

# WBA Webinar

Threats and challenges faced by migrating species  
and Dubai Airports' methodology to mitigate the risk

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مطارات دبي

**DUBAIRPORTS**

# Threats and challenges faced by migrating species and Dubai Airports' methodology to mitigate the risk

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**Manager Compliance Assurance**

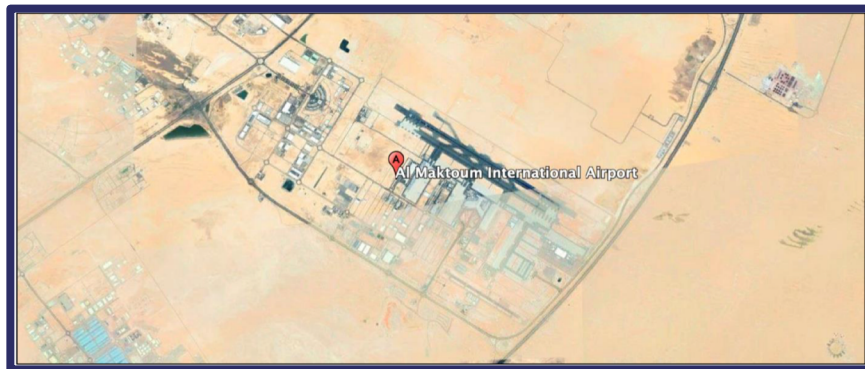
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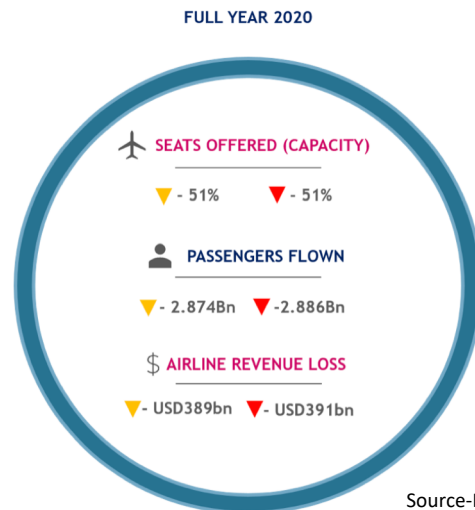
- OMDB Dubai International



- OMDW Al Maktoum International Airport



- The COVID-19 virus has spread worldwide without acknowledging borders, It has impacted all industries, predominantly aviation.
- A declining trend in observed industry wide
  - International passenger traffic
  - Airline revenue
  - Airport Revenue
  - International Tourism
- Crippled the global supply chain





- Cost control was essential for businesses to survive
- Globally aerodrome operators have considered reducing Wildlife Hazard Management (WHM) Budgets
- DA identified this as a threat and as a result did not scale down on the WHM actions/budgets
- A reduction of the budget will impact the ability to deliver desired objectives
- Despite the reduction in operations, WHM actions continued as normal
- KPI showed an anticipated increased trend
- Interim Risk Assessment based on 6 months data
- No increasing trend in risk
- Continued dispersal actions

# Migrating Species

6

- OMDB      Flocks of Black Headed Gull  
crossing both runways
- OMDW      Flocks of Chestnut Bellied Sandgrouse  
crossing RWY 12/30



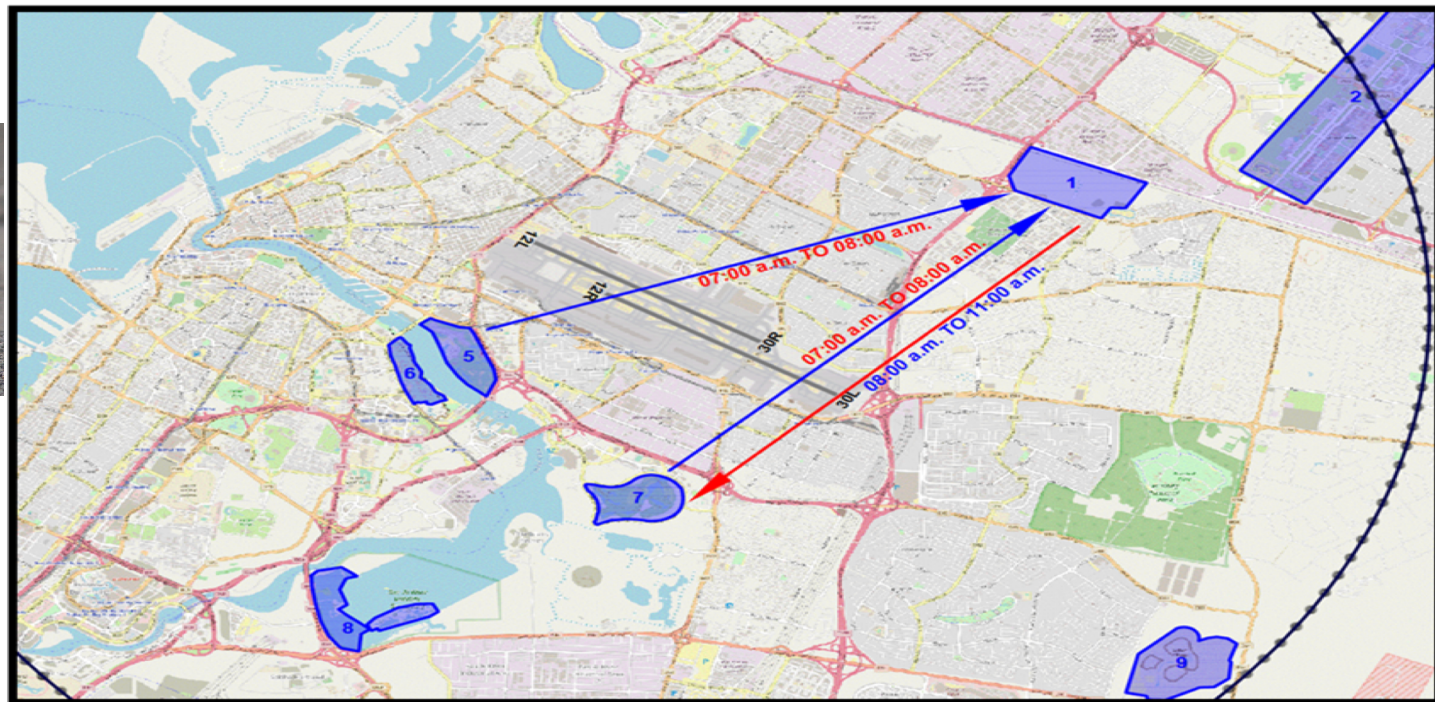
# Flight Lines

7

Species : Black Headed Gull



- 1- Al Qusais Landfill
- 5- Park Hyatt Golf Course
- 7- Al Badia Golf Course



## 8



ARP

07:00 a.m. TO 09:00 a.m.

10:30 a.m. TO 06:00 p.m.

1

3

4

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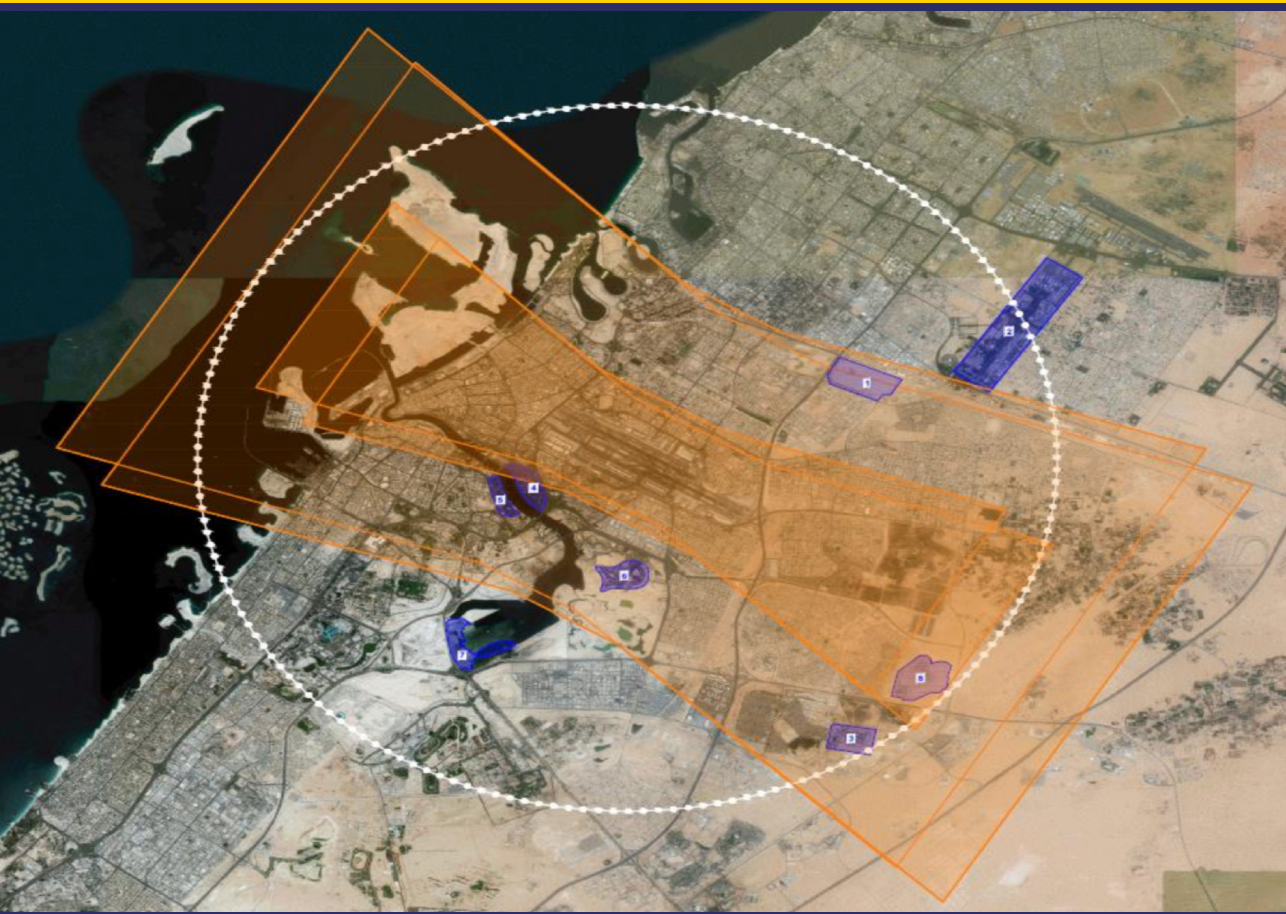


Bird Strikes can result in:

- Significant damage to aircraft
- Aborted Take-off
- In-flight diversion
- Prioritized landing
- Accident

## Wildlife Hazard Management Plan (WHMP)





## Bird Hazard Zones

Adopted from Transport Canada:

- Primary Hazard Zone
- Secondary Hazard Zone

## Hazardous Land-use Acceptability by Bird Hazard Zones

Risk	Land Use	Land Use Acceptability		
		Primary	Secondary	Special
High	Putrescible waste landfills	No	No	No
	Wildlife refuge	No	No	No
Moderate	Marinas/fishing boats/fish cleaning facilities	No	No	Yes
	Golf courses	No	No	Yes
	Municipal parks	No	No	Yes
Low	Marshes, swamps and mudflats	No	Yes	Yes
	Storm water management ponds	No	Yes	Yes



# Methodology used to minimise the risk

13

## Bird Buffer

- Misting machine sprays non-toxic chemical which irritates birds and works on a fixed timer .Preferable indoor.



## Bird Gel

- Non-toxic chemical in a disk which appears as flame to the approaching birds, can be applied indoor / outdoor and lasts up to 3 years



# Methodology used to minimise the risk

14

## Awareness Campaign



## On aerodrome vegetation removal



# Methodology used to minimise the risk

15

24/7 Bird dispersal by Airside Operations Team



Installation of “Do Not Feed the Birds” signs



# Methodology used to minimise the risk

16

Encourage Reporting





- Wildlife Hazard Management is an essential and important component to ensure safe aerodrome/ aircraft operations.
- Businesses should look at Wildlife Hazard Management, as a profit center and not as a cost center , ultimately resulting in:
  - Regulatory Compliance
  - Increased safety ;
  - Reduction in operational delays
  - Reduction in maintenance costs.



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