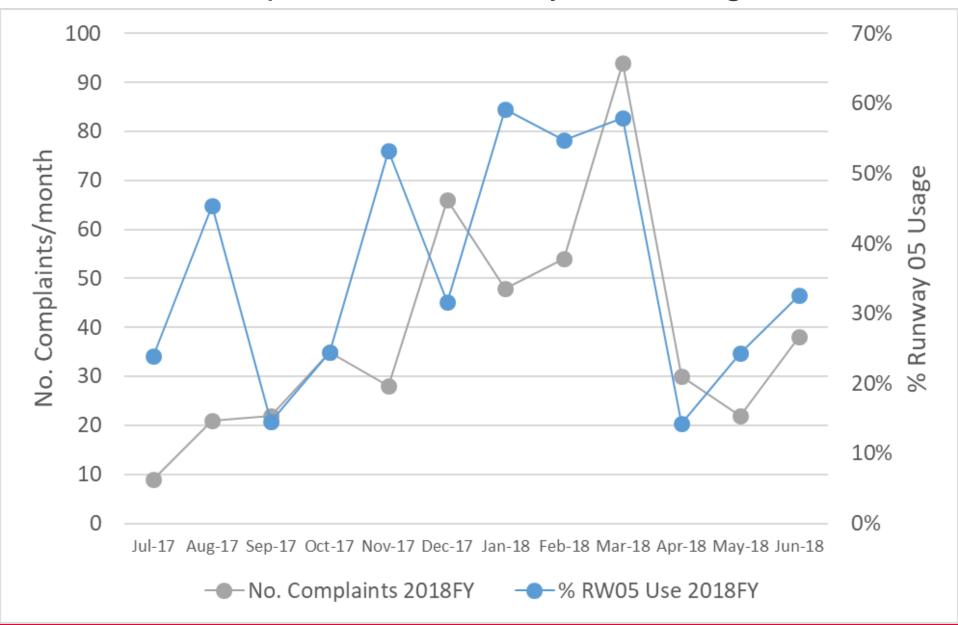


Breakdown – Noise Complaints FY18

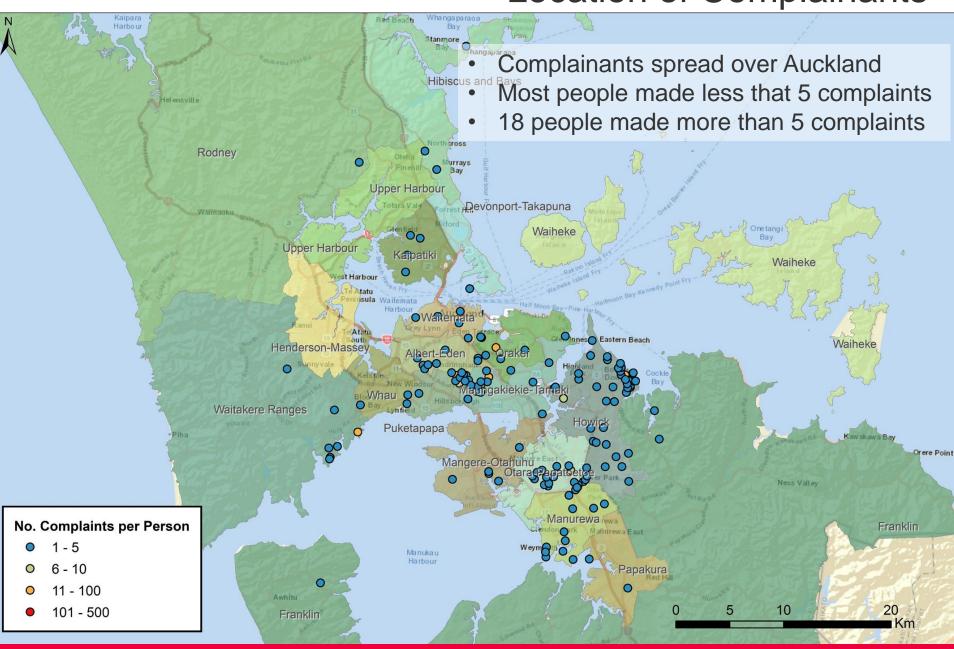


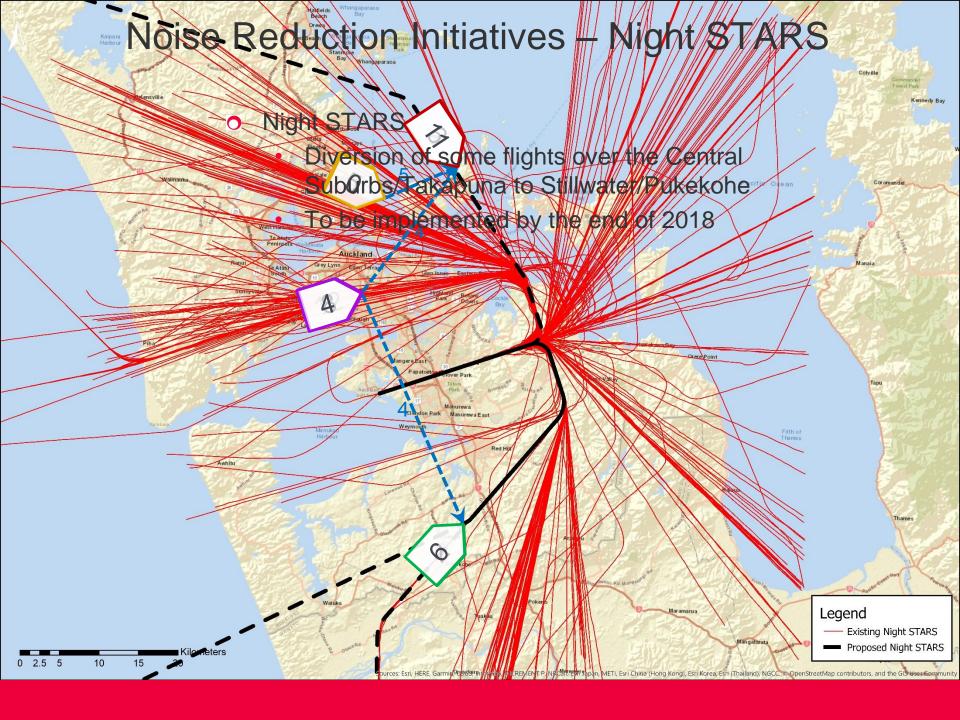


Complaints vs Runway 05R Usage



Location of Complainants





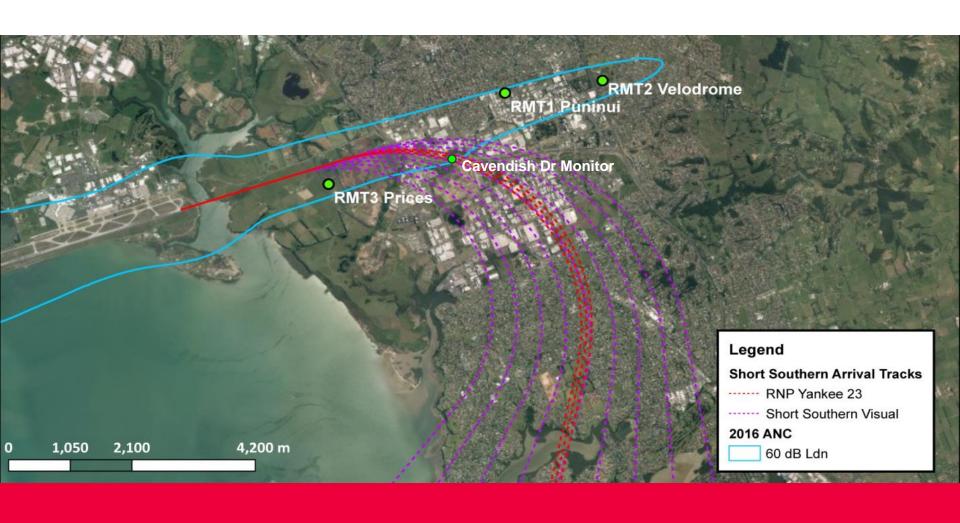
Conclusions

- Proposed Stillwater/Pukekohe approaches overfly less people
- Pukekohe/Stillwater experience a small increase in aircraft overflights
- Noise level in Stillwater/Pukekohe is low (50 − 60 dB L_{Amax})
- Takapuna/Central Suburbs experience a small decrease in aircraft overflight
- Some flights to remain on the approach over the Central Suburbs



Noise Reduction Initiatives – Night Arrivals

- Non-compliance in 2016 around Cavendish Drive
- Monitor installed & night flights stopped between 10pm and 7am to ensure compliance in future



Questions?