

Sydney Airport- Wildlife Management Plan



Presenters:

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Sydney Airport- Wildlife Management Plan



Sydney Airport

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Sydney Airport
880 Hectares

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Sydney Airport

880 Hectares

Predominately surrounded
by waterways

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Sydney Airport

880 Hectares

Predominately surrounded
by waterways

Part of the Botany Bay
Wetlands

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 SOP to be used in accordance with SACL OH&S Policies

Attachment D- Bird Identification Chart



There are currently 81 species of birds on the SACL Bird and Animal Species List



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Attachment D- Bird Identification Chart

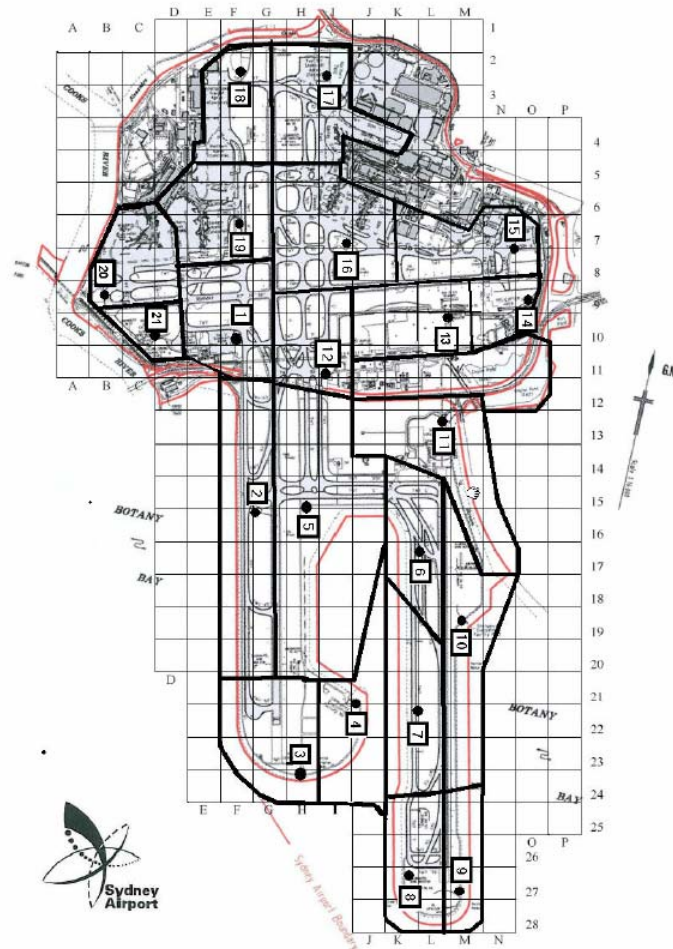


There are currently 81 species of birds on the SACL Bird and Animal Species List

A Bird Identification Chart was developed to assist with identifying the different species

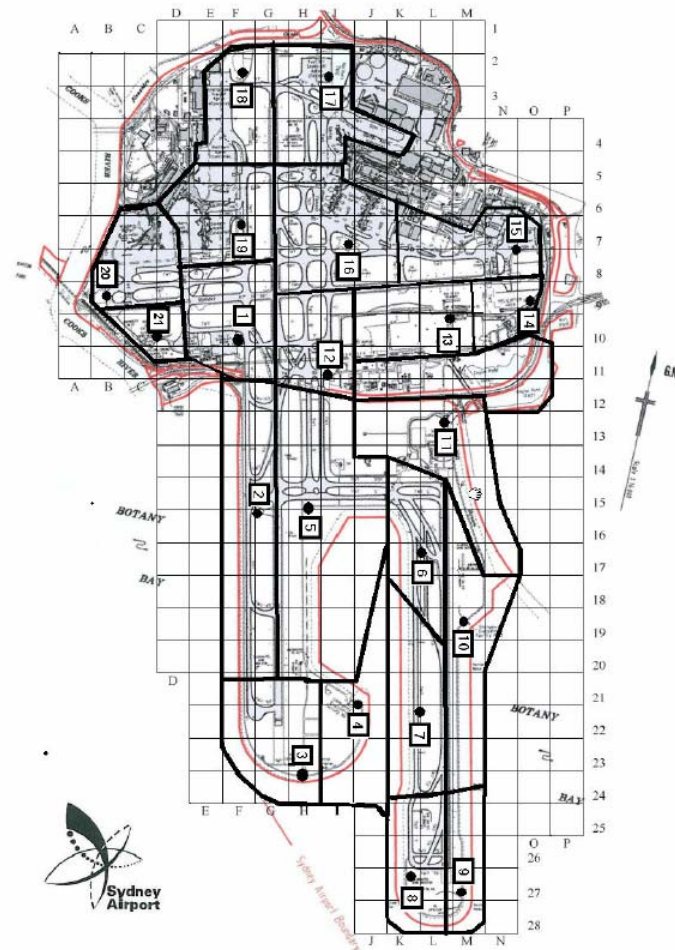


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The Airfield was broken into 21 sectors where Bird counts are undertaken

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The Airfield was broken into 21 sectors where Bird counts are undertaken

The sectors were developed after a series of trials were conducted to ensure that maximum coverage of the airfield is achieved

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Attachment E- Bird Count Point (BCP) Location Guide (Cont'd)



BCP 09



BCP 10



BCP 11



BCP 12



BCP 13



BCP 14



BCP 15



BCP 16

21 Bird Counts Points were located and marked on the ground to ensure all counts are undertaken from the same location

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Attachment E- Bird Count Point (BCP) Location Guide (Cont'd)



BCP 09



BCP 10



BCP 11



BCP 12



BCP 13



BCP 14



BCP 15



BCP 16

21 Bird Counts Points were located and marked on the ground to ensure all counts are undertaken from the same location

These points correlate to Grid Map and also the Wildlife Database

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Microsoft Access - [Bird Count Form]

File Edit View Insert Format Records Tools Window Help

Times New Roman 10

AERODOME BIRD AND FAUNA COUNT Previous Form Main Menu Quit Database

Advance to new record Update Species List

Bird and Fauna List

Date:

Location (grid ref):

Species:

Number:

Activity:

Other Obs:

Comments:

Count Type:

00 Unknown	28 Little Tern	55 Barn Owl
01 Australian Magpie	29 Magpie-Lark (PeeWee)	56 Whistling Kite
02 Australian Raven	30 Mallard	57 Long-Billed Corella
03 Australian Pelican	31 Masked Lapwing	58 Royal Spoonbill
04 Australian White Ibis	32 Nankeen Kestrel	59 Cattle Egret
05 Bar-tailed Godwit	33 Noisy Miner	60 Peregrine Falcon
06 Black Shouldered Kite	34 Pacific Black Duck	61 Hoary-headed Grebe
07 Black Swan	35 Pied Cormorant	62 Australasian Grebe
08 Black-faced Cuckoo Shrike	36 Pied Currawong	63 Striated Heron
09 Black-winged Stilt	37 Plumed Whistling-Duck	64 Pacific Gull
10 Chesnut Teal	38 Rainbow Lorikeet	65 Red Wattlebird
11 Common Starling	39 Red Fox	66 Great Egret
12 Common Tern	40 Red-capped Plover	67 New Holland Honeyeater
13 Crested Pigeon	41 Rock Dove (Feral Pigeon)	68 Intermediate Egret
14 Crested Tern	42 Richard's Pipit	69 Pacific Golden Plover
15 Dartar	43 Superb Fairy Wren	70 Banded Lapwing
16 Double Banded Plover	44 Silver Gull	71 Red-necked Stint
17 Dusky Moorhen	45 Spotted Turtle Dove	72 Sulphur Crested Cockatoo
18 Eurasian Coot	46 Swamp Harrier	73 Fairy Martin
19 European Rabbit	47 Swamp Hen	74 Inland Dotterel
20 Galah	48 Welcome Swallow	75 Kelp Gull
21 Great Cormorant	49 White-bellied Sea-Eagle	76 Caspian Tern
22 Grey Teal	50 White-faced Heron	77 Common Sandpiper
23 Hardhead	51 Willie Wagtail	78 Australasian Gannet
24 House Sparrow	52 Yellow Tailed Black Cockatoo	79 Red-whiskered Bulbul
25 Indian Mynah	53 Fruit Bat	80 Red-browed Finch (Firetail)
26 Little Black Cormorant	54 Grey Goshawk	81 Black-fronted Dotterel

The count information is then entered into the Aerodrome Bird and Fauna Count database in Microsoft Access™

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SACL Wildlife Management Plan
Bird and Animal Dispersal / Culling Form

Time	Time Spent	Grid	Species	Number	Number Culled	Control Method	Ammunition				Dispersal Reason	Effect	Disposal		
							BF	Live	Dud	Pel			Bin	Freezer	Other*
<p>Enter the time you commenced dispersal and the total time for each Grid location. Where there are more than one species being dispersed use a separate line for each species and allocate part of the total time spent dispersing to each species dispersed. <u>Eg if the total time was 5 mins and gulls and starlings were dispersed, then allocate 2.5 mins to each.</u></p>			<p>Enter the Number of wildlife dispersed. And where culling has been conducted, the number culled.</p>		<p>Enter the letter corresponding to the Control Method used. Where more than one type was used, then only indicate the <u>most aggressive method used.</u></p>		<p>Enter the number of shells used in the relevant column type. For dud cartridges indicate the number followed by the letter B- for <u>birdfrite</u> or L for live shot.</p>				<p>Enter a letter (only one) from the Reason for dispersal list, corresponding to the reason for dispersal which best describes why the wildlife were dispersed. <u>Similarly for the Effect of dispersal.</u></p>		<p>Where culling has been conducted, place a tick in the appropriate column. Where bin is ticked, note in Additional comments the location of the bin</p>		
<p>Control method</p> <p>A- Vehicle approaching B- Lights C- Sirens D- Human activity E- Birdfrite F- Culling G- Gas cannon H- Acoustic I- Air Rifle J- Other (provide details)</p>			<p>Dispersal Reason / Wildlife Activity</p> <p>A- Flying / Moving across runway B- Flying / Active in area C- Feeding near runways D- Feeding in area E- Resting on / near runway F- Resting in area G- Nesting / Burrowing near runway H- Nesting / Burrowing in area I- Programmed culling J- Other (provide details)</p>			<p>Effect?</p> <p>A- All birds dispersed immediately B- Most birds dispersed in 5 minutes C- A few birds dispersed in 5 minutes D- Most birds dispersed after 30 minutes E- A few birds dispersed after 30 minutes F- Birds did not disperse/culling required G- Bird dispersal required all day H- Animal captured / culled I- Animal dispersed from area</p>				<p>Cloud Amount</p> <p>0 Oktas – Sky clear (Cavok) 1- 2 Oktas – Few 3- 4 Oktas - Scattered 5- 7 Oktas – Broken 8 Oktas - Overcast</p>					
<p>Weather</p> <p>AM Time: ___ Rwy: ___ Wind: ___ / ___ Cloud amt: ___ Cloud base: ___ Visibility: ___ Temp: ___ QNH: ___ Rain (24hr): ___ (mm) Tide <u>L/M/H</u></p> <p>PM Time: ___ Rwy: ___ Wind: ___ / ___ Cloud amt: ___ Cloud base: ___ Visibility: ___ Temp: ___ QNH: ___ Rain (24hr): ___ (mm) Tide <u>L/M/H</u></p>															
Officer's Name _____						Officer's Signature _____						Date _____			

Gull counts to be undertaken each morning and afternoon
 Bird counts to be undertaken Tuesday, Thursday and Sunday
 Data to be entered into the Wildlife Management Database each night

Rabbit Counts to be undertaken Sunday, Tuesday and Thursday nights
 Bat counts to be undertaken Monday, Wednesday and Friday nights
 Amend 07- 15.Oct.2006

Once again, an explanation sheet was developed to ensure consistency of the Dispersal and Culling information

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Microsoft Access - [Dispersal]

File Edit View Insert Format Records Tools Window Help

Bird and Animal Dispersal/Cull Input Form

Weather input

If the AM/PM weather information for the day has not previously been entered, then click the above button to enter it. Then click the previous form button to return to this form

Main Menu Quit Database
 Species list Advance to new record

Date: 6/08/2008 Time of Dispersal: Total dispersal time in minutes: 0 Location: Bird or Animal type: (Only use the bird/fauna count species list)

Number of Birds/Animals: 0 Number Culled: 0 Control Method: Method: A Vehicle approach, B Lights, C Sirens, D Human Activity, E Birdfrite, F Culling, G Acoustic (Distress Tapes), H Other (advise in comments)

Ammunition Used

Number of Birdfrite: 0	Number of Live Shot: 0	Number of Pellets: 0
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Number of Dud Ammunition

Birdfrite: 0	Live shot: 0
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Reason: Effect: Carcass Disposal: Freezer, Bin, Other (put where in comments)

Reason	Effect
A flying across runway	A All birds dispersed immediately
B Flying in area	B Most birds dispersed in 5 minutes
C Feeding near runways	C A few birds dispersed in 5 minutes
D Feeding in area	D Most birds dispersed after 30 minutes
E Resting on/near runways	E A few birds dispersed after 30 minutes
F Resting in area	F Birds did not disperse/culling required
G Nesting near runway	G Bird dispersal required all day
H Nesting in area	H Animal captured/culled
I Programmed culling	I Animal dispersed from area
J Other (advise in comments)	

Comments: Reported by: Designation:

The information is put into to the Bird and Animal Dispersal/ Cull Input Form in Microsoft Access™

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Birdstrike information is collected including information from the airline, ATC and physical evidence if available.

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Birdstrike information is collected including information from the airline, ATC and physical evidence if available.

All evidence is photographed and stored with the appropriate paperwork.

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The screenshot shows a Microsoft Access database window titled "Microsoft Access - [Birdstrike]". The main form is titled "Bird Strike Report Input Form". It contains the following fields and controls:

- Menu Items:** Email to ATSB, Main Menu, Quit Database, Get Weather, Species list, Grid Diagram.
- Date:** 5/08/2008
- Aircraft Information:** Aircraft type, Model, Aircraft registration, Operator, Time notified by Twr, Time of Strike (if known).
- Location:** Runway direction in use, Strike location, Grid location, Phase of Flight.
- Weather:** Wind direction, Wind speed, cloud Height (feet), Cloud amount, Rain, Fog, General Weather description.
- General Weather during preceding 24 Hours (Enter Y or N):** Cloud, Clear, Rain, Storm, Windy, Calm, Hot, Mild, Cool, Cold, Other - Specify.
- Bird Activity:** Bird Activity, Bird Species, Bird size, Number of Birds struck, Carcasses retrieved.
- Control and Attraction:** Bird control method, Bird control effect, Source of attraction (if Known), Bird Size Categories (Small, Medium, Large).
- Additional Info:** Airfield Response/ Additional explanation, Confirmed Strike (Y or N), Reported by, Designation.

The information relating to Bird Strikes is entered into a form in Microsoft Access™

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Birdstrike Report Sydney Airport on Wednesday, 30 April 2008

<u>Date</u>	<u>Aircraft type</u>	<u>Model</u>	<u>Aircraft rego</u>	<u>Operator</u>	<u>Time notified by Twr</u>	<u>Time of</u>				
<u>Runway direction in Use</u>	<u>Strike location</u>	<u>Flight Phase</u>	<u>Wind direction</u>	<u>Wind speed</u>	<u>cloud base (ft)</u>					
<u>Cloud amount</u>	<u>Fog</u>	<u>Rain</u>	<u>General Wx description</u>	<u>Weather in Preceding 24 Hour period</u>						
				Cloudy	Clear	Rain	Storm	Windy	Calm	Hot
<u>Bird size</u>	<u>Species</u>	<u>Number</u>	<u>Mild</u>	<u>Cool</u>	<u>Cold</u>	<u>Other - Specify</u>				
<u>Carcasses</u>	<u>Bird Activity</u>	<u>Bird control method</u>	<u>Source of</u>	<u>Bird control effect</u>						
<u>Airfield Response/ Additional explanation</u>			<u>Confirmed</u>							
Pilot reported possible bird strike on landing roll.			conducted Rwy inspection. Nothing sighted. Rwy declared serviceable.							
<u>Reported by</u>	<u>Designation</u>	<u>Record number</u>								
		416								

And the Birdstrike Form is then automatically produced and distributed to a predetermined distribution list, including ATSB

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Questions?