Importance of land use off airports: case studies of collaboration between airports and local communities

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FAA and ICAO recommendations

ICAO: Airports should conduct an inventory of bird attracting sites within the ICAO defined **13 km** bird circle...

FAA: …the FAA recommends a distance of **5 statute miles** between the farthest edge of the airport’s AOA and the hazardous wildlife…
Why

- Off airport strikes increasing
- Habitat and wildlife outside the airport
- Good relations and communication
- Handling encroachment
- Not always about biology but personal interaction
Teterboro Airport – New Jersey
Randolph Air Force Base – Texas
Teterboro Airport (KTEB)

Some background on KTEB

- Oldest operating airport in region
- One of the busiest GA airports in US
- Urban location

Community based Canada goose management program

- October 2009 after Miracle on the Hudson
Shared Benefits

Airport

- Reduce risk of damaging or catastrophic event

Community

- Lowers damage to parks/recreational areas
- Raises water quality
- Less aggressive geese
- Reduce overabundance
Results

Nest and Egg Management

2010 - 20 Stakeholders and 6 locations
2015 - 55 Stakeholders and 42 locations

Population Management

2010- 20 Stakeholders and 8 locations
2015- 55 Stakeholders and 10 locations

Turf Sweeper for stakeholders.
Randolph Air Force Base (RAFB)

Background on RAFB

- USAF pilot training facility
- Located 15 miles from downtown San Antonio
- City encroachment of the airbase
- “The Showplace of the Air Force”

More education and open communication

- Inviting local community leaders for tours of the base
- Discuss encroachment and land management
- Shared decisions for aviation & community safety
2016 white winged dove movements

Red = morning
Green = day
Blue = evening
Shared Benefits

**Airbase**
- Lowers risk of damaging or catastrophic bird strike
- Voice on proposed plans
- Increased knowledge on white-winged doves

**Community**
- Voice on proposed plans
- Compatible Development WG
- Airbase remains open
- Positive economic impact
Results

• Proposed land management near RAFB vetted by Installation Encroachment Management Team – shared airbase and community voice

• Community understands Accident Potential Zones and Clear Zones

• Communicates to the Management Team about hazards observed in the community and near the airbase

• White-wing dove observations decrease at airbase.