

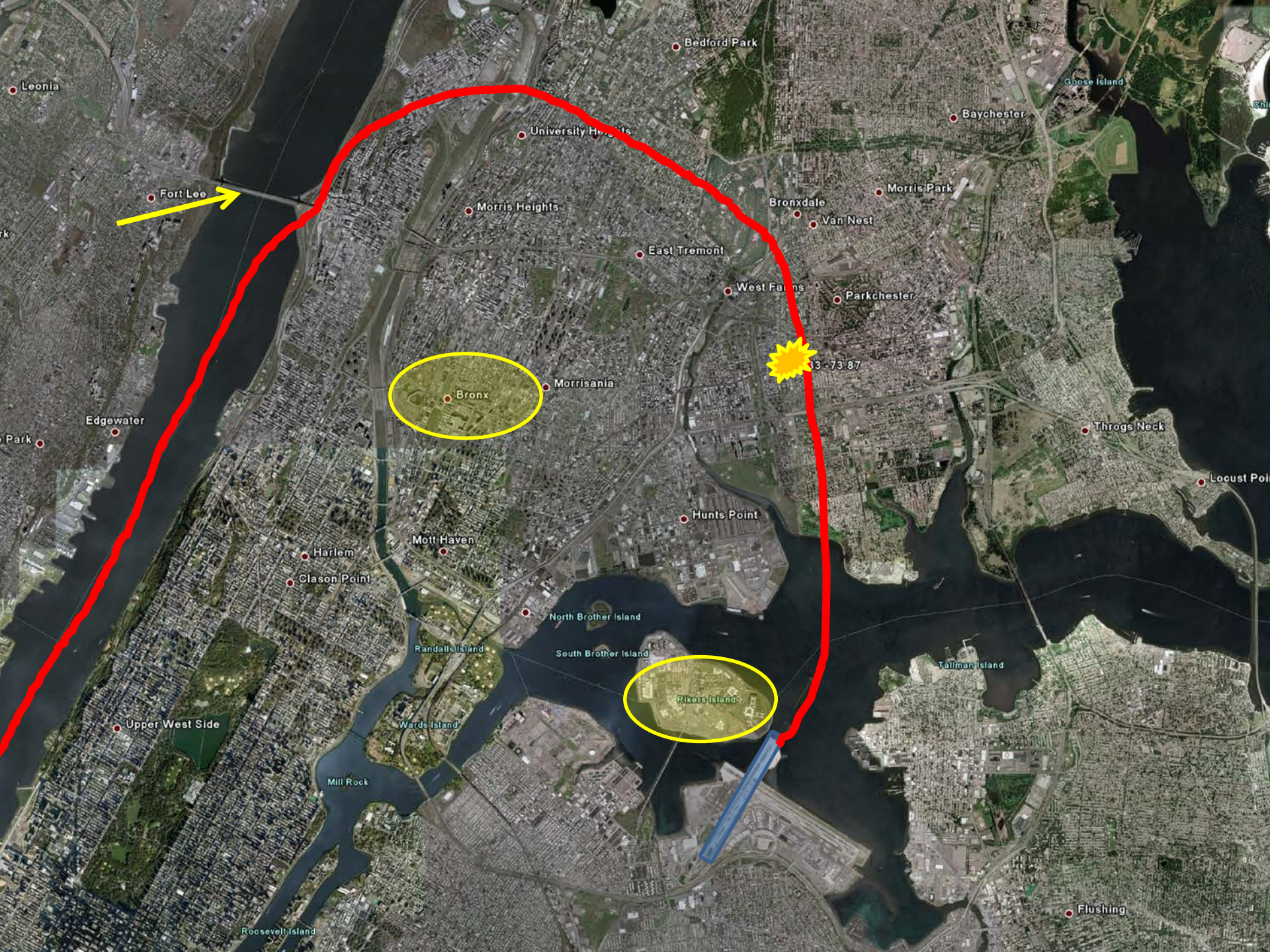
Beyond the Fence: Lessons Learned From Flight 1549



Dr. Nicholas Carter
Birdstrike Control Program
CARSAMPAF

US Air Flight 1549





Fort Lee

Bronx

Bedford Park

University Heights

Baychester

Goose Island

Morris Heights

Bronxdale

Morris Park

Van Nest

East Tremont

West Farms

Parkchester

Edgewater

Mott Haven

Hunts Point

Throgs Neck

Locust Point

Harlem

Clason Point

North Brother Island

South Brother Island

Tallman Island

Randalls Island

Wards Island

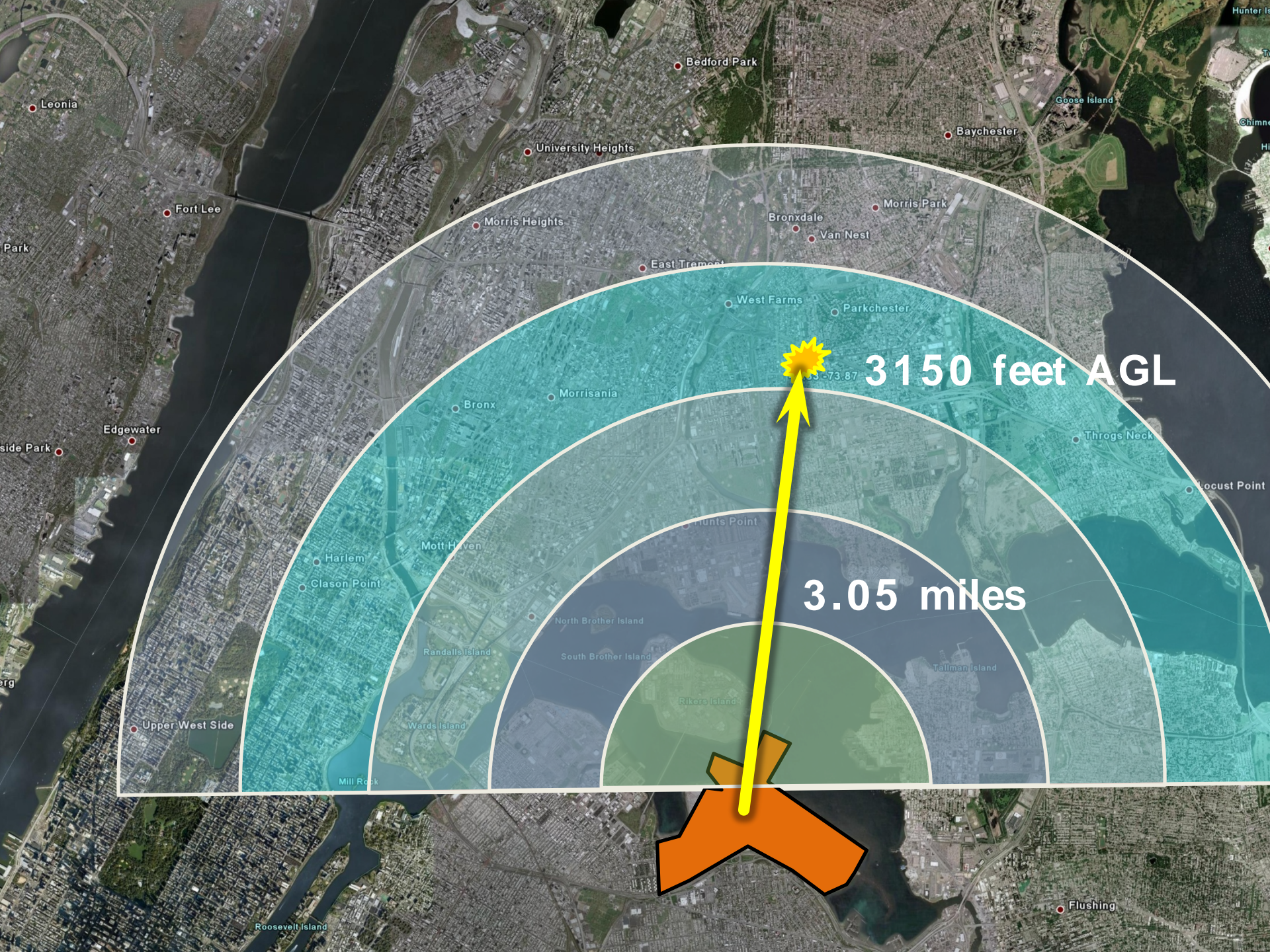
Rikers Island

Mill Rock

Roosevelt Island

Flushing

40.73 -73.87



3150 feet AGL

3.05 miles

Outside the Fence







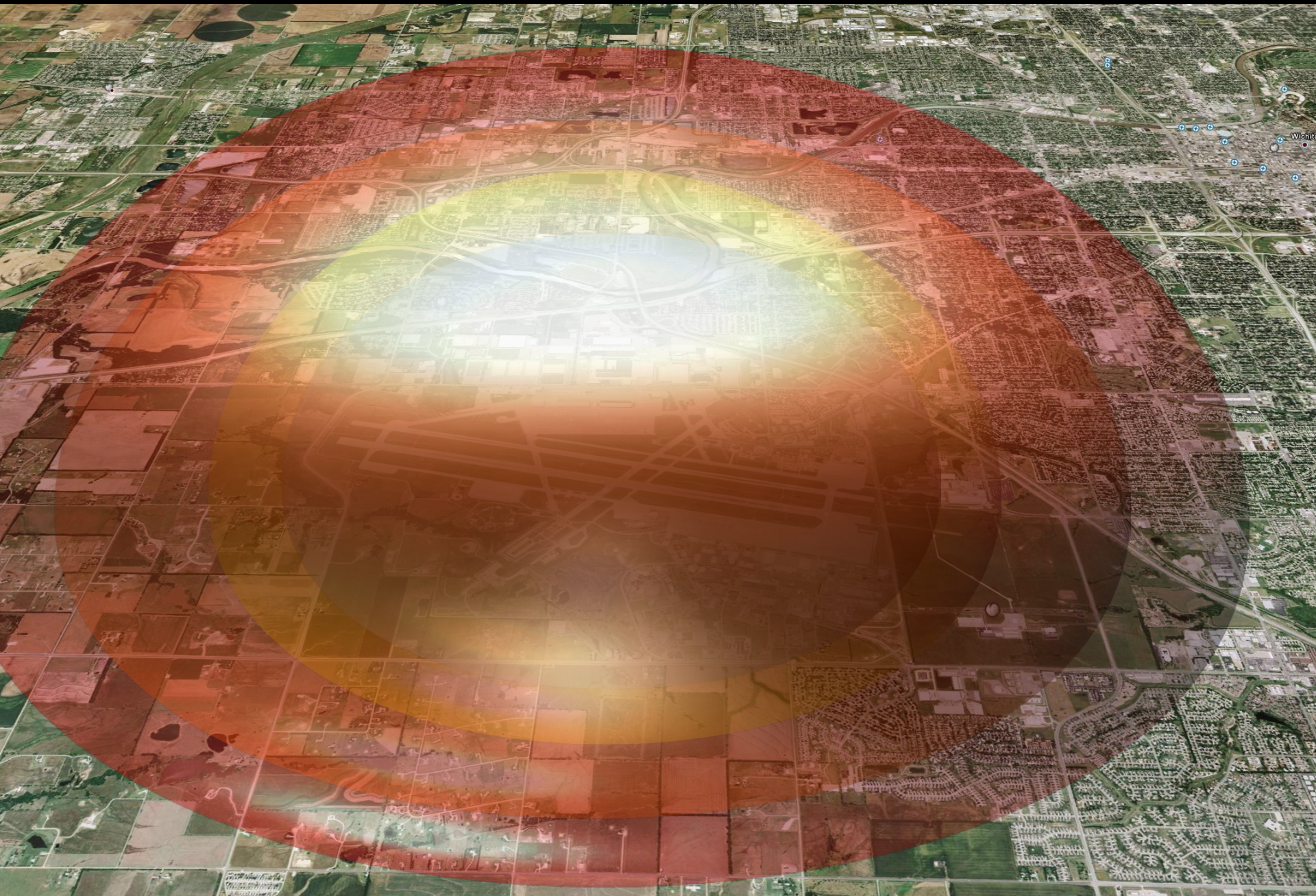




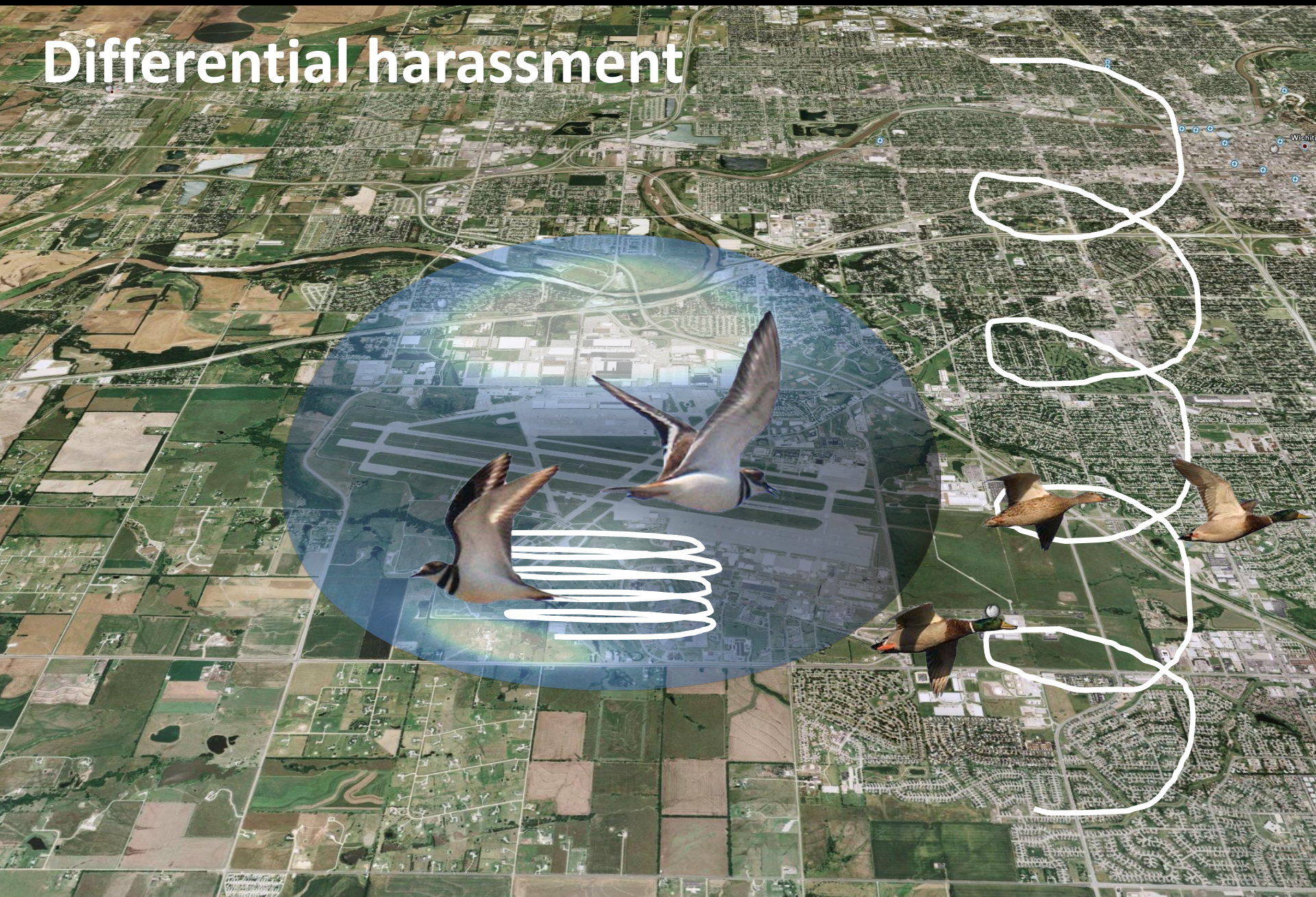




The Goal



Differential harassment





Passive Techniques?

Habitat Management?

Going “Outside”...

Problems?

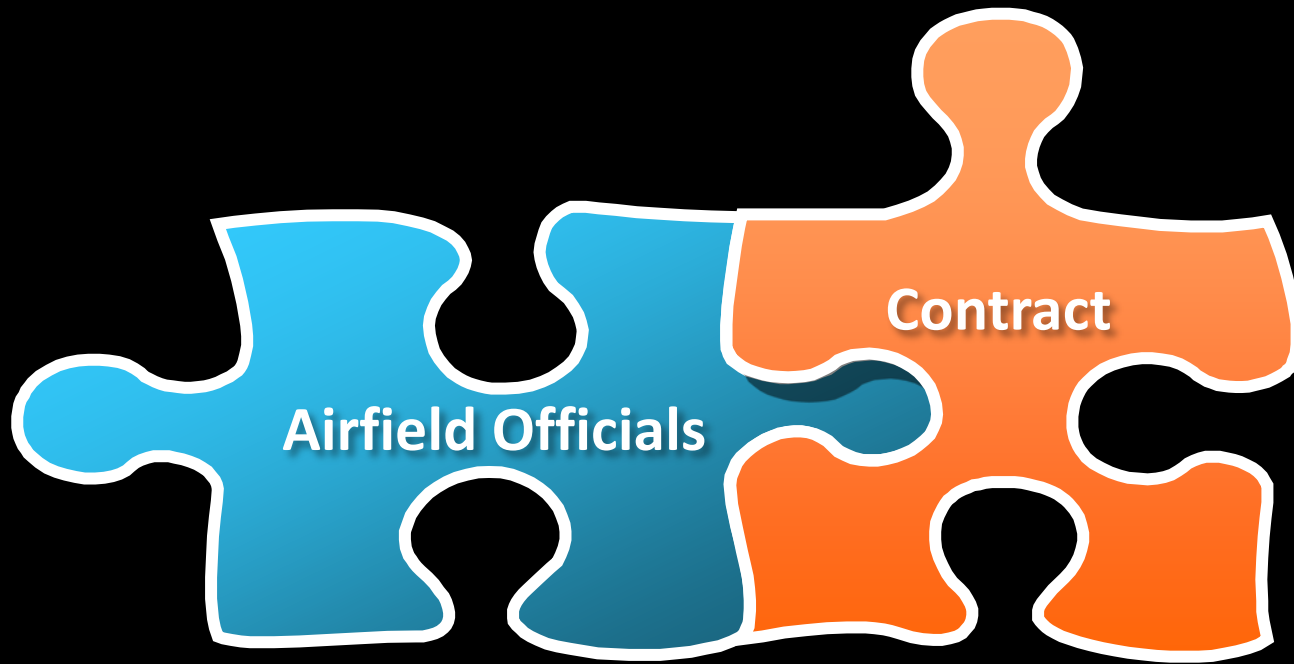


Lack of Understanding



Comprehensive Risk Assessment

Species Group	Overall Risk Ranking	Relative Hazard Percentage
Canada Geese	1	100
Snow Geese	2	94
Seagulls (all species)	3	8
Ducks	4	6
Vultures	5	5
Flocking Birds*	6	4
Raptors	7	1
Egrets/Herons	8	<1
Crows	9	<1
Songbirds	10	<1
Shorebirds	11	<1
Kestrels	12	<1
Owls	13	<1
Swallows	14	<1
Groundhogs	15	<1
Deer	16	<1
Foxes	17	<1
Rabbits	18	<1



Safety is Safety



Cooperation



Obstacles



**Lack of
Understanding**



No Incentive



**Lack of
Understanding**

OH MY GOD!
(Look at those gas prices...)







Aesthetics

**Lack of
Understanding**











Aesthetics

**Lack of
Understanding**

No Incentives

What's In It For Me?



Motivations

Inclusion

Partners

Patriotic

Rewards

Apathy



On the Outside Looking In



Bribes



L.O.A.D.

Land Owner Appreciation Day

Steak Dinners







McConnell AFB
22d Air Refueling Wing
Landowners' Appreciation Day



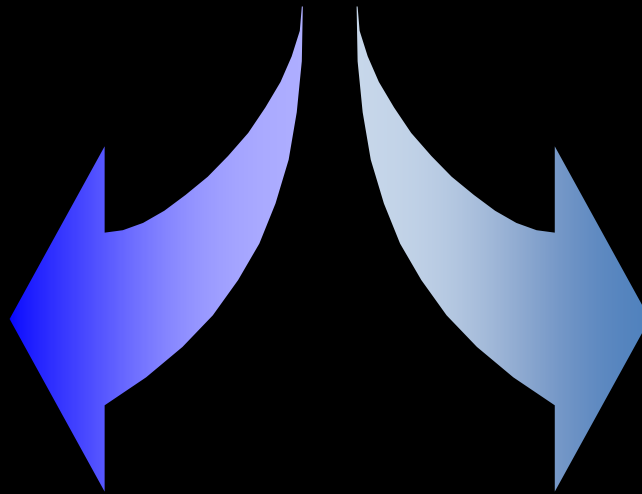
Lauren Caister, MS
Wildlife Manager
Wildlife Control Program





Refueling Flights

**“Cool”
Factor**



**Jealous
Neighbors**



ward Flight





**AIR FORCE SERVICES
FOOD SERVICE**

FLIGHT MEAL SERVICE

PREPARED WITH PRIDE BY:

TIME AND DATE:

BASE:

MEAL SHOULD BE CONSUMED
WITHIN 4 HOURS OF ISSUE



Kukey

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How Can They Help?

Information

Management

Access











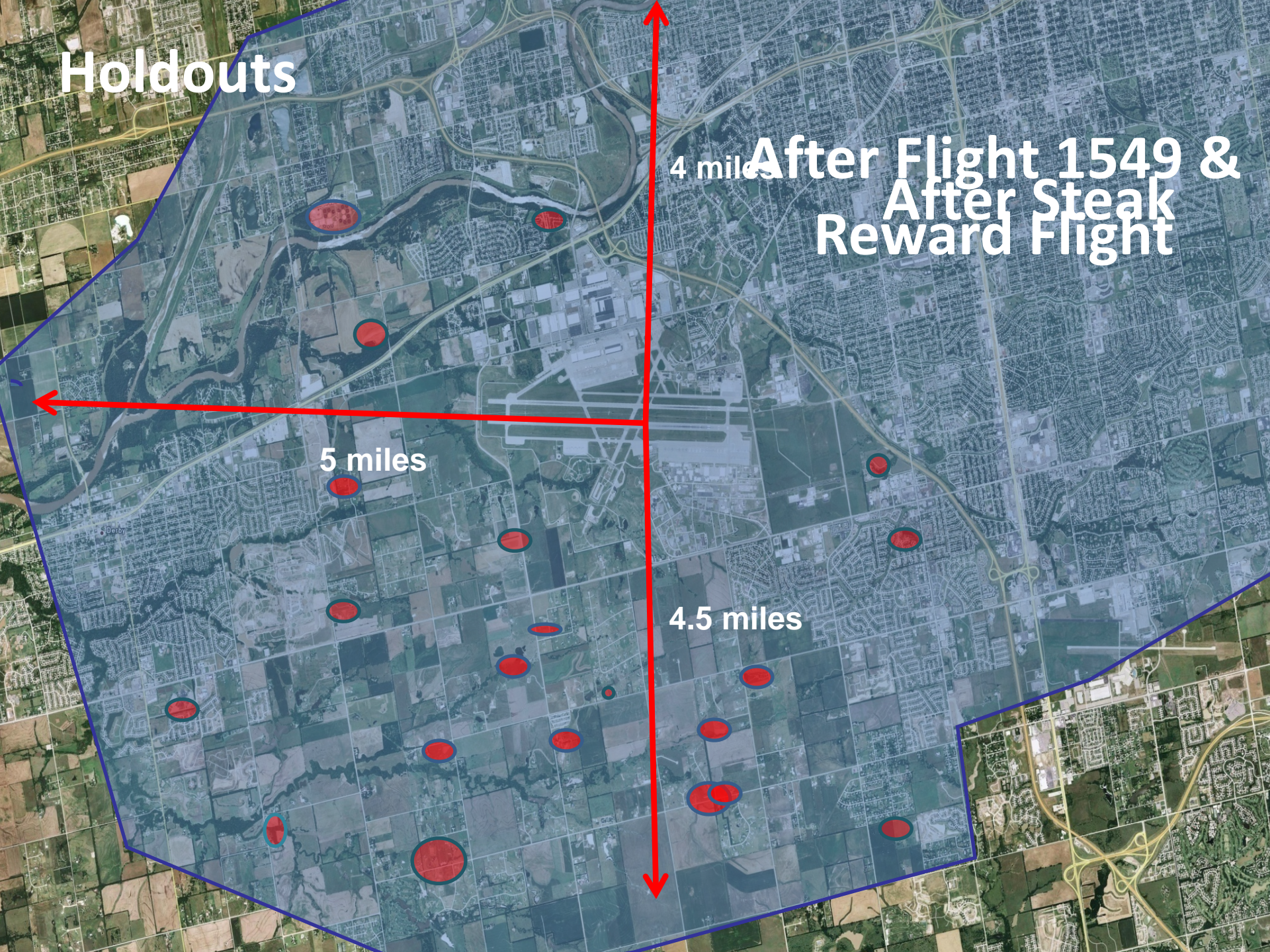
Holdouts

**After Flight 1549 &
After Steak
Reward Flight**

4 miles

5 miles

4.5 miles





Airfield Officials

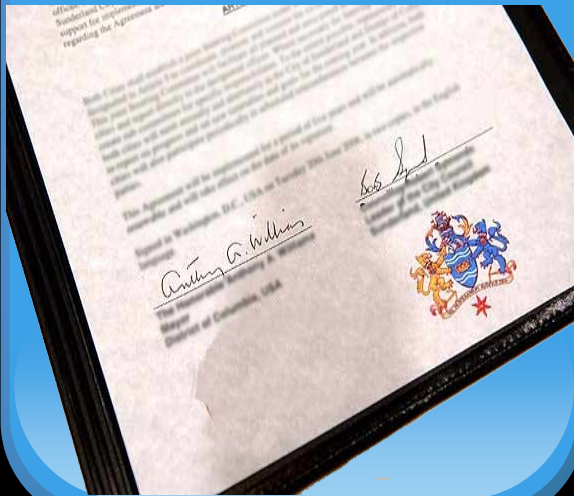
Contract

Landowners

Legal Issues

1

Liability Releases



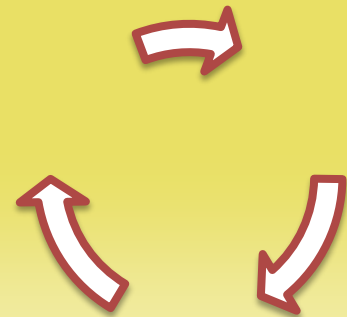
2

Handshake Agreement



3

Few Repeat Visits Necessary



Bottom Line

Get Outside the Fence!



SKYCAM





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Birdstrike Control Program