ISLANDS VISITED WHEN GEESE NOT PRESENT.

1-8-91	WOODY ISLAND	-	NO GEESE.
11-5-88	LONG "	-	"
"	WENDY "	-	"
"	SANDY HOOK ISLAND	-	"
"	THOMAS ISLAND	-	"
"	GUNSTON "	-	"
"	BUTTON "	-	"
7-7-91	FIGURE OF EIGHT	-	"
23-2-91	FIGURE OF EIGHT	-	"
"	CAPS ISLAND	-	"
24-2-91	FINGER ISLAND	-	"
24-2-91	DRAPER ISLAND	-	"
7-7-91	SEAL ROCK	-	"
6-7-91	LIEBILIE ISLAND	-	"
3-11-88	BOXER ISLAND	-	"
"	FIGURE OF EIGHT	-	"
"	CAPS ISLAND	-	"
3-11-88	SANDY HOOK	-	"
"	GUNSTON ISLAND	-	"
"	WOODY ISLAND	-	"
"	BLACK ISLAND	-	"
"	LONG ISLAND	-	"

FAX 09-3061641

G. PEARSON.

Cop that!

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

Form CLM 80A

To: ..... From: .....

....19.....

Kevin McAlpine

Your Ref:
Our Ref:
Enquiries:
Phone:

Subject: 1991 before and after heatwave

Island	Before (early Feb) ←	After (May) →
Woody	3	∅
~~Dewy~~		6
New Year	3	1
Anvil	4	9
Six Mile		5
Bellinger	7	∅
Wickham	14	3
Middle		∅
N Turin Peaks		∅
Taylor	4	3
Mandrain		2
Wilson		2
Sandy Hook		3
Kermadec		3
Spindle		∅
S Turin Peaks		∅
Inshore		∅
~~Shark (#96)~~ Kimberly		1
Remark		∅
Paisley	[12]	[∅]
$\bar{x} = 6.7$	[47]	[16] $\bar{x} = 2.3$
	35	16

Paired t-test

		d
3	1	2
4	9	-5
7	∅	7
14	3	11
4	3	1
12	∅	12
3	∅	3

$n = 7$ $\bar{d} = 4.43$

$\nu = 6$ $s_{\bar{d}} = 2.27$

$t = \frac{\bar{d}}{s_{\bar{d}}} = 1.95$ NS

$\Sigma x^2 - \frac{(\Sigma x)^2}{n} = 353 - 137.3 = 215.7$

$s^2 = 35.95$

$s_{\bar{d}} = 2.27$

5.996

2.646
2.449

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

Form CLM 80A

To: ..... From: .....

....19.....

.....

Your Ref:
Our Ref:
Enquiries:
Phone:

Subject:.....

Wilcoxon paired-sample test

	Islands	Before	After	Diff	Rank of	Signed Rank of
Woody	1	3	∅	3	3	3
N. Yeal	2	3	1	2	2	2
Anvil	3	4	9	-5	4	-4
Bellinger	4	7	∅	7	5	5
Wickham	5	14	3	11	6	6
Taylor	6	4	3	1	1	1
Parsley	7	12	∅	12	7	7

n = 7

T = 4 NS

P < 0.10 for 1-tailed test

Calculated number of islands from S+H (looked at 88 islands in Jan, 20 with geese – total of islands with geese in Jan/June = 28) ∴ 60 islands had no geese.

Differed from Jim

28 islands
194 geese.

but may be 20 high see Daw!

p20

1990

Straughnessy and Halsey (unpubl.)

26 Jun 90	Spindle	12	geese
2 Jan 90	Pointer	2	
8 Jan 90	Anvil	8	
25 June	Daw	30	Jim gives this as 50 mistake?!
8 Jan	New Year	16	check these again
8 Jan	? Cranny = Canning ??	1	
11 Jan	Ford	2	
11 Jan	Round	26	
23 June	Bellinger	7	
6 Jan	Paisley	4	
20 June	Glennie	6	
22 June	Wickham	3	
21 June	Barries	3	
5 Jan	Westall	8	
21 June	Taylor	7	
23 June	Kermadec	1	
13 Jan	Slipper	4	
19 June	Beaumont	4	
20 June	Statin	4	
20 June	Kinbrey	4	
4 Jan	Finger	2	
4 Jan	Hope	2	
4 Jan	Hastings	4	
15 Jan	Terminal	7	
17 June	Boxes	4	
16 Jan	Fig of Eight	3	
17 June	Red	40	
19 June	Back Passage	6	

check island

28 with geese / 88 islands / 220 geese

Check with Bernie for 60 ø islands

Jim has 40 islands in dataset already – beware

$\bar{x} = 20.50$

$SE = 0.68$

[redacted]

268 2888

Martha

6 × 5 yrs

240 000
500 000 oz / quotes

$1-50
1-48

2000

p22

1992

B. Halseley (unpubl.)

Trudgeon, M. (unpubl.) 015057F3102 vol 5 ff 314-317

54 +2+1 islands (early Feb 92)

200 live geese / 19 dead geese

Trudgeon 29 Feb Cull 30-40 geese (Jim has approx this to 35)

Jim calls island NW of N Twin Peaks - Tunney
it may be Cave

Jim has divided Rossiter Group into 3 islands
" " " Seal Creek into 2 islands

Bernie's data	57 islands	200 geese
Trudgeon's data	1 island	35 geese
	58 islands	235 geese

$\bar{x} = 4.1$ SE 0.8

6.080

7.616 ± 0.8

Sooty Oystercatchers

6
7
6
5
2
5
2
2
5
7
8
Fig of Eight - - - - - - - - - - - - 19 *
2
8
3
0
5
5
2
3
3
4
3
9
1
5
8
3
1
2
3
6
3
2
Glennie - - - - - - - - - - - - 15 *
1
8
3
7
3
6
7
7
5
6
2
54 islands - - - - - - - 4 / 229 birds

1991

Shaughnessy + Halseley (unpubl.)
Dell (unpubl.) P Lambert (unpubl)

counted twice

7 Feb	Fig of Eight	∅		Lambert
7 Feb 91	Anvil	4	geese	counted by Dell
24 Feb	Finger	∅		Lambert
6 Feb	New Year	3		
24 Feb	Draper	∅		
5 Feb	Bellinger	7		
7 Feb	Seal	∅		
5 Feb	Paisley	12		
6 Feb	Liebkie	∅		counted by Lambert
5 Feb	Wickham	14		
_ Feb	Taylor	4		
10 Feb	Beaumont	2		
10 Feb	Draper	1		
23 Feb	Caps	∅		Lambert

14

S+H

15/8

Does Bernie have ∅ counts in this survey?

4-13 May	Woody	0	[1 hr] ✓	counted by unknown
	Daw	6	(+10 dead) ✓	
	New Year	1	(+4) ✓	counted by Bernie
	Anvil	9	(+4). ✓	
	Six Mile	5	(+0) ✓	
	Bellinger	0	(+2 (3)) ✓ Greg got 1 dead too	counted by Bernie
	Wickham	3	(+2) ✓	counted by Bernie
	Middle	0	(+0) ✓ [2 days]	
	N Twin Peaks	0	(+0) ✓	
	Taylor (70% sand Poa/Shipa)	3	(+0) ✓ geese feeding on leaves of Rhagodia	counted by Bernie
	Mondrain	2	(+0) abundant faeces among Poa	feeding on Rhagodia baccata ✓
	Wilson	2	(+0)	✓
	Sandy Hook	~~2~~ 3 correction	(+0)	✓

Dell (report)
6 others examined

John will respond

see 3rd page for 7 others

24 Feb 91	Beaumont	1	Jim has this on database Bernie higher
6 Jul 91	McKenzie *	3 ✓	
	Cliff *	2	
20 Feb 91	82 (Lybkie)	2 ✓	
6 Jul 91	Hood	2 ✓	
	Woody	3	— Source?

extra on database
P Lambert unpubl.
2 trips (9 haven't always recorded leaves count)

23 Feb 91	Capps	0	
7 Jul 91	Seal R	0	
7 Jul 91	Fig of Eight	0	
21 Feb 91	Red	22	
24 Feb	Finger	0	
24 Feb	Draper	0	Jim has on database Bernie higher
20 Feb	86	0	
20 Feb	84	0	
20 Feb	81	0	
20 Feb?	89	0	Jim has this too
2-5 Dec 91	Cull	3 geese	Halsey 015057F3102 vol 5, f 292

32 islands 107

Split by date
pre 1 Apr
post 1 Apr
can compare with years

add John's sites

see below for totals

1991 contd (3)

John Dell's
extra islands

4-13 May

Kermadec	3 geese
Spindle	none
S Twin Peak	none
Inshore	none
~~Stack~~ Kinlgarly (#95)	1 goose
Remark	none
Also	
ignore Pasley	none
Owen	none
38 islands	111 geese

(33 56 54
122 28 06)

> but only seen from distance

$\bar{x} = 2.9$ SE = 0.7

6.164

4.611

p19

1989

B Halseley (unpubl) 015057F3102 vol 5, f 129

11 Mar 89	Sandy Hook	3 geese
8-9/Apr/89	Middle	No geese

Have taken series of reports from f 102 → by Bernie, then have added four summer visits from Table 1 of S+H (unpubl). Get extra islands because Table 1 doesn't list Ø sightings. Geese only seen on 5 / 16 visited. Remove those islands in Table 1 and visited later by Bernie → 12 islands at least visited for 4 positive records (Fig of Eight counted 2×).

p18

Find out from Bernie other 12 Ø islands

1988

B Halseley (unpubl) 015057F3102 vol 5, f 102
PD Shaugnessy Σ^B_A Halseley (unpubl.)

30 Apr 88	Lion ×	2 geese ✓✓
1 May 88	Rock between Woody/Gunton (#11b)	No geese ✓
"	Gunton	No geese ✓✓
"	Woody	2 geese ✓✓
30 Apr 88	Lion	No geese
23 Sep 88	Red ×	2 geese ✓✓
24 Sep 88	Seal	No geese ✓
24 Sep 88	Wickham ×	37 geese ✓
– Nov 88	Fig of Eight	5 geese (highest count) ✓
3 Nov 88	Sandy Hook	5 geese ✓✓
3 Nov 88	Steep Rocks	No geese ✓✓
4 Jan 88	Hood	8 geese ✓
2 Jan 88	Boxes	4 geese ✓✓
3 Jan 88	Capps	4 geese ✓✓
3 Jan 88	Fur Rock	2 geese ✓✓
	+ 5 islands with no geese	
	19 islands	71 geese

Ø NO BIRD ISLANDS
Long (1)
Hendy (2)
Button (3)
Thomas (4)
Black (5)

$\bar{x} = 3.7$ SE = 1.9

8.385

remove JS & Ben island ref.

p17

1987

~~Johnstone & Smith (1987) Corella 11, 93-94.~~

Johnstone, Smith & Klomp 1990 Corella 14, 131-132

Johnstone, Smith & Klomp 1990 Corella 14, 133-134.

JS & K 1990 Corella 14, 135-136.

B. Halseley (unpubl.) 015057F3102 vol5, f96.

11 Dec 87	Ben	6 geese (B Halseley unpubl.)
9 Dec 87	Wickham	23 geese
9 Dec 87	Gulch	12 geese
10 Dec 87	Skink	10 geese
	4 islands	51

Agree with Jim

$\bar{x} = 12.8$

$SE = 3.6$

Goose Is 1818
abundant King

* Ron Johnstone pers comm

p16

1986

Johnstone & Smith 1987
Corella 11, 93-94

Smith & Johnstone Corella 12, 87-88

		J&S ~~1987 Corella 11(3),~~
* 19 Feb	Dawn	15
* 23 Feb	Anvil	9
23 Feb 86	Six Mile Is ✓	No geese
25 Feb/21 Apr 86	Ben ✓	~~No geese~~ (Jim) RE Johnstone pers comm 4
* 25 Feb/21 Apr 86	Forrest	2 Ask Ron (no geese seen)
1 May 86	Cull	15 geese
25 Feb 86	Inshore	No geese
* 18 April Jim has this too	Bollinger	13
* 20 April	Hull	1/59 geese

$\bar{x} = 6.6$

SE = 2.2

9 islands

Source Corella?

6.464

p15

1985 Johnstone & Smith 1987
Corella 11, 93-94

25 Jan 85 / 30 Oct 85 Six Mile No geese
(also 1986)

1984 Johnstone, Smith & Klump (1990)
Corella 14, 131-132.

Johnstone, Smith & Klump 1990, Corella 14, 133-134. JS&K 1990 Corella 14, 135-136
I Cooke (unpubl. File 015057F3102 vol 5, f 26)

28 Mar 84	Wickham	30 geese
28 Mar 84	Gulch	7 geese
27 Mar 84	Skink	1 goose
19 April 84	Sandy Horst	28+ geese.
4 islands		66 geese

Agree with Jim

$\bar{x} = 16.5$

SE = 7.3

p13

1983

I Cooke Dept file
015053F102 vol 1, f 155

8 Feb 83	Sandy Hook	4 geese
26 Oct 83	Rocky	No geese
25 Oct 83	Cull	3 geese

1982

SG Lane (1984) Further notes on visits to islands of the south coast of Western Australia. Corella 8, 64–66.

see also

Lane, S.G. & Dunn, A.K. (1985) Charley Island, Archipelago of the Recherche, Western Australia. Corella 8, 119–120.

check

* Anon. 1984. Western Australian bird report. Report 6. Royal Australasian Ornithologists Union, Perth ?

	21 Oct 82	Charley	8 geese (+1 dead)
	23 Oct 82	Naves	No geese
	28 Oct/3 Dec 82	Lorraine	2 geese
	2 Nov 82	Hood	5 geese
	26 Oct 82	Woody	3 geese
*	5 May 82	Cull	3 geese
	1 Nov 82	Fig of Eight	9 geese
		7 islands	30 geese

$\bar{x} = 4.29$

$SE = 1.23$

1982 Avifauna of islands off Esperance, western Australia. Corella 6, 37-39

p11

1981

SG Lane (1982) Corella 6 (3) see also

issue devoted to seabird islands – these comes from island accounts

$\bar{x} = 405$
$SE = 2043$

* Tingay & Tingay (1982) Corella 6 (3)

	10 Nov 81	MacKenzie	2 geese (3) – Jim
*	22 Oct 81	Hood	6 (2+4 yng) – Jim omits
	12 Nov 81	Ram	No geese ✓
	3 Nov 81	Lorraine	Geese present (no numbers given) – Jim has 1
	3 Nov 81	Naves	No geese ✓
*	21 Oct 81	Middle	No geese – Jim omits
	31 Oct 81	Frederick (also referred to as Goose Is)	7 geese ✓
EXCLUDE *	27 Feb 81	Sandy Hook	Geese present / no number given, EXCLUDE
	2 Nov 81	Remark	No geese ✓
	12 Nov 81	Long	Geese present, no numbers – Jim has 3
	4 Nov 81	Cull	30 geese ✓
	24 Oct 81	Observatory	Geese present, no numbers – Should be Ø
	3 Nov 81	Fly of Eight	5 geese ✓
		12 islands	54

Jim gives results for 9 islands and 49 birds

Black Rabbits on Goose Is — Ian Abbott exclude geese

1977 p10

Big Green (Ian Norman) Utilisation pasture

Abbott & Black (1978)

checked with Ian

25-27 Apr	Mondsein	2
25 Apr 77	Wilson	7 geese
28 Apr 77	Salisbury	No geese seen.
Jim has	Hood	6
"	Cull	60

Mueller-Dombois compares species lists for his trip + Porosum.

5 islands — 75 geese

$\bar{x} = 15.0$

$SE = 11.32$

p9

1976 ← J R Soc WA 60, 115-128

I R

Abbott & Black (1978) An ecological reconnaissance of four islands in the Archipelago of the Recherche, Western Australia

* Goodsell, J., Tingay A. & Tingay, SR (1976). A resource survey of Woody Island, Archipelago of the Recherche Dept Fish. Wildl. West. Aust. Rept 21, 1-32.

*	3-16 Feb	Woody	2 geese * 6+
	16-29 Feb	Mondrain	2 geese + 5 = 7 geese

in pulsl, confirmed pers comm

1969 D F Dorward (unpubl.)

Visited on ground
* both ground & air

Cull *	34 ✓J geese
Rabbit	14 ✓J geese
Charley (= Charlie of Dorward)	
Sandy Hook *	7 ✓J geese (4 + 3 y.o.j)
Remark (= Remarque of Dorward)	2 ✓J
Frederick	12 ✓J

Flew

Ram	
Hope	
Mondrain	
Hood	
Wilson	
5 islands	69

All islands had geese but in low numbers - numbers given by Dorward probably are biased upwards though he talks of difficulty seeing birds and thinks his counts are underestimates except on Cull & Rabbit.

$\bar{x} = 13.8$
$SE = 5.46$

Also in 1969 2 at Hopetown
3 Cape Naturaliste

Agree with Jim

though see comments above

1968

J Williams (unpubl)
File 015054F3102 vol 2, ff 13-15

16 Dec 68	Cull	27 geese
17 Dec 68	Fig of Eight	9+ geese
17 Dec 68	Boxes	7 geese
17 Dec 68	Capps	No geese

4 islands
43 geese

$\bar{x} = 10.8$
$SE = 5.8$

Jeanette Gilmour

P7

1968

? J. Williams (unpubl.)

Dept file 015 054 F3102 'Recherche Arch'
vol 2 ff 13-15

probably the source of 1968 data
check with Jim

4 islands 43 geese

$\bar{x} = 10.8$

SE = 5.8

Dave Pearson
Andrew Bulbridge
Steve van Leeuwen.

Reptiles
Mammals

p6

1958

Sam Bowles (unpubl)
SW Bowles

Dept file 015056F3102 'Recherche Arch'
vol 4 ff95-99

haven't seen,
assume Jim is correct

must be series,
of Recherche files,
didn't get this
number.

[Jeremy Hogarth
ABC Nat Hist Unit
1 hr film on adaptability of animals]

$x = 4.0$
$SE = 0.80$

1950 Serventy (1952) —

7 Nov 50	Fig of Eight	3 geese	
9 Nov 50	Boxes	7 geese	
10 Nov 50	Sandy Hook	1 goose	
11 Nov 50	Remark		
11 Nov 50	Long	12 geese	
12 Nov 50	Pasco		
12 Nov 50	Mondrain		
16 Nov 50	Terminatin	12 goose	
18 Nov 50	Round	2 geese	
19 Nov 50	N Twin Peaks		
20 Nov 50	S Twin Peaks		
20 Nov 50	Cave		
21 Nov 50	Wedge (=Kermadec)	4 geese	
21 Nov 50	Combe (=Westall)	6 geese	
21 Nov 50	Middle		
23 Nov 50	Douglas	1 goose	
23 Nov 50	Goose		
24 Nov 50	Salisbury		
28 Nov 50	Christmas (=Dawn)	12 geese	
	Hastings	6 geese	
	Cliff	3 geese	
	Thomas	6 geese	
	22 islands	75 geese	

Visited at front as islands visited (landed?)

Passed by?

* Owen, Stanley, George, Miles, Gulch, Goose (now called Frederick) ← Listed as historically good islands for geese

* NE Stewart in Serventy (1952) claims that ca 1940 saw 80+ birds on island

$\bar{x} = 3.041$

$SE = 0.90$

Jim records only 13 islands with birds

1944 Serventy DL 1947 Notes from the Recherche Archipelago, Western Australia Emu 47, 44-49.

Jan 6 '44	Charley Is	No geese
Jan 10 '44	Lion Is	No geese
Jan 7 '44	Woody Is	2 geese
Jan 15 '44	Masts Is	No geese
exclude [Jan 7 '44	Gunton Is	Incomplete obs^n [exclude]]
Jan 15 '44	Stokin Is	2 geese

Jim had same

$\bar{x} = 0.80$

$SE = 0.49$

1921 ~~Bassett~~ Hull AFB (1922) A visit to the Archipelago of the Recherche S.W. Australia Emu 21, 277-289.

Nov 26 1921	Lion Is ✓	No geese
Nov 29 1921	Charley Is ✓	No geese
Dec 3-4 1921	Mondrain Is ✓	No geese
Dec 4 1921	Rob Is ✓	4 geese
Dec 4 1921	Woody Is ✓	No geese
Dec 10 1921	Rabbit Is	No geese ← missed by Jim
Dec 12 1921	Grenton Is	No geese
	7 islands	4 geese

ie 6 islands only

$\bar{x} = 0.57$

$SE = 0.57$

Mammoth Cave record also 1921

1803 Flinders (1814)

Jan 18-20	islets E of N end of Middle Is	→	12 geese (all here?)	p 266
	Middle Is	→	probs no geese	p 266

Jim records only 12 on E islets (='Miles')
ignores Middle Is

Goose records in Recherche p1

1802 Flinders (1814)

Jan 13 1802	Mondrain ← Flinders' crew set it on fire →	prob no geese	p83
Jan 14 1802	Goose Is →	25 geese	p87
Jan 16 1802	'islets E of N end of middle = Miles + →	27 geese	p88 (also see p266)
Jan 15 1802	Middle Island →	prob no geese	
Jan 13 +/- 1802	Lucky Bay →	some killed in Lucky Bay (on shore?) but also on adjacent islands	p83

Total number procured in 1802 = 65 p266 (compares totals in 1802/1803)

Jim records only:
- Goose Is birds
- E islets birds as 'Miles'
- Lucky Bay birds as area reference.

Also visited Seal Is, KGS.

Dec 9 1807 No mention of CBG – killed seals & searched island p54

[claims – b/e/d
– claim pilots' costs]

15% overtime – Alan against waterlands
Grant against CBG
[time in lieu for weekends]

23/4/93 BH AAB GP

1241.	T/off	CBG.	
1256	173A.		
1257	172		
1258	Gulch	~~2 + 2 CB~~	
	Whickham	4.	
1320	Cooper	9	
1322.5			
1332	Salisbury		
1355	Dorne		
1402	Douglas	8 (AB)	
1407	Archdeacon		
1408	Hasler		Wdrs 3a
1410	Minicom		
	Brewers		
1413	?		
	Glennie	8CBG (AB)	
	Doly awash		
1435 1440	Goose		1 Sooty
	~~Dyers~~ Miles	2.	4 Sooty
	177		
	176	2 (AB)	
	175		
	174		Seals Br
	George		
1455	Arid		
	168		
1457	169		
1458	164		
1459	Borrie		
	Brwy	2. AB	
	163	7 AB	
	162		
1505	161.		
1514	T/down		

23/4/93 SH BH GP

0840 Cape Arid
0844 T/off
0904 Boulanger Isd
0909 185
0911 186
187
?
0921 194
0931 206
0935 Spindle
0940 Pointe T = 9. (SH)
207 2 Sooty
211 5 Hoop + 40 wedges
Ford
0959 New Year 16 + 3. 4 Sooty
Dow Isd 7 + SH. 6 Sooty
1011 New Year Isd T/off 1057
1113 203
1115 Round 27 CBG
East Pasley 1 Hoop
Pasley ~~the~~
West Pasley (8 CBG SH)
1209 Cape Arid

20/1/93. Esperance Cape Barren Goose Survey 20/4/93

0750	Start up				
~~Black~~	0806 -	Black Iso			
		Magistrate Rocks			
		Seal Rock			
	0812 9 mins.	Woody Iso	Sigl	2	
			Pac. Gull	2	
	3 mins 57	Thomas	Pac Gull.		
			Sooty	2	
0821	2 mins 18	Gunton	Sooty	2 . 2	
	Total 6 min 10sec				
		Little West Rocks			
	0837 2.0m	Unnamed Isl	Sooty	~~Sooty~~ 2	
	0844. 10.10				
	Cret. 5.04	Long Isl	CBG	2+2	2 nth side 2 west side
	Total. 9.32				
	08 3.28	Remark Isd			
	0911	Frederick			
		Corbett Isd.	Sooty	2 . 2 . 2	
			CBG	2 . 2 . 2 .	
	Land	Wilson			
	1000 Resume. Svy	Wilson			
	1002	Hood Isd	Sooty	2	
	Tot. 6.30sec		CBG	2+3+3.	
	2.30 sec	Howe NH	Sooty	2 . 1	
			CBG	2 . 7	
	10 08 30 Secs.	Howe Sth	SOOTY	2	
			CBG	2	
	7 Secs	Gibraltar + Rock			
	1017 6.26sec	LVKIC			Colony from Seals
	1.00	LVKIC NH	CBG	5 (SALL)	

gap before talking and finish 2
talk down to mike, clearer,

20/4/93

Date / Time	Location	Species	Numbers	
	ISD 58	—		
1035	To ESP			
~~E~~ 1057	ESP			
1059	off			
1127 S/up	Rock	Sooty	2	
1128 lift off	HIGGOR ROCK			
	Caps ISD			
	BOXER	Sooty	2	
	SLIDL			
	BEDR	CBG	2	SH
1153	figure of 8	CBG	5	SH
12.00 left				
~~1250~~				
12.25	termination			
12.29				

1437 Search on			
1440 Take off legs.			
6.30 sec	Coast		
1448	Low Rock	—	
	Lamport Rock	—	
		Sooty	2
1451	Lion Isd	Sooty	2
1452	" " Eastern		
	Murray Rock		
1459	Cliff Isd	CBG	2
1562	Closed Isd		
1504	Pascoe Isd		
1508	Hastings		f
1512			
1513	Unnamed Rock		
1516	Unnamed Isl of Mondrain		
1518	out		
1526	Pearson ①	Sooty	2
	Pearson Isl	CBG	2
	Draper		
1537	Draper East		
1543	Finger		
	South		
1547	Hugo		
	Mondrain West 1		
	West 2		
	West 3		
	West 4	Sooty	2
	Mondrain	CBG	2 (AAB)
1618 out		Sooty	2
1621	Hole		
1625	Ram	Sooty	2
1633	Near ENT		

1658 Esperance

22/4/93

1

22/4/1

Esp			CBC ~~Sooty~~	Sooty	Crested	F/Seal	S/Lion	W Fldr	Oth
0856	S/UP								
0902	T/Off								
0920	; #54	Thistle Cove Rocks	122 11 09·4 34 00 50·2	~~Rock~~	30				
0922		Black Rock	Awash						
		Rob Isd		2·2					
0925 - 0926		Roy Isd.							
		Small Rock S/E Roy Isd		—					
	#56	139. -		—					
	#57	136 -		—					
	D	Tony West							
	b	Tony Rock 1							
	c	Tony Rock 2		2					
0938	a	Tony East		2	2				Gannet/Ab
0946		Beaumont	34 04 41·9 S. 122 29 54·9 E 34 05 21·5 122 31 38·8	1+1	2+2	40	60		
↓									
0949									
0954		Cornwall		—	1+4				
0957		York Isd Rock 1	= E				✓		
		York Isd. Rock 2	= D	4	2			1	
		York Isd Rock 3	a	—	3.				
		York Isd	c	—	2	4			
		MART Isd Rock 1	d		2				
		" " Rock 2	c		2				
		" " Rock 3	a						
1005		Mart I. 1	E		2				
		" " Rock 4	M		2.				
		MART Isd 2	K	—	-				
		Mart Isd 3	J	2.	2				
		" " 4	G						
		~~Tizard~~	34 00 33 .4 122 40 27·6						
1017		Tizard	34 01 02·5 122 40 41·3		2·2			1	Warden
		Whanton	33 59·30 122 43·05	6					
→	#158	Creek Isd Rock							BF 50 Shags
		Creek Isd.		2					

	Coords							
		Forrest Isd	2.C.BG.	2 Sooty	W Fltn	Seal		
	149.	Orleans bay Rock 1						
1031	122 40 25 33 55 13 145	Rock 2						Hoop
	122 36 28.8 33 55 11.0	Jolm Isd						
		High Isd		2				
1037		Table Isd		2				
1039		Nares Isd		2	1			
	33 56 55 122 31 39	Lorraine I.		2.1				
	154 =	Channel Pt. Rocky outcrop	=					
1046	122 31 46.7 33 57 43.6	Station I	2	2.				
	153.	Station Rock						
1049		~~Bagley Isd~~						
1049	152	Barely Isd	2.1	2				
1054 - 1134	122 23 12.1 33 56 57.1	Kimberley I.	2.2					Rock Lorrolis (40)
1136		Broughton I	2.10	1.2.1				
		Free I.	2.	2.				50 Crested Tn
1149	33 57 09 122 18 18	94	2.2	2				
1149 - 1151		91 inc Rocks						
1152	100 =	97 a						
	99 =	98 B		1.				
1154	33 59 18 122 18 10 102 =	97 C						Rock Lorrolis (60)
	103 =	97 D		2.2.1				
1157	97 =	Mississippi Pt	2	2.2				
1225	Esperance hand							
1228	Switch off.							

23/4 Route 1

50 mins

Bellenger Is	32
4 small islands 184, 185, 186, 187	42
end up N of Franklin R	
	12+9+2
6-mile group	66
Ford Is	75
Un-named 207	
Pointe Is	83
	4+2
Anvil Is group	90
Un-named 210, 211, 212	
Un-named 206	95
Spindle Is	100
Dawn Is	112
New Year Is	
Un-named 203	130
Round Island	
Pasley	150
Un-named 201	
Unnamed 182	160
Un-named 183	
Seal Cove Is	
(166, 165)	176

Route 2 23/4/93

	Elapsed time
	5
Un-named (173a)	22
Un-named (172)	25
Gulch Is	30
Wickham (Stanley) Is	35
Cooper Is	55
Salisbury Is	75
Dome Is	90
Douglas Is	101
Helby Is (Archdeacon)	107
Hasler Is	109
Mericom Is	111
Brewis Is	114
Glennie Is	119
Dailey Is	121
Middle Is	140
Goose Is	145
Russell Rock	147
Miles Is	153
Rocks N of Miles 177, 176, 175, 173	155
George Is	157
Owen Is	160
Arid Is	163
Un-named (Cape Arid) (168)	165
Un-named (Arid Bay) (169)	167
Un-named (Barries Anchorage) (164)	169
Barries Island	171
Ruby Is	173
Un-named	174
Un-named } N of Ruby Is 163, 162, 161	177
Un-named	
Fuel	187

Route 3 23/4/93

		5
Un-named (Tagan Pt)	(132)	11
Un-named "	(133)	12
Un-named "	(?)	13
Cap Is		17
Westall Is		28
Foam Rocks		34
Kermadec Is		38
South Turin Peak Is		47
North Turin Peak Is		57
Un-named (S of NTP)	(?)	59
Un-named (E of NTP)	(142)	60
Un-named cluster (E of Cave Is)	(139)	63
Gould Is +		67
Hull Is		70
Tunney Is		74
Godman Is "		76
Taylor Is		81
Inshore Is		85
Un-named (N of Inshore Is)	(127)	86
Ben Island		92

130 mins

22/4/93

	Elapsed time	
	5	
Thistle Cove	43 + 1 = 44	— 10
Black Rock	46	
Roy Sw Island	49	
Roy Is	51	
Lucky Bay	54	
Tory Islands	60	
Beaumont Is	73	
Cornwell Is	80	
York Islands	88	
Mast Islands	102	
Station Is	109	
Station Is West	111	
Baxley Is	113	
Kimberley East	115	
Kimberley Island	118	
Broughton Island	124	
Free Island	129	
Rossiter Bay Islands 94, 91, 100, 101, 102, 103, 97	140	
added some extra when done	150	

CAPE BARREN GEESE.

No.

COLIN BESHMAN - STEARNES RD - 713468.
BARRICK ANCHORAGE - 20/4/94. 2.

---

10 CAPE BARREN GEESE 21/04/93.
Gwen Barnett, Lot 257 Pink Lake Drive. 10. ok
ALWAYS HAS 2/3 pairs, this year 10 COME & go.

Gwen Barnett - as above 22/04/93 8. ok

Colin Beshmen 30/40.
Stearns Rd - 713468.

D

We need lat long for all islands in this group

19.05.93

Cape Barren Goose Counts: Western Australia — Page 1
All Surveys (Except 1992)
Includes all Island and Mainland Areas

34

Degrees E Longitude
Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
2 (nr Hendy R)		.5																																			0
6 (nr Bishop)		.1																																			0
7 (nr Bishop R)		.8																																			0
8 (nr Corbett)		8.0																																			0
11 (nr Corbett)		5.0																																			0
12 (E of Draper)		.3																																			0
13 (nr Bishop R		4.0																																			0
28 (nr Charley)		.8																																			0
45 (nr Finger)		6.0																																			0
46 (Finger South)		4.0																																			2
54 (Thistle Cove)		.3																																			0
56 (Lucky Bay)		8.0																																			0
57 (Lucky Bay)		34.0																																			0
58 (nr Cloud)		2.0																																			0
62 (nr Ram)		.1																																			0
63 (E of Frederick)		.1																																			0
68 grp (nr Hastings)		1.3																																			0
73 (S Hastings)		1.0																																			0
75 (nr Mondrain)		.7																																			0
76 (nr Mondrain)		.9																																			0
77 (nr Mondrain)		.9																																			0
78 (nr Mondrain)		4.0																																			0
79 (nr Howe)		6.0																																			4
80 (nr Howe)		9.0																																			0
81 (nr Lybkie)		5.0																																			2
84 (nr Lybkie)		2.0																																			2
85 (nr Lybkie)		17.0																																			5
86 (E MacKenzie)		.4																																			0
89 (E MacKenzie)		.9																																			0
94 (Rossiter Bay)		11.0																																			0
95 (Rossiter Bay)		17.0																																			4
97 (Mississippi Point)		9.0																																			2
108 (nr Lion)		.7																																			1
116 (nr Thistle)		.3																																			0
117 (S North Twin Peak)		1.0																																			0
126 (W Inshore)		3.0																																			1
127 (Alexander Point)		5.0																																			0
132 (Pavement R)		6.0																																			0
133 (Lichen)		6.0																																			0
134 (E Tagon Point)		1.0																																			0
139 group		.5																																			4
142 (E North Twin Peak)		14.0																																			0
145 (nr Forrest)		3.0																																			0
149 (nr Forrest)		.8																																			0
153 (nr Station)		4.0																																			0
154 (Cheyne Point)		2.0																																			0
158 (nr Creek)		3.0																																			0
160 (nr Thomas River)		1.0																																			0
161 (nr Ruby)		3.0																																			0
162 (nr Ruby)		1.0																																			0
163 (nr Ruby)		2.0																																			7
164 (Skink)		12.0																									1			18							0
168 (W of Cape Arid)		4.0																																			0
169 (W of Cape Arid)		2.0																																			0
172 (nr Gulch)		14.0																																			0
173 (nr Miles)		2.0																																			0
173a (nr Mt Arid)		2.0																																			0
174 (nr Miles)		.8																																			0
175 (nr Miles)		3.0																																			0
176 (nr Miles)		12.0																																			2
177 (nr Miles)		1.5																																			0
183 (nr Pasley)		3.0																																			0
184 (N Bellinger)		4.0																																			0
185 (N Bellinger)		4.0																																			0
186 (W Franklin)		1.5																																			0
187 (W Franklin)		8.0																																			0
194 (Six Mile group)		2.0																																			0
203 (nr Round)		6.0																																			0
206 (E Anvil)		3.0																																			0
207 (W Anvil)		6.0																																			0
210 (S Anvil)		6.0																																			0
212 (E Anvil)		16.0																																			0
214 (W New Year)		4.0																																			0
Archdeacon (Helby)		23.0																																			0
Back Passage																																					0
Bald ___ Not Recherche																																					7
Beach near Cape Arid ___ Not Recherche																																					2
Bishop R		3.0																																			2
Black		71.0																																			0
Black R		.1																																			0
Brewis		1.5																																			0
Burton Rocks		4.0																																			0
Busselton																																					0
Button		4.0																																			0
Canning		7.0																																			0
Cap		4.0																																			0
Cape Naturaliste ___ Not Recherche																																					2
Cave		4.0																																			2
Charley		88.0							0		0				6											8											0 1993
Cooper		62.0																																			6 N 20%
Creek		8.0																																			19
Dailey		4.0																																			2
Davy		10.0																																			2
Devils R (= 27)		.8																																			0
Dome		10.0																																			0
Doubtful (East) ___ Not Recherche																																					0
Doubtful (West) ___ Not Recherche																																					0
Draper		28.0																																			0
Finger		10.0																																			3
Franklin R		.1																																			2
Fur R		8.0																																			2
George		6.0																																			0
Giant R (a) & (b)		1.9																																			0
Giant R (c) & (d)		.6																																			0
Big R		.1																																			0
Godman		14.0	1802									1947																									5 1993
Goose		56.0	25									0																									0 1993
Gould		17.0						1921						1952																							2 1993
Gunton		98.0						0							4																						0
Hasler		10.0																																			0
Hector R		4.0																																			0
Hendy		3.0																																			0
High		14.0																																			0
Hopetoun ___ Not Recherche																																					0
Hugo		3.0																																			2
Hull		34.0																																			0
Lake Cobham ___ Not Recherche																																					0
Limpet		4.5																																			0
Little		6.0																																			0
Lorraine		12.0																																			0
Low		5.0																																			0
Lucky Bay area			13																																		
Magistrate Rocks		.1																																			
Mammoth Cave ___ Not Recherche																																					
Manicom		4.0																																			0
Mart (a)		1.5																																			0
Mart (c)		3.0																																			0
Mart (d)		.5																																			0
Mart (e)		34.0																																			0
Mart (f)		2.0																																			0
Mart (g)		26.0																																			2
Mart (j)		14.0																																			0
Mart (k)		30.0																																			0
Mart (m)		10.0																																			0
Middle R		2.0																																			0
Munglinup ___ Not Recherche																																					0
Murray R		.8																																			0
Nares		6.0																																			0
Narrikup ___ Not Recherche																																					0
Observatory		82.0																																			11
Pasley		76.0																																			0
Pearson (a)		16.0																																			2
Pearson (b)		18.0																																			8
Pink Lake Drive ___ Not Recherche																																					0
Rob		23.0							4																												0
Rocky Islands		41.0																									0						0				0
Roy		7.0																																			2
Ruby		2.8																																			0
Rug R		3.0																																			0
Russell R		1.5																																			0
Sail R		.1																																			0
Seal R (Doubtful Islands) ___ Not Recherche																																					0
Slipper		4.0																																			0
Smith R		1.0																																			3
South Twin Peak		102.0																																			3
Spindle																																					0
Square R		.4																																			0
Steep Rocks		.1																																			0
Swell R		.1																																			0
Table		3.0																																			0
Taylor R		.1																																			0
Tizard		7.0																																			2
Tory (a)		35.0																																			0
Tory (b)		3.0																																			0
Tory (c)		8.0																																			0
Tory (d)		14.0																																			0
Twin Rocks		3.5																																			0
Whale R		.8																																			6
Wharton		18.0																																			0
York (a)		6.0																																			0
York (b) & (c)		23.0																																			4
York (d)		12.0																																			0
York (e)		2.0																																			0
Number of Islands =			2	0	0	0	0	4	1	2	1	1	0	1	2	1	0	2	0	0	0	0	1	0	2	2	1	1	0	1	1	0	1	7	6	0	162
Number of Islands surveyed			38	0	0	0	0	6	1	0	2	0	0	1	10	0	0	5	0	0	0	0	5	0	1	10	0	1	0	1	10	0	0	18	0	0	133
Total CB Geese counted								1921		1944				1950		1958		1968	1969		1977				1981	1982		1984			1987	1988		1990	1991		

Munglinup p226
EP CALM file 014552F3807
Boutlier p74
Cape Nat
Hopetown 1945 / 1969 DP down N of Hopetown p84
Lake Cobham JM 86 p123
Gunnadorah Stn 1984 PM Jan/Feb
Nearly Jan/Feb

PARADOX

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Doubtful (Middle) — Not Redundant																																	0				0
Red (Fitzgerald River NP)	47	12.0																															7				4
Number of Islands =																																					
Number of Islands Surveyed			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	4

120 Degrees E Longitude

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
West	28																																0				0
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

121 Degrees E Longitude

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Red	21	36.0																														2	15	40	22	5	11
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15	40	22	5	11

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
Figure of Eight	36	248.0											3			9									5	9						5	0	23	0	6	16	H	10%
Boxer	40	166.0											7			7							52									4		4	0	2		N	17%
Seal R	40	5.0														8																Ø			0	0	0		
Capes	41	38.0																														4			3	2			
Six Mile Hill — 331 Redundant																																			11	11		M	
Habbit	53	12.0							Ø								14								38	3	3			15					35	78			
Gull (Gull)	54	46.0													2		27	34			58				3							Ø				13		H	33%
Long	58	162.0											12																						9	22			
Corbett	59	80.0																2							8										0	8			
Reark	59	102.0											Ø																				0	Ø		11		N	25%
Termination	59	52.0											12																			Ø				4		N	33%
Thomas	59	52.0											6			4																							
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	0	0	0	5	0	2	0	4	3	0	0	1	0	0	1	4	1	1	0	0	1	0	1	2	3	3	8	12		
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	40	0	6	0	43	50	0	0	60	0	0	52	38	9	3	0	0	15	0	5	0	6	0	85	151		

122 Degrees E Longitude

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
Frederick	0	80.0																12			7				7											10	14		
Wilson	0	90.0																																		0			
115 (nr Sunton)	1	12.0																																	10	9			
Howe	1	44.0																														2			2	0		N	20%
Lion	1	11.0						0		0								7									4	26				25	3			0		N	12%
Sandy Hook	1	238.0											1													3						2				0		N	13%
Woody	1	196.0						0		2											5				6	5						2			7	12			
Hood	3	96.0																																	2	0	4		
82 (Lybkie)	4	6.0																																	2	1	0	H	33%
Cliff	6	16.0											3																							0	0		
Cloud	6	24.0																							22										2	2	2		
MacKenzie	6	36.0																																		0	0		
Pasco	6	44.0											Ø																			4		3	5	4		N	25%
Hastings	8	41.0											6																							0	0		
New	9	24.0																							0										2	5			
Ram	9	115.0																														2		2	0	2			
Hope	10	22.0																																		0			
50 (S of Mondrain)	13	1.0																			2														2	2		H	33%
Mondrain	16	810.0	Ø					0					Ø																							0	0		
99 (Rossiter Bay)	18	2.0																																		0	0		
100 (Rossiter Bay)	19	3.0																																		0	0		
102 (Rossiter Bay)	18	4.0																																		9	0		
103 (Rossiter Bay)	18	2.5																																		2	2		
Free	24	16.0																																		1	12		
Broughton	26	18.0																																	4	11	4		
95 (Kimberley)	28	12.0																																					
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	3	0	2	0	0	3	0	0	0	0	2	0	0	1	0	0	0	3	2	1	1	0	0	0	3	1	3	7	21	26		
Total CB Geese counted			0	0	0	0	0	0	0	2	0	0	10	0	0	0	0	19	0	0	6	0	0	0	10	0	4	28	0	0	0	6	3	9	16	66	88		

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
152 (Barely)	30	15.0																																	8	3			
Station	31	46.0								2																								4	7	2		N	25%
Beaumont	32	37.0																																4		2			
Cornwall	32	22.0																																	0	0			
John	36	4.0																																	4	2			
Forrest	42	28.0																																	0	0			
Ben	45	34.0																													6			1	2	0		N	33%
Kermadec (Wedge)	49	24.0											4																						2	2			
Tunney	49	30.0																												0					0	0			
Inshore	50	26.0																																	8		0		
North Twin Peak	50	272.0											Ø																					7	3	2	11		
Taylor	52	22.0																																	8	14	22	H	25%
Westall (Combe)	58	78.0											5																										
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	4	3	11	13		
Total CB Geese counted			0	0	0	0	0	0	0	2	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	22	4	39	44		

123 Degrees E Longitude

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
Glennie	6	40.0																																6		4	8		
Douglas	8	30.0											1																							0	0		
Arid	9	16.0																																3		7	2		
Barrier	9	12.0																																	8	0	0		
Middle	11	1036.0	Ø	Ø									Ø							0						Ø							0			2	5	N	25%
Miles	14	44.0																																		0	4		
Owen	14	28.0																																		2	13		
Gulch	15	84.0																										7			12								
Wickham	17	43.0																										38			23	37		3	2	4	31		
163 (Seal Creek)	20	2.0																																		0	0		
166 (Seal Creek)	20	6.0																																		0	0		
Number of Islands =																																					
Number of Islands surveyed			1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	2	1	1	3	2	10	11		
Total CB Geese counted			27	12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	35	37	0	12	3	19	75		

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
Salisbury	33	368.0											Ø								Ø													0		0	0		
Bellinger	36	44.0																											11	13				7	2	2	4	H	25%
Round	52	32.0											2																					4	14	31			
Six Mile	58	13.0																											0	0					5	5			
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4	2	3	4		
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	13	0	0	0	11	5	16	40		

124 Degrees E Longitude

Half Degree Block

Location	Long Mins	Area (ha)	1802	1803	1818	1890	1906	1921	1942	1944	1945	1947	1950	1952	1958	1959	1968	1969	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		
Ford (= 211)	0	12.0																																2		4	2		
New Year	3	18.0																																2016	1 1	3	19	N	20%
Baw (Christmas)	4	212.0											12																					2630	6 8	21	39		
Anvil	6	41.0																																28	0 9	5	14		
Pointer	6	33.0																																2		4	11		
Number of Islands =																																					
Number of Islands surveyed			0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	5	5		
Total CB Geese counted			0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	16	37	85		

Overall

Number of Islands =																																							
Number of Islands surveyed	6+2	2	0	0	0	0	7	1	5	1	1	13	1	4	1	4	7	0	1	2	0	1	1	9	5	3	4	2	5	4	6	9	28	27	59	237			
Total CB Geese counted	65+2	12	0	0	0	0	6	1	4	2	0	75	1	16	0	43	74	0	0	66	0	5	52	49	27	7	66	11	29	51	50	25	194	66	267	631			
Min of CB Geese counted	27	12					4	1	2	2	0	12	1	6	0	27	34			0	68		5	52	30	9	4	30	11	15	23	37	15	50	22	35	70			
Max of CB Geese counted	267	12+8					.9	1.0	.8	2.0	0.0	3.6	1.0	4.0	0.0	10.8	10.6			0.0	33.0		5.0	52.0	5.4	5.4	2.3	16.5	5.5	5.8	12.8	8.3	2.8	6.9	2.4	4.5	2.7			
Average Geese/Island	10.7	6																																					
Median Geese/Island																																							
							1921		1944				1950		1958		1968	1969			1977			1980	1981	1982		1984	1985	1986		1988	1989	1990	1991	1992	1993		
							7 Islands 4 geese		5 Islands 4 geese				22 Islands 75 geese		4 Islands 16 geese		4 Islands 43 geese	5 Islands 18 geese			5 Islands 15 geese			8 Islands 52 geese	3 Islands 30 geese			4 Islands 16 geese		5 Islands		4 Islands 51 geese	6 Islands 50 geese	9 Islands 25 geese	28 Islands 194 geese	27 Islands 66 geese	59 Islands 267 geese	237 Islands 631 geese	
							x̄=0.57		x̄=0.80				x̄=3.41		x̄=4.00		x̄=10.8	x̄=10.8			x̄=15.0			x̄=4.5	x̄=4.29	x̄=5.5		x̄=16.5		x̄=5.8		x̄=8.3	x̄=2.8	x̄=6.9	x̄=2.4	x̄=4.5	x̄=2.7		
							SE=0.57		SE=0.49				SE=0.90		SE=0.80		SE=5.8	SE=5.46			SE=11.32			SE=2.43	SE=1.23	SE=1.3												