



Bird Report

Australasian Bittern

Botaurus poiciloptilus (ARDEIDAE)

Endangered in NSW : Endangered in Australia

1 July 1981 - 30 June 2013

Scope of Records - All surveys except Garden Bird Survey

Conditions for use

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These data were collected by amateur bird watchers using various survey methods. Note that on some occasions more than one person may have recorded bird sightings on the same day.

See Data Quality for a more complete description of the quality of these data.

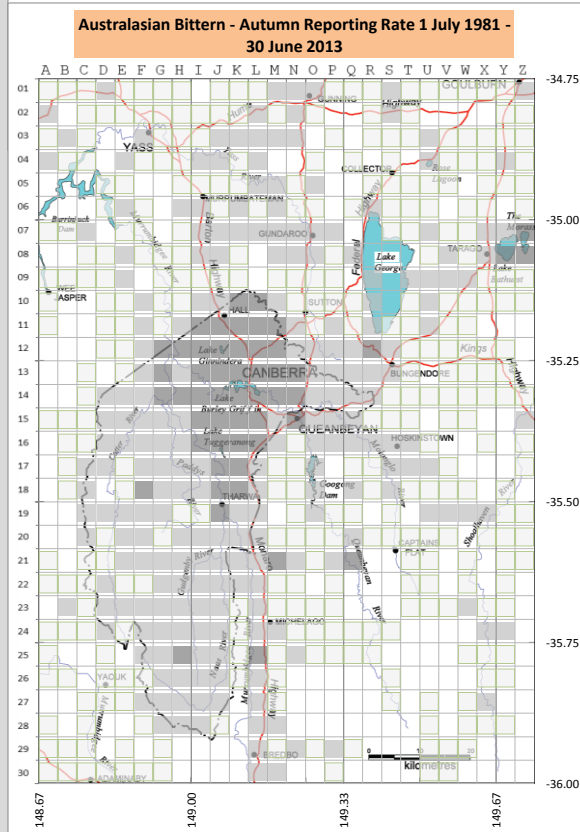
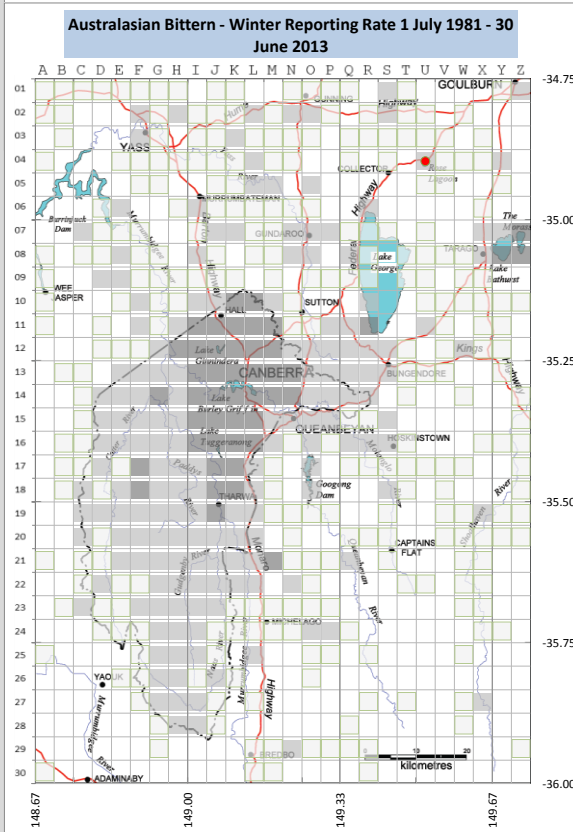
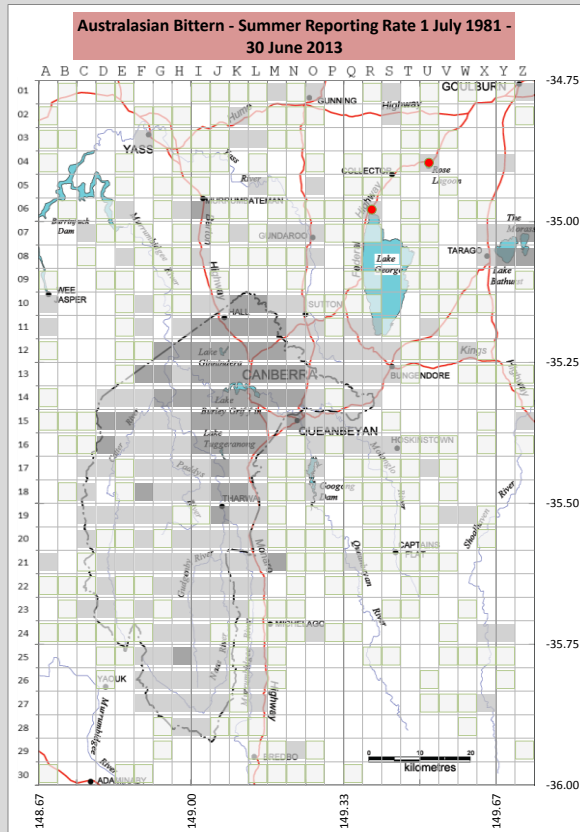
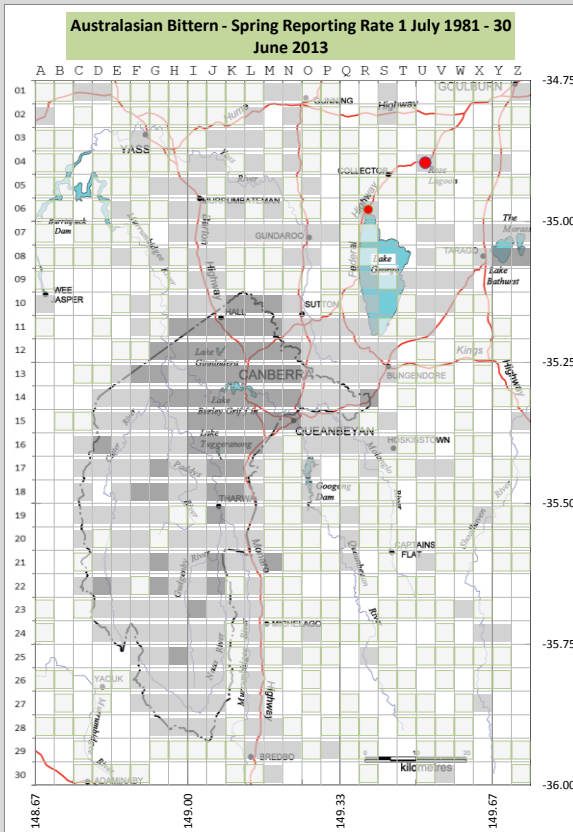
Data collected for the ACT Atlas (1 Sep 1986 to 31 Aug 1989 - Year ending 1987-1990) is included. The number of birds seen was not recorded for these data.

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Seasonal reporting rate



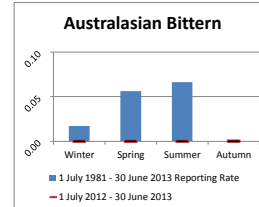
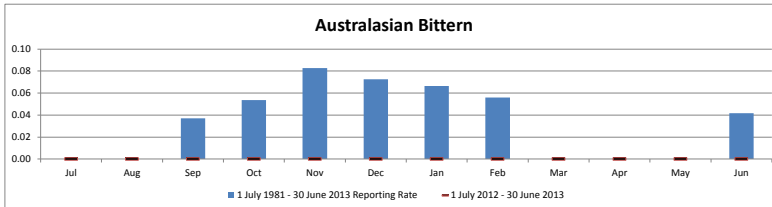
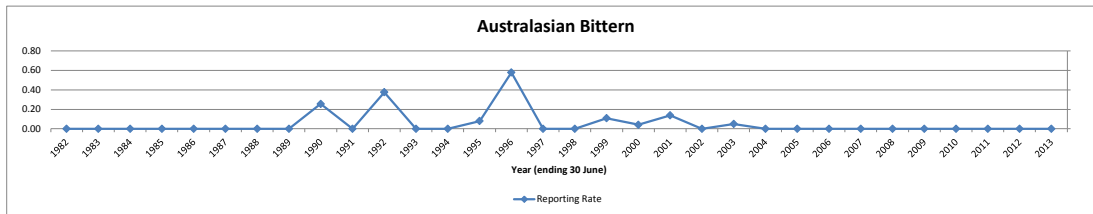
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|------------------------|---------------|--------------|
| □ 1-5 sheets - Caution | ■ 6-49 sheets | ■ 50+ sheets |
| • <1% | • 1%-4% | • 5%-20% |
| • 21%-40% | • 41%-60% | • 61%-80% |
| • 81%-100% | | |

- | | | |
|------------------------|---------------|--------------|
| □ 1-5 sheets - Caution | ■ 6-49 sheets | ■ 50+ sheets |
| • <1% | • 1%-4% | • 5%-20% |
| • 21%-40% | • 41%-60% | • 61%-80% |
| • 81%-100% | | |

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Reporting Rate by year (ending 30 June), month and season

The percentage of sheets that report the species. It is the number of sheets reporting the species divided by the total number of sheets in the period.

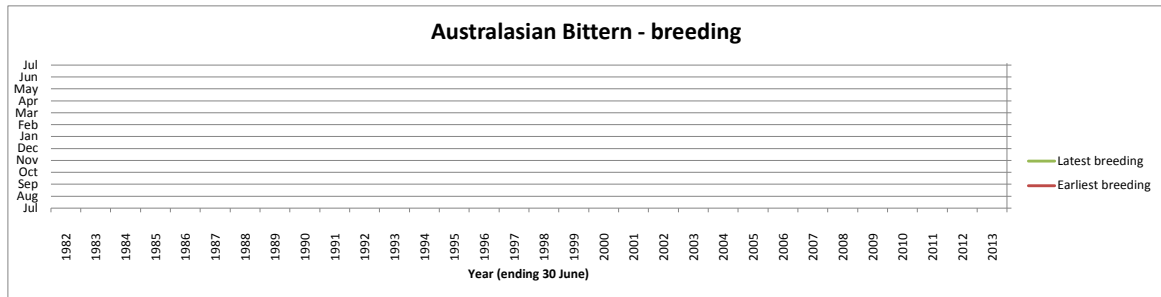
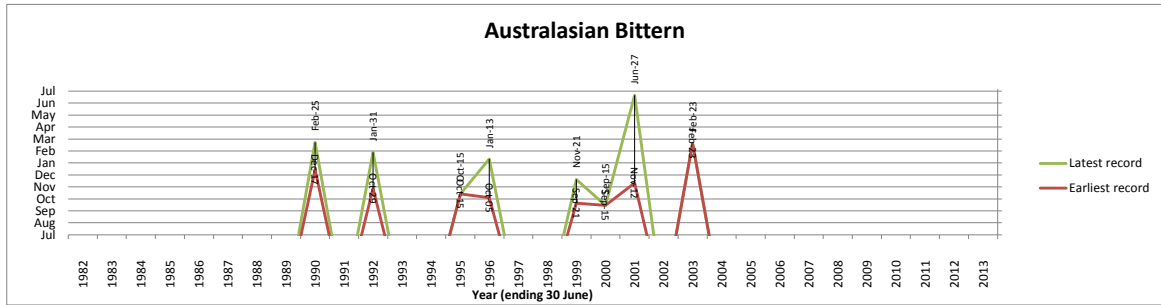


Reporting Rate	Year (ending 30 June)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn	Annual
All years	1983-2013	0.00	0.00	0.04	0.05	0.08	0.07	0.07	0.06	0.00	0.00	0.00	0.04	0.02	0.06	0.07	0.00	0.04
Previous 30 years	1983-2012	0.00	0.00	0.04	0.06	0.09	0.08	0.07	0.06	0.00	0.00	0.00	0.04	0.02	0.06	0.07	0.00	0.04
Previous 20 years	1993-2012	0.00	0.00	0.05	0.05	0.09	0.08	0.03	0.04	0.00	0.00	0.00	0.05	0.02	0.06	0.05	0.00	0.04
10 year blocks	2003-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
	1993-2002	0.00	0.00	0.14	0.20	0.22	0.20	0.08	0.00	0.00	0.00	0.00	0.16	0.06	0.19	0.11	0.00	0.09
	1983-1992	0.00	0.00	0.00	0.08	0.08	0.10	0.24	0.12	0.00	0.00	0.00	0.00	0.00	0.06	0.15	0.00	0.05
5 year blocks	2008-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2003-2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01
	1998-2002	0.00	0.00	0.20	0.00	0.23	0.09	0.00	0.00	0.00	0.00	0.00	0.24	0.10	0.14	0.04	0.00	0.07
	1993-1997	0.00	0.00	0.00	0.58	0.19	0.55	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.29	0.00	0.14
	1988-1992	0.00	0.00	0.00	0.12	0.13	0.16	0.35	0.19	0.00	0.00	0.00	0.00	0.00	0.09	0.23	0.00	0.08
	1983-1987	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Year (ending 30 June)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn	Annual	Year
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2013
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2012
2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2011
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2010
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2009
2008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2008
2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2007
2006	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2006
2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2005
2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2004
2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.05	2003
2002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2002
2001	0.00	0.00	0.00	0.00	0.54	0.36	0.00	0.00	0.00	0.00	0.00	0.97	0.31	0.12	0.14	0.00	0.14	2001
2000	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.04	2000
1999	0.00	0.00	0.59	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.11	1999
1998	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1998
1997	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1997
1996	0.00	0.00	0.00	1.75	0.93	2.04	1.02	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.09	0.00	0.58	1996
1995	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.08	1995
1994	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1994
1993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1993
1992	0.00	0.00	0.00	1.06	1.39	0.00	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.62	0.00	0.38	1992
1991	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1991
1990	0.00	0.00	0.00	0.00	0.00	1.39	1.29	1.41	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.26	1990
1989	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1989
1988	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1988
1987	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1987
1986	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1986
1985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1985
1984	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1984
1983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1983
1982	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1982

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Earliest/Latest observations



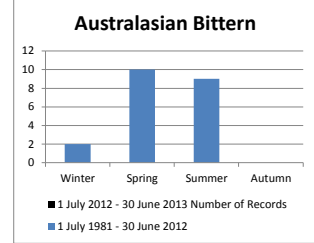
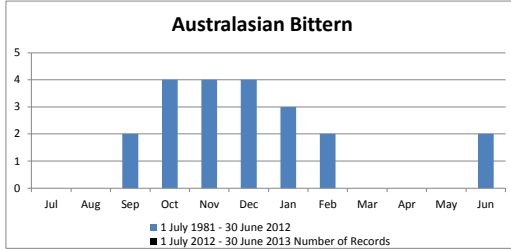
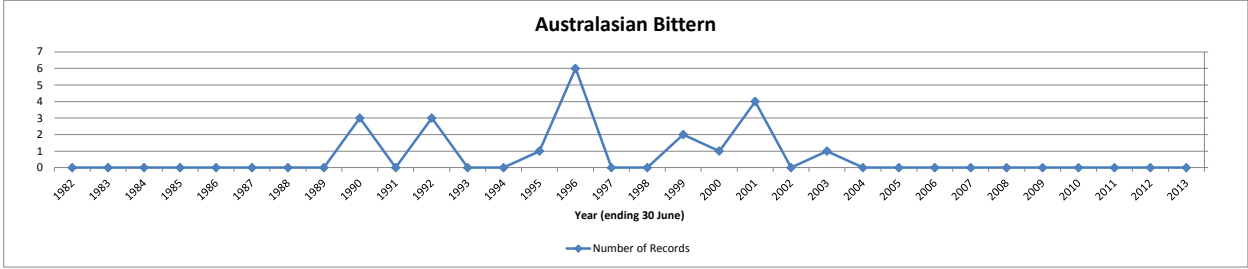
Across years	Year (ending 30 June)	Breeding		NonBreeding		All Observations	
		Earliest Obs date	Latest Obs Date	Earliest Obs date	Latest Obs Date	Earliest Obs Date	Latest Obs Date
All years	1982-2013			Sep-15	Jun-27	Sep-15	Jun-27
All previous years	1982-2012			Sep-15	Jun-27	Sep-15	Jun-27
Previous 30 years	1983-2012			Sep-15	Jun-27	Sep-15	Jun-27
Previous 20 years	1993-2012			Sep-15	Jun-27	Sep-15	Jun-27
10 year blocks	2003-2012			Feb-23	Feb-23	Feb-23	Feb-23
	1993-2002			Sep-15	Jun-27	Sep-15	Jun-27
	1983-1992			Oct-29	Feb-25	Oct-29	Feb-25
5 year blocks	2008-2012						
	2003-2007			Feb-23	Feb-23	Feb-23	Feb-23
	1998-2002			Sep-15	Jun-27	Sep-15	Jun-27
	1993-1997			Oct-05	Jan-13	Oct-05	Jan-13
	1988-1992			Oct-29	Feb-25	Oct-29	Feb-25
	1983-1987						

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Year (ending 30 June)	Observation type		NonBreeding		All Observations	
	Earliest Obs date	Latest Obs Date	Earliest Obs date	Latest Obs Date	Earliest Obs Date	Latest Obs Date
2013						
2012						
2011						
2010						
2009						
2008						
2007						
2006						
2005						
2004						
2003			Feb-23	Feb-23	Feb-23	Feb-23
2002						
2001			Nov-12	Jun-27	Nov-12	Jun-27
2000			Sep-15	Sep-15	Sep-15	Sep-15
1999			Sep-21	Nov-21	Sep-21	Nov-21
1998						
1997						
1996			Oct-05	Jan-13	Oct-05	Jan-13
1995			Oct-15	Oct-15	Oct-15	Oct-15
1994						
1993						
1992			Oct-29	Jan-31	Oct-29	Jan-31
1991						
1990			Dec-17	Feb-25	Dec-17	Feb-25
1989						
1988						
1987						
1986						
1985						
1984						
1983						
1982						

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Number of records by year, month and season

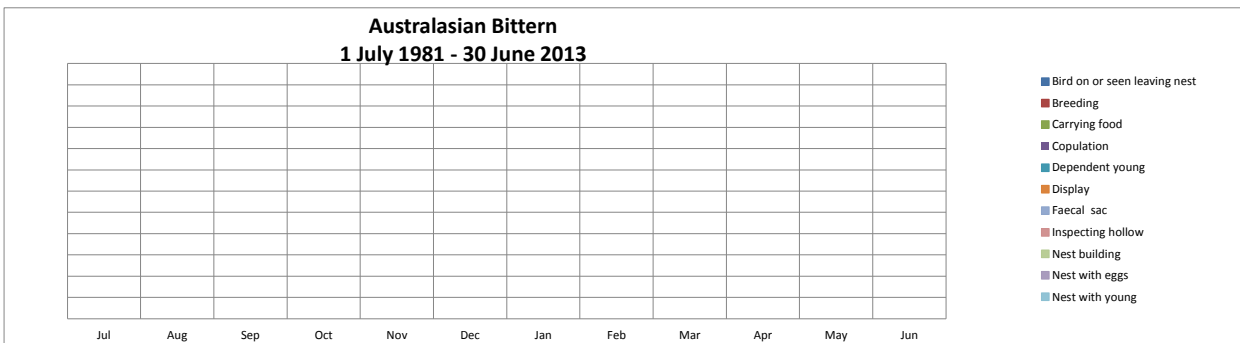
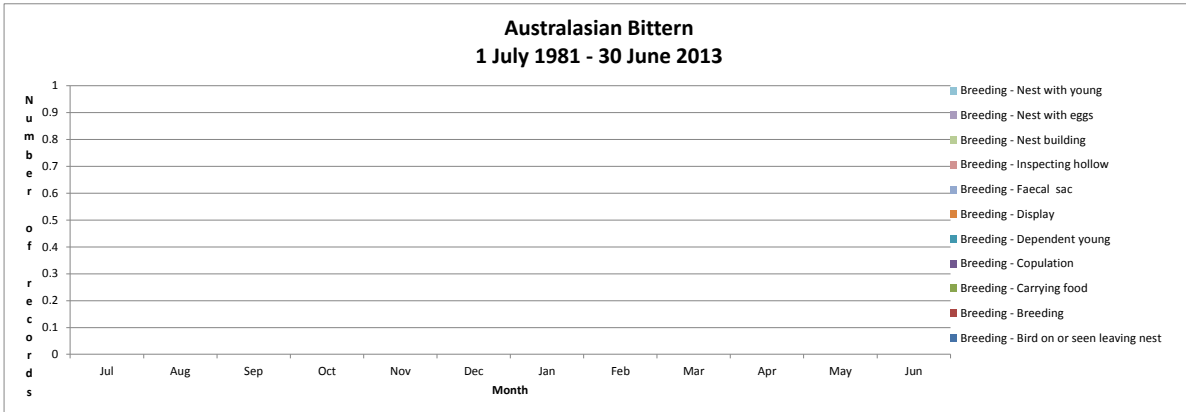


Number of Records	Years (ending 30 June)	Month												Season				Total	Average
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn		
All years	1982-2013	0	0	2	4	4	4	3	2	0	0	0	2	2	10	9	0	21	0.7
All previous years	1982-2012	0	0	2	4	4	4	3	2	0	0	0	2	2	10	9	0	21	0.7
Previous 30 years	1983-2012	0	0	2	4	4	4	3	2	0	0	0	2	2	10	9	0	21	0.7
Previous 20 years	1993-2012	0	0	2	3	3	3	1	1	0	0	0	2	2	8	5	0	15	0.8
10 year blocks	2003-2012	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0.1
	1993-2002	0	0	2	3	3	3	1	0	0	0	2	2	8	4	0	14	1.4	
	1983-1992	0	0	0	1	1	1	2	1	0	0	0	0	0	2	4	0	6	0.6
5 year blocks	2008-2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	2003-2007	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0.2
	1998-2002	0	0	2	0	2	1	0	0	0	0	2	2	4	1	0	7	1.4	
	1993-1997	0	0	0	3	1	2	1	0	0	0	0	0	0	4	3	0	7	1.4
	1988-1992	0	0	0	1	1	1	2	1	0	0	0	0	0	2	4	0	6	1.2
	1983-1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

Number of sheets		Month												Season					
Year (ending 30 June)	Year (ending 30 June)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Year (ending 30 June)	Winter	Spring	Summer	Autumn	Total
2013	2013																		
2012	2012																		
2011	2011																		
2010	2010																		
2009	2009																		
2008	2008																		
2007	2007																		
2006	2006																		
2005	2005																		
2004	2004																		
2003	2003								1								1		1
2002	2002																		
2001	2001					1	1						2		2	1	1		4
2000	2000			1												1			1
1999	1999			1		1										2			2
1998	1998																		
1997	1997																		
1996	1996				2	1	2	1								3	3		6
1995	1995				1											1			1
1994	1994																		
1993	1993																		
1992	1992				1	1		1								2	1		3
1991	1991																		
1990	1990						1	1	1							3			3
1989	1989																		
1988	1988																		
1987	1987																		
1986	1986																		
1985	1985																		
1984	1984																		
1983	1983																		
1982	1982																		

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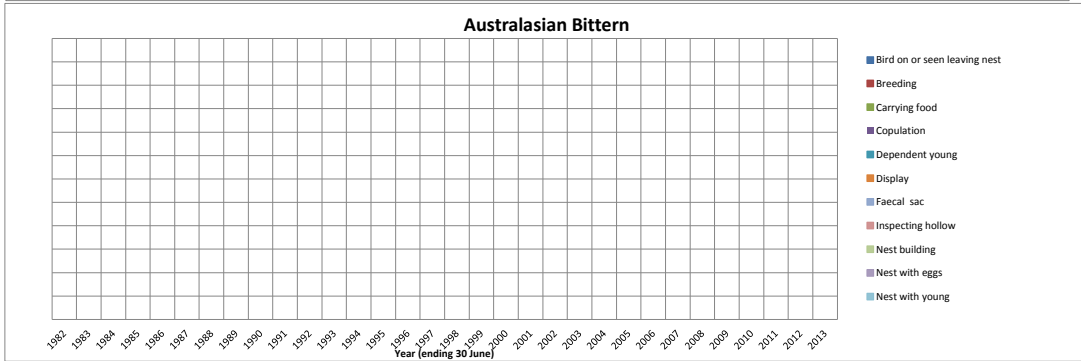
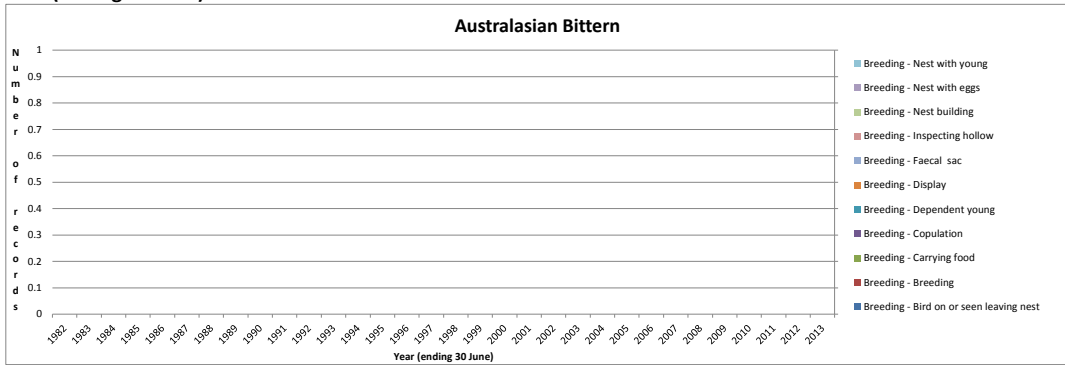
Breeding by month - 1 July 1981 - 30 June 2013



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Number of records	Type of breeding												Grand Total
	Breeding												
Month	Bird on or seen leaving nest	Breeding	Carrying food	Copulation	Dependent young	Display	Faecal sac	Inspecting hollow	Nest building	Nest with eggs	Nest with young		
Jul													
Aug													
Sep													
Oct													
Nov													
Dec													
Jan													
Feb													
Mar													
Apr													
May													
Jun													
Grand Total													

Australasian Bittern
Breeding by Year (ending 30 June)



Averages across years	Bird on or seen leaving nest	Breeding	Carrying food	Copulation	Dependent young	Display	Faecal sac	Inspecting hollow	Nest building	Nest with eggs	Nest with young	All types
All years 1982-2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Previous years 1982-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Previous 30 years 1983-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Previous 20 years 1993-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 year blocks												
2003-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993-2002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1983-1992	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 year blocks												
2008-2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003-2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998-2002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993-1997	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-1992	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1983-1987	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

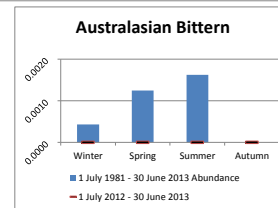
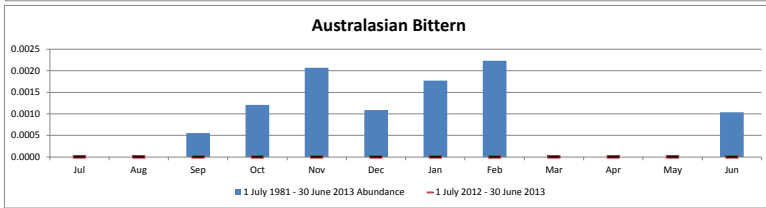
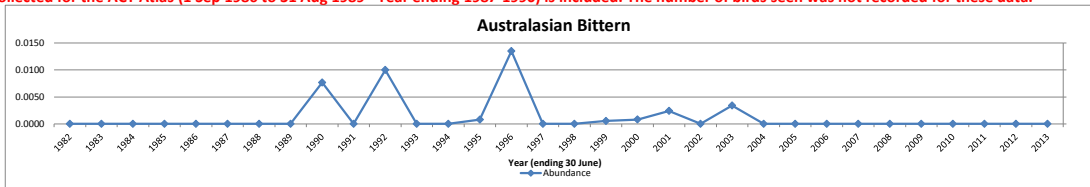
RAOName Australasian Bittern

Number of records	Type of breeding											Grand Total
	Bird on or seen leaving nest	Breeding	Carrying food	Copulation	Dependent young	Display	Faecal sac	Inspecting hollow	Nest building	Nest with eggs	Nest with young	
Year (ending 30 June)												
2013												
2012												
2011												
2010												
2009												
2008												
2007												
2006												
2005												
2004												
2003												
2002												
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1993												
1992												
1991												
1990												
1989												
1988												
1987												
1986												
1985												
1984												
1983												
1982												
Grand Total												

Australasian Bittern

Abundance by bird year, month and season

The average number of birds of this species recorded per datasheet. It is the sum of the number observed divided by total number of datasheets in the period.
 A Datasheet, or sheet, is the list of species seen at a location using a defined methodology or incidental observation. For the Garden Bird Survey, the observations for one observer for one week is considered a datasheet.
Data collected for the ACT Atlas (1 Sep 1986 to 31 Aug 1989 - Year ending 1987-1990) is included. The number of birds seen was not recorded for these data.



Abundance	Year (ending 30 June)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn	Annual
All years 1982-2013		0.0000	0.0000	0.0006	0.0012	0.0021	0.0011	0.0018	0.0022	0.0000	0.0000	0.0000	0.0010	0.0004	0.0012	0.0016	0.0000	0.0000
All previous years 1982-2012		0.0000	0.0000	0.0006	0.0013	0.0022	0.0012	0.0020	0.0025	0.0000	0.0000	0.0000	0.0011	0.0005	0.0013	0.0018	0.0000	0.0000
Previous 30 years 1983-2012		0.0000	0.0000	0.0006	0.0013	0.0022	0.0012	0.0020	0.0025	0.0000	0.0000	0.0000	0.0011	0.0005	0.0013	0.0018	0.0000	0.0000
Previous 20 years 1993-2012		0.0000	0.0000	0.0008	0.0009	0.0025	0.0008	0.0003	0.0030	0.0000	0.0000	0.0000	0.0014	0.0006	0.0012	0.0012	0.0000	0.0000
10 year blocks 2003-2012		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000
1993-2002		0.0000	0.0000	0.0021	0.0033	0.0058	0.0020	0.0008	0.0000	0.0000	0.0000	0.0000	0.0040	0.0015	0.0037	0.0011	0.0000	0.0017
1983-1992		0.0000	0.0000	0.0000	0.0033	0.0016	0.0031	0.0084	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017	0.0041	0.0000	0.0015
5 year blocks 2008-2012		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2003-2007		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000	0.0006
1998-2002		0.0000	0.0000	0.0030	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0024	0.0018	0.0000	0.0000	0.0010
1993-1997		0.0000	0.0000	0.0000	0.0097	0.0116	0.0083	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0039	0.0000	0.0031
1988-1992		0.0000	0.0000	0.0000	0.0049	0.0026	0.0047	0.0122	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0063	0.0000	0.0022
1983-1987		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0181	0.0000	0.0000	0.0000

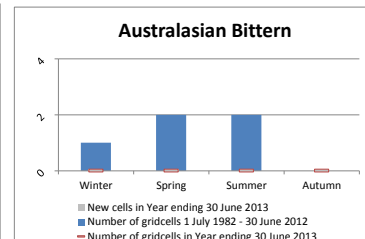
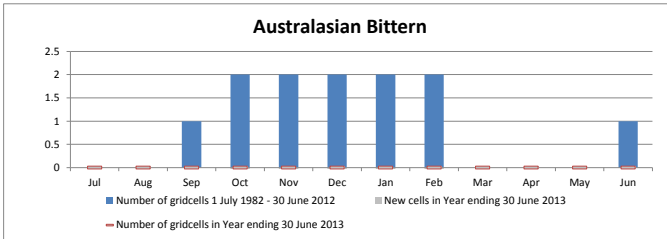
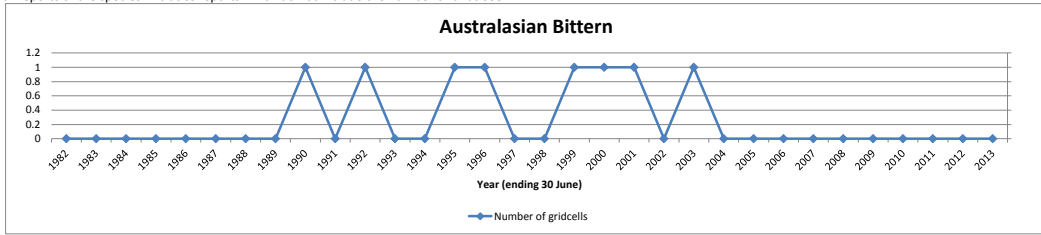
Year (ending 30 June)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn	Annual	Year	
2013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2013	
2012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2012	
2011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2011	
2010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2010	
2009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2009	
2008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2008	
2007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2007	
2006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2006	
2005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2005	
2004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2004	
2003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0389	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139	0.0000	0.0000	2003	
2002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2002	
2001	0.0000	0.0000	0.0000	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0243	0.0077	0.0025	0.0000	0.0000	0.0024	2001	
2000	0.0000	0.0000	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	2000	
1999	0.0000	0.0000	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000	0.0005	1999	
1998	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1998	
1997	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1997	
1996	0.0000	0.0000	0.0000	0.0351	0.0556	0.0306	0.0102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0334	0.0145	0.0000	0.0135	1996
1995	0.0000	0.0000	0.0000	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0008	1995
1994	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1994
1993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1993
1992	0.0000	0.0000	0.0000	0.0426	0.0278	0.0000	0.0345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0239	0.0123	0.0000	0.0100	1992
1991	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1991
1990	0.0000	0.0000	0.0000	0.0000	0.0000	0.0417	0.0694	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0419	0.0000	0.0077	1990
1989	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1989
1988	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1988
1987	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1987
1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1986
1985	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1985
1984	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1984
1983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1983
1982	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1982

Australasian Bittern

Grid cells - number with records of the species

Make axis-label-range-dynamic

A count of the number of gridcells with reports of the species. Includes reports which do not include the number of birds seen.



Number of gridcells	Year (ending 30 Jun)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn	Total	Average/year
All years	1982-2013	0	0	1	1	1	1	1	1	0	0	0	1	1	2	2	0	2	0.3
Previous 30 years	1983-2012	0	0	1	2	2	2	2	2	0	0	0	1	1	2	2	0	2	0.3
Previous 20 years	1993-2012	0	0	1	2	2	1	2	1	0	0	0	1	1	2	2	0	2	0.3
10 year blocks	2003-2012	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0.1
	1993-2002	0	0	1	2	2	1	2	0	0	0	0	1	1	2	2	0	2	0.5
	1983-1992	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0.2
5 year blocks	2008-2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	2003-2007	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0.2
	1998-2002	0	0	1	0	1	1	0	0	0	0	0	1	1	1	1	0	1	0.6
	1993-1997	0	0	0	2	2	1	2	0	0	0	0	0	0	2	2	0	2	0.4
	1988-1992	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0.4
	1983-1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

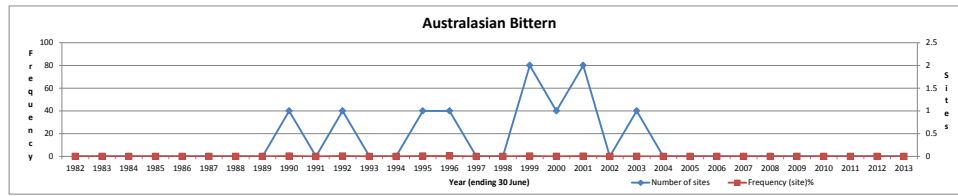
Number of Gridcells	Year (ending 30 Jun)	Month												Season				Total Year		
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Winter	Spring	Summer	Autumn			
	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2013
	2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2012
	2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2011
	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2010
	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2009
	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2008
	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2007
	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2006
	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2005
	2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2004
	2003	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	2003
	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2002
	2001	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	1	0	2001
	2000	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2000
	1999	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1999
	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1998
	1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1997
	1996	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1996
	1995	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1995
	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1994
	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1993
	1992	0	0	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	1	1992
	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1991
	1990	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	1	1990
	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1989
	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1988
	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1987
	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1986
	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1985
	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1984
	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1983
	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1982

Australasian Bittern and all species

Sites and Frequency(site)

A site is a small area in which observations are made. In some cases, the observations may be repeated at the same site, such as the Garden Bird Survey. A site is identified by having the same latitude and longitude. Frequency (site) is the percentage of sites where the species is reported. It is the number of sites where the species is reported divided by the total number of sites with reports in the period.

Australasian Bittern

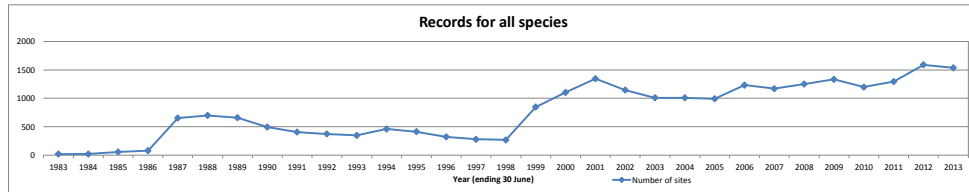


Year (ending 30 June)	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Number of sites	0	0	0	0	0	0	0	0	0	0	1	0	2	1	2	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0
Frequency (site)%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.15	0.09	0.24	0.00	0.00	0.31	0.24	0.00	0.00	0.27	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Breeding	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
Number of sites	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
Frequency (site)%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Averages Across Years

	All years	All prev	P30	P20	10 Year blocks	5 year blocks							
Number of sites	1982-2013	1982-2012	1983-2012	1993-2012	2003-2012	1993-2002	1983-1992	2008-2012	2003-2007	1998-2002	1993-1997	1988-1992	1983-1987
Frequency (site)%	0.3	0.3	0.3	0.4	0.1	0.7	0.2	0	0.2	1	0.4	0.4	0
Breeding	0.05	0.05	0.05	0.06	0.01	0.10	0.05	0.00	0.02	0.10	0.11	0.09	0.00
Number of sites	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
Frequency (site)%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Records for all species



Year (ending 30 June)	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Number of sites	1536	1589	1293	1197	1333	1251	1169	1232	993	1009	1009	1145	1345	1104	846	268	279	323	414	460	347	374	407	495	659	700	653	80	56	21	20
Number of sheets (= Observer Weeks for GBS)	4500	4226	3140	2519	2649	2391	2579	2371	2074	1980	2044	2177	2902	2469	1828	785	824	1036	1256	981	744	798	922	1174	2422	2586	2395	440	408	236	100
Average number of sheets per site with data	2.93	2.66	2.43	2.10	1.99	1.91	2.21	1.92	2.09	1.96	2.03	1.90	2.16	2.24	2.16	2.93	2.95	3.21	3.03	2.13	2.14	2.13	2.27	2.37	3.68	3.69	3.67	5.50	7.29	11.24	5.00

Averages Across Years

	All years	All Prev	P30	P20	10 Year blocks	5 year blocks							
Number of sites	1983-2013	1983-2012	1983-2012	1993-2012	2003-2012	1993-2002	1983-1992	2008-2012	2003-2007	1998-2002	1993-1997	1988-1992	1983-1987
Number of sheets (= Observer Weeks for GBS)	761.5	735.7	735.7	930.3	1207.5	653.1	346.5	1332.6	1082.4	941.6	364.6	527	166
Average number of sheets per site with data	3.09	3.10	3.10	2.31	2.13	2.49	4.68	2.22	2.04	2.28	2.69	2.83	6.54

Years of data	32
Sites in all years	14249
Site years	23626 < The sum of the count of the number of years data has been collected for each site
Years of data per site	1.66

Australasian Bittern

Summary Statistics

For year end 30 June 2013

Previous year end 30 Jun 2012

Scope of Records - All surveys except Garden Bird Survey

10

RAOU Number: 206

Rank by number of records/reporting rate in 2013: - (No records) of 162

Rank by number observed/abundance in 2013: - (No records) of 192

Year	Value for Year ending 30 June 2013	Value for previous year	Change	Change as % of previous year	Change on previous 10 year average as % of previous 10 year average			Eleven year plot 2003-2013	Change on previous 30 year average as % of previous 30 year average		
					Value for previous 10 years (2003-2012)	Change on previous 10 year average	Value for previous 30 years (1983-2012)		Change on previous 30 year average		
Records	0	0	0	-	0.1	-0.1	-100		0.7	-0.7	-100
- WOO records	0	0	0	-	0	0.0	-		0.0	-	-
GridCells	0	0	0	-	0.1	-0.1	-100		0.3	-0.3	-100
Sites	0	0	0	-	0.1	-0.1	-100		0.3	-0.3	-100
Number of birds	0	0	0	-	0.7	-0.7	-100		1.6	-1.6	-100
Max number of birds	0	0	0	-	7	-7.0	-100		7.0	-7.0	-100
Average number of birds	0.0	0.0	0.0	-	7.0	-7.0	-100		2.6	-2.6	-100
Median number of birds	-	-	-	-	-	-	-		-	-	-
Mode of number of birds	-	-	-	-	-	-	-		-	-	-
Abundance	0.0000	0.0000	0.0000	-	0.0003	-0.0003	-100		0.0009	-0.0009	-100
Frequency(site)(%)	0.0	0.0	0.0	-	0.0	0.0	-100		0.1	-0.1	-100
Frequency(gridcell)(%)	0.0	0.0	0.0	-	0.0	0.0	-100		0.1	-0.1	-100
Reporting Rate(%)	0.0	0.0	0.0	-	0.00	0.0	-100		0.0	0.0	-100
Weeks recorded	0	0	0.0	-	0.1	-0.1	-100		0.6	-0.6	-100
Season											
Winter records(%)	0.0	0.0	0.0	-	0.0	0.0	-		10.5	-10.5	-100
Spring records(%)	0.0	0.0	0.0	-	0.0	0.0	-		47.4	-47.4	-100
Summer records(%)	0.0	0.0	0.0	-	100.0	-100.0	-100		42.1	-42.1	-100
Autumn records(%)	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
Month (records %)											
July	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
August	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
September	0.0	0.0	0.0	-	0.0	0.0	-		10.5	-10.5	-100
October	0.0	0.0	0.0	-	0.0	0.0	-		21.1	-21.1	-100
November	0.0	0.0	0.0	-	0.0	0.0	-		15.8	-15.8	-100
December	0.0	0.0	0.0	-	0.0	0.0	-		15.8	-15.8	-100
January	0.0	0.0	0.0	-	0.0	0.0	-		15.8	-15.8	-100
February	0.0	0.0	0.0	-	100.0	-100.0	-100		10.5	-10.5	-100
March	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
April	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
May	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
June	0.0	0.0	0.0	-	0.0	0.0	-		10.5	-10.5	-100
Earliest/Latest				Change in days	For previous 10 years	Change in days					
Earliest record	-	-	-	-	Feb-23	-		Sep-15	-	-	-
Latest record	-	-	-	-	Feb-23	-		Jun-27	-	-	-
Breeding											
Records											
Bird on or seen leaving nest	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Breeding	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Carrying food	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Copulation	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Dependent young	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Display	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Faecal sac	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Inspecting hollow	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Nest building	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Nest with eggs	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Nest with young	0	0	0.0	-	0.00	0.0	-		0.00	0.0	-
Gridcells	0	0	0.0	-	0.0	0.0	-		0.0	0.0	-
Sites	0	0	0.0	-	0.0	0.0	-		0.0	0.0	-
Frequency (Site)(%)	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
Frequency (Gridcell)(%)	0.0	0.0	0.0	-	0.0	0.0	-		0.0	0.0	-
Reporting Rate (%)	0.00	0.00	0.0	-	0.0	0.0	-		0.0	0.0	-
Breeding				Change in days	For previous 10 years	Change in days				Change in days	
Earliest record	-	-	-	-	-	-		-	-	-	-
Latest record	-	-	-	-	-	-		-	-	-	-

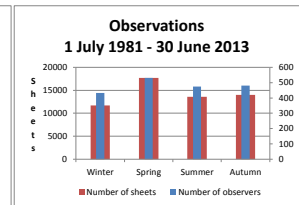
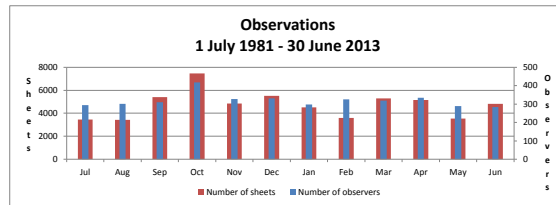
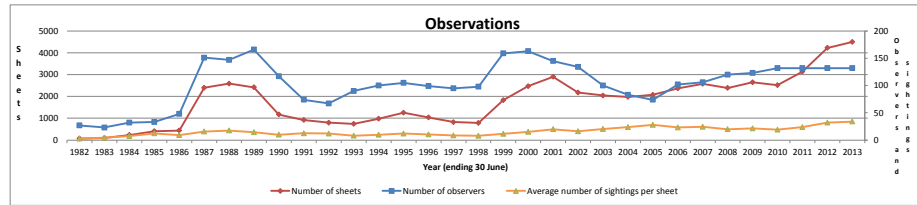
Highlight flags changes of more than 50%

Observations

Observers and Data Sheets - number by year, month and season

These data include all data sheets and records for all species

The number of sightings is a count of the number of individual records. Ten species on a data sheet is 10 sightings, the same 10 species recorded on two data sheets is 20 sightings.



Observer stats
 Number of observers
 Number of sheets
 Average number of sheets per observer

Year (ending 30 June)	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Number of observers	295	302	310	418	327	330	298	326	319	334	289	283	432	531	475	480	801															
Number of sheets	3453	3422	5411	7472	4834	5513	4519	3583	5304	5161	3546	4814	11689	17717	13615	14011	57032															
Average number of sheets per observer	11.7	11.3	17.5	17.9	14.8	16.7	15.2	11.0	16.6	15.5	15.5	12.3	17.0	27.1	33.4	28.7	29.2	71.2														

Year (ending 30 June)	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Number of observers	132	132	132	132	123	120	106	102	74	83	100	134	145	163	159	98	95	99	105	100	90	67	74	117	166	147	151	48	33	32	23	27
Number of sheets	4500	4226	3140	2519	2649	2391	2579	2371	2074	1980	2044	2177	2904	2471	1829	785	824	1036	1256	981	744	798	922	1174	2422	2586	2395	440	408	236	100	71
Average number of sheets per observer	34.1	32.0	23.8	19.1	21.5	19.9	24.3	23.2	28.0	23.9	20.4	16.2	20.0	15.2	11.5	8.0	8.7	10.5	12.0	9.8	8.3	11.9	12.5	10.0	14.6	17.6	15.9	9.2	12.4	7.4	4.3	2.6
Number of sightings	70633	59565	41122	34449	34363	31709	35951	30533	25134	22667	26268	27296	37027	33058	24199	7591	7882	10892	12683	12614	11043	11949	12415	21299	61425	61068	53245	9896	5808	2730	1741	1081
Average number of sightings per observer	535.1	451.3	311.5	261.0	279.4	264.2	339.2	299.3	339.6	273.1	262.7	203.7	255.4	202.8	152.2	77.5	83.0	110.0	120.8	126.1	122.7	178.3	167.8	182.0	370.0	415.4	352.6	206.2	176.0	85.3	75.7	40.0
Average number of sightings per sheet	15.7	14.1	13.1	13.7	13.0	13.3	13.9	12.9	12.1	11.4	12.9	12.5	12.8	13.4	13.2	9.7	9.6	10.5	10.1	12.9	14.8	15.0	13.5	18.1	25.4	23.6	22.2	22.5	14.2	11.6	17.4	15.2