

## REPORT ON POPULATION MONITORING COUNTS 2007 AND SUMMER 2008

BRIAN KEARNEY, ANGIE HASLEM, AND ROB CLEMENS

*Birds Australia, Suite 2-05, 60 Leicester Street, Carlton Victoria 3053, Australia, 03 9347 0757*

Many shorebird areas across Australia have been surveyed for the last 28 years. These data are invaluable for understanding how shorebird populations in Australia have changed over time, and how important areas are for shorebirds. Therefore, it is vital that data continue to be made available for effective conservation management.

In 2007 Birds Australia, in collaboration with AWSG, NHT and WWF, launched Shorebirds 2020 with the aim of reinvigorating shorebird monitoring in Australia. As a result, there has been a large increase in the number of people undertaking shorebird counts across Australia. Further, shorebird data is available for a greater number of shorebird areas: many are areas that have not been surveyed in recent years, others are new areas that have not been regularly surveyed in the past. We are still waiting for some data, from a few areas but most of it is reported here for summer 2007, winter 2007, and summer 2008 counts.

In response to the increased quantity of data being collected, there are a few slight changes to way that this shorebird data is reported in the summaries published in Stilt. First, we've revised the boundaries of what a "shorebird area" includes. In some cases this has meant smaller areas within a region are reported. For example, previous Stilt summaries reported figures for NE Tasmania: these data were collected at three individual shorebird areas (Cape Portland, Great Musselroe Bay, GeorgeTown/Tamar Estuary). Similarly, data collected in the SE coast of South Australia has also been presented as a single region, but are reported as two areas here. We still have much to learn on how to define a shorebird area, but each shorebird area is meant to include the entire area used by each shorebird population over the peak summer months. We have no doubt that as we learn more from shorebird experts throughout the country, these boundaries will continue to be refined, but analysis of the data in some areas suggest that these revised boundaries will reduce annual count variation.

Second, Stilt summaries have reported data collected in a core group of shorebird areas in which counts have been undertaken consistently over the last 20+ years. The number of shorebird areas for which data are reported in Stilt will increase as Shorebirds 2020 progresses. It is important to emphasise that future Stilt summaries should not be interpreted as indicating that shorebird numbers are increasing in Australia. Rather they will reflect an increased survey effort across the country, thus providing a better understanding of the importance of a greater number of areas to different shorebird species, and an increased ability to detect population changes.

Last, Stilt summaries have traditionally reported the count figures collected during the biannual Population Monitoring Count (summer/winter) undertaken at each shorebird area. Often, this will be the only count conducted in shorebird areas, however, in some areas shorebird counts are undertaken on a monthly basis, and this year there were several new areas that conducted repeated summer counts. When more than one count is undertaken in summer or winter, the maximum number of individuals for each species recorded over all counts undertaken in these seasons will be reported. Thus, the figures reported for one shorebird area may relate to counts undertaken on different days. For the purposes of calculating the maximum count of each species, 'summer' includes the months of November to February, inclusive, and winter includes the months of May to August, inclusive.

Shorebird's 2020 staff and volunteers have been working with the historic National Shorebird Database, to learn how best to determine population trends for shorebirds at a national level, and to determine site-based population trends. Power analyses done on the existing data showed that statistically significant national population trends would require visits to from 30 to 35 areas for each species. We've identified 149 shorebird areas throughout Australia that would meet those requirements for 28 migratory shorebird species, and over the next year we will be attempting to get counts happening in each of those areas.

For site-based population trends we have found during power analyses that the best way to determine population trends for more species in more areas is to reduce the annual count variation at each site. We are still learning how best to do this. Fortunately, the repeat counts done this summer, and in previous years give us some data to investigate. A quick look at the repeated counts done over the summer of 2008 suggests that repeated counts would reduce annual count variation if we take a maximum count over multiple counts. The degree to which a maximum over multiple counts reduces variation appears to be dependent on local site characteristics, and the way shorebirds in the area use the area. It is likely that areas with high count variation

would benefit most from more surveys, as well as potentially some changes to the area covered or counting methods.

Again we will continue to look into this, but this year showed some clear cases where repeated summer counts were valuable. In Shallow Inlet, for example, three counts were conducted, and yet Sanderling (a species usually there in the hundreds) was only recorded on one of the counts. Likely this was related to very windy conditions during two of the counts. Similarly, counts of Pacific Golden Plover during the surveys in Shallow Inlet varied from zero to 88 to 167. Over the last two years repeat counts have been conducted in a season at 31 shorebird areas, with as many as four counts done in a season at some areas. Counts for some species in some areas were nearly identical, but on average the within season variation suggests that the annual variation would be too high to detect site specific population trends. We will look to quantify the benefits of repeated counts in the coming years. We will also be continuing to explore some analytical methods to reduce variation with the help of some new data on possible co-variables (on the new data sheets), but finding ways to reduce the actual variation in counts for more species in more areas will increase our ability to report on population trends.

In the short term due to the obvious benefit observed this year from taking the maximum of repeated counts we will be recommending that at least two summer counts be planned if possible, with the understanding that as many as four (possibly more) summer counts may be ultimately needed in some areas.

For more detailed information on the work we've been doing, for maps of the areas we need counted, data sheets, and ID or counting training information please visit "The Toolkit" section of the revised website [www.shorebirds.org.au](http://www.shorebirds.org.au)

## **ACKNOWLEDGEMENTS**

First we would like to thank The National Heritage Trust and WWF Australia for providing funding for this project.

We would like to thank the many people and organisations who gave their time, energy, and shared information to assist with this project. We would especially like to thank the many shorebird counters who gave up a weekend or two or more to face all kinds of weather in order to help contribute to shorebird conservation. Without all the help from those mentioned here, and many others, this project and the count data reported here would not have been possible.

Many of these people also donated many, many hours to help coordinate the counts and to provide local expertise and data on shorebird areas throughout Australia (Apologies if we have missed anyone (we know that this list is less than half of all the counters involved this year), or if our spellings are wrong):

From New South Wales: Alan Morris, Alan Stuart, Ann Lindsey, Bryce Taylor, Chris Brandis, Chris Herbert, David Adams, David Marshall, David Rohweder, Frances Bray, Gary Whale, Hans Lutter, Heather Hole, Ian Olley, Jacqueline Devereaux, Jenny Powers, Jenny Spencer, Joy Pegler, June Harris, Judy Harrington, Liz Crawford, Laurel Allsopp, Liz Crawford, Lois Wooding, Marg Hamon, Michael Kearns, Michael Roderick, Mike Newman, Neville McNaughton, Nick Livanos, Paddy Lightfoot, Peter Ward, Phil Craven, Phil Straw, Rex Worrell, Robert McDonald, Steven McBride, Sue Hamonet, Terry Lindsey, Valda Corrigan, Wendy McFadden, and Winston Filewood.

From the Northern Territory; Arthur and Sheryl Keates, Ashley Carlson, Ian Hance, Michael Bruce, Niven McCrie, and Tony Hertog.

In Queensland; Andrew Geering, David Niland, Dawn Beck, Gay Deacon, George Baker, Linda Cross, Matt Bloor, Peter Driscoll, Sandra Harding, Tim Murphy, and the many, many members of the Queensland Wader Study Group who contribute counts.

From South Australia; Bryan and Toni Haywood, Chris Baxter, Colin Rogers, David Close, Dave Donato, David & Margaret Dadd, David Edey, David Ryan, Deane Morgan, Deborah Allen, Derek Carter, Graham Carpenter, Iain Stewart, Jack & Pat Bourne, Jane Cooper, Jeff Campbell, John Eckert, John Mullins, Kent Treloar, Len Underwood, Lynn Pedler, Maureen Christie, Paul Wainwright, Peter Langdon, Richard Owen, Rick Hawthorne, Rob Tanner, Travis Hague, Vicki Natt, and Wally Klau.

From Tasmania; Alison Parks, Alistair Richardson, Amanda Blakeney, Beatrice Bently, Bianca Priest, Bill Wakefield, Christine Harris, C. Hiller, Chris Coleborn, Colin Atkins, Colin Meyers, Denis Charlesworth, Denys Walter, Doug Smith, Eric Woehler, Garry Watts, Geoff Rakers, Jim Hunter, Laurie Porteus, Mel Hills, Mike Brakey, Peter Atkinson, Peter and Hazel Britton, Peter Duckworth, Priscilla Park, Ralph Cooper, Richard Ashby, and Tim Reid.

From Victoria; Adam Rigg, Alan & Kath Harman, Andrew Facett, Andrew Silcocks, Anne-maire Burgoine, Barbara Garrett, Bernie McCarrick, Bill Wright, Bob Cook, Bob Semmens, Chris Coleborn, Chris Tzaros, Clive Minton, Dale Tonkinson, Danny Rogers, Dave King, Dave Ryan, Dave Torr, Dave Warne, David McCarthy, Diane Luhrs, Donna Smithyman, Doris Graham, Doug Phillips, Duncan Fraser, George Appleby, Gordon McCarthy, Helen Phillips, Hugo Phillipps, Iva Graney, Jean Haywood, Jim and Anthea Whitelaw, Jane Hayes, Jeff Davies, Jim Reside, Jodie Honan, John Newman, Jonathon Stevenson, Kate Stephens, Kay Campbell, Ken Gosbell, Kelvin Williams, Ken Harris, Kieth Davis, Laurie Living, Marilyn Hewish, Mike Carter, Penny Johns, Peter Anton, Peter Dann, Peter Lansley, Peter Menkhorst, Phil Du Guesclin, Ren Millsom, Richard Loyn, Richard and Margaret Alcorn, Rick Resson, Richard and Margaret Alcorn, Rob Cowdell, Rob Farnes, Rod Bird, Rohan Clarke, Simon Starr, Stanley Mah, Stephen Johnson, Steve Clark, Tim Allen, Tom Fletcher, Toni Ryan, Tom McRaet, Trevor Prescott, Wendy Davies, Will Steele, and Xenia Dennett.

From Western Australia; Adrian Boyle, Anne Bondin, Bill Russell, Bill Rutherford, Brad Kneebone, Cheryl Gole, Chris Hassel, Chris James, Claire Stevenson, David James, Dick Rule, Dick Shore, Ernie Wild, Eric Sedgwick, George Swann, Greg Harewood, Holly Smith, Kim Onton, Kim Williams, John Lauri, Les George, Marion Shaw, M. Francesconi, Mike Bamford, Mike Craig, Ray Gastone, Rob Breeden, Robert Wroth, Stella Wynne, Sue Abbotts, Sue Mather, and Vic Smith.

We would also like to thank Shakya Jayalatharachchi, Suleeqa Hussein, Hayley Glover, Thomas Hagen, Heather Gibbs, Heather Maginn, Jemima Connell, Oscar Flores, Steve Camilleri, Tania Mohtar, Kate Stevens and Lili Wang for all their volunteer efforts entering and cleaning data in order for us to be able to report these numbers.

We would also like to thank Australasian Wader Study Group (AWSG) and its members for their support, as well as the members of associated groups including the Queensland Wader Study Group, New South Wales Wader Study Group, Western Australia Wader Study Group, Hunter Bird Observers Club, Birds Tasmania, the Bird Observers Club, the Victoria Wader Study Group, and the Albany bird club for their major contributions in on ground counting, local knowledge, and expertise that they shared with us.

We would also like to thank the following shorebird experts who gave there time (again and again) to provide us answers to questions, valuable feedback, and access to data: David Milton (QWSG), Linda Cross (QWSG), Phil Straw (NSW WSG), Ken Gosbell (AWSG), Danny Rogers (AWSG), Doug Watkins (Wetlands International), Roger Jaensch (Wetlands International), Clive Minton (VWSG).

We would also like to thank Andrew Geering, Anne Lindsey, Bianca Priest, Bill Rutherford, Denis Charlesworth, Eric Woehler, Gayle Stewart, Heather Gibbs, Jenny Skewes, Jenny Spenser, Ken Rogers, Laurie Living, Lisa Collins, Mark Barter, Maureen Christie, Mike Bamford, Mike Carter, Mike Craig, Ricki Coughlan, Roz Jessop, Tammie Matson, and Warren Lee Long for their hard work on the project.

From Birds Australia we would like to thank Andrew Silcocks, Glenn Ehmke, Dean Ingwersen, Chris Tzaros, Grainne Maguire, Guy Dutson, Jen Suffin, Amy Butcher, Michael Chalhoub, and James O'Connor for there support, photos, and help over the last year.

**SUMMER 2007**

**NSW**

**NT**

**Qld**

**New Areas**

Species	NSW								NT	Qld							
	Botany Bay	Hunter Estuary	Lake Illawarra	Port Stephens	Shoalhaven Estuary	Tweeds Estuary	Richmond River Estuary	Clarence River	Parramatta River	North Darwin	Bowen	Mackay	Moreton Bay	Cairns	Townsville	Maroochy River	Great Sandy Strait
Asian Dowitcher																	
Banded Lapwing				2													
Banded Stilt							N	N	N					N	N		
Bar-tailed Godwit	578	1077	13	809	330		O	O	O	323	45	44	10810	O	O		1300
Beach Stone-curlew							T	T	T	2	3		5	T	T		
Black-fronted Dotterel		2															
Black-tailed Godwit		170		1			C	C	C	776			245	C	C		
Black-winged Stilt	4	423				29	O	O	O	4	8		448	O	O		
Broad-billed Sandpiper							U	U	U					U	U		
Bush Stone-curlew							N	N	N			2	2	N	N		
Common Greenshank	4	151		13			T	T	T	4	3		113	T	T		
Common Sandpiper	1						E	E	E	21	1			E	E		
Curlew Sandpiper	8	276					D	D	D	32		40	2002	D	D		
Double-banded Plover	5				5												
Eastern Curlew	240	555		350	28					23	11	148	1348			3	300
Great Knot		1								4928	14	370	1105				
Greater Sandplover										1800		110	487				15
Grey Plover										27			46				
Grey-tailed Tattler	70	20		100						22		124	940				
Hooded Plover																	
Latham's Snipe						3											
Lesser Sandplover		3		4						40		2800	747			1	60
Little Curlew																	
Long-toed Stint																	
Marsh Sandpiper		143			3					2			23				
Masked Lapwing	4	90		50	5	6				8	17	4	55				
Oriental Plover																	
Pacific Golden Plover	37	293			310					45	6	186	1184			50	22
Pectoral Sandpiper																	
Pied Oystercatcher	46	2		108	6					2	7	6	472			2	4
Red Knot					6					498			1				
Red-capped Plover	12	18	43	41	17					35	13	40	125			27	35
Red-kneed Dotterel													2				
Red-necked Avocet		2151		6									43				
Red-necked Stint	224	23	41	59	179					432	5	340	2896			39	14
Ruddy Turnstone	21			5						63		48	63				
Ruff																	
Sanderling					1					100							
Sharp-tailed Sandpiper	58	683	3	8	365					88	10	42	1521				
Sooty Oystercatcher	11	11		11							2	3					
Terek Sandpiper		7		6						117		22	94				
Wandering Tattler																	
Whimbrel	77	76	1	215						26	21	59	511			6	70
Wood Sandpiper																	
Unidentified small wader													30				
Unidentified medium wader																	
Unidentified large wader																	
<b>TOTAL</b>	1400	6175	101	1788	1255	38	-	-	-	9418	166	4388	25318	-	-	128	1820
<b>No. of species</b>	17	21	5	17	12	3	-	-	-	25	15	18	27	-	-	7	9

**SUMMER 2007**

Species	SA							Tas									
	SE coast		SE lakes				Coorong		SE		NE		NW	New Areas			
	Carpenter Rocks	Port MacDonnell	Fox and Pub Lakes	Lake Eliza	Lake George	Lake Robe	Lake St Clair	Coorong	Tolderol	Derwent	Marion Bay & Blackmans Bay	Cape Portland	George Town Reserve	Robbins Passage/Boullanger Bay	Georges Bay	Maurouard Beach	Moorland Point
Asian Dowitcher								18		1		13					
Banded Lapwing								9106									
Banded Stilt								21		60	18			191	38		
Bar-tailed Godwit		2															
Beach Stone-curlew										2							
Black-fronted Dotterel																	
Black-tailed Godwit								99									
Black-winged Stilt								132	26								
Broad-billed Sandpiper																	
Bush Stone-curlew																	
Common Greenshank	19	1	3					416	4	38				105	3	1	
Common Sandpiper			1					2									
Curlew Sandpiper	8	118			300			2171		30		2		876			
Double-banded Plover	1	8								3	7			55	1		4
Eastern Curlew	1							29		43			31	120			
Great Knot														3			
Greater Sandplover																	
Grey Plover														2			
Grey-tailed Tattler	3																
Hooded Plover		5						26			12	4		21	5	18	
Latham's Snipe			3														
Lesser Sandplover																	
Little Curlew																	
Long-toed Stint																	
Marsh Sandpiper								3									
Masked Lapwing	5	36	6	2			23	512		415		4	18	102	37		45
Oriental Plover																	
Pacific Golden Plover	45	21						50		43		100		196			5
Pectoral Sandpiper										1							
Pied Oystercatcher	5	7						568		760	185		13	479	135	9	2
Red Knot														963			
Red-capped Plover	6	75		36	14	2	12	766		78	14	6		66	4	1	
Red-kneed Dotterel																	
Red-necked Avocet								165									
Red-necked Stint	1286	1985	15	488	5289		38	20298	37	1830	1115	269		7828	230		
Ruddy Turnstone	128	255										49		846		30	114
Ruff																	
Sanderling	57	615						18		1				1			
Sharp-tailed Sandpiper	20	53	10	2	22			3848	11			6		4	1		
Sooty Oystercatcher	1	4						5		6	2			300		4	2
Terek Sandpiper														1			
Wandering Tattler																	
Whimbrel																	
Wood Sandpiper																	
Unidentified small wader								200									
Unidentified medium wader																	
Unidentified large wader																	
<b>TOTAL</b>	1585	3185	38	528	5625	2	73	38453	78	3311	1353	453	62	12159	454	63	172
<b>No. of species</b>	14	14	6	4	4	1	3	21	4	15	7	9	3	19	9	6	6

**SUMMER 2007**

Species	Tas			Vic																
	New Areas			Bellarine Peninsula							Port Phillip Bay									
	Narantapu National Park	Policemans Point	Scamander	Begonia	Belmont Common	Black Rocks / Breamlea	Lake Lorne	St. Leonards Salt Lake	Point Richards	Moolap Saltworks	Swan Bay & Mud Islands	Lake Connewarre area	Corner Inlet	Anderson Inlet	Shallow Inlet	East Port Phillip	Werribee / Avalon	Laverton/Altona	Western Port	
Asian Dowitcher																				
Banded Lapwing																				
Banded Stilt										5200							500			
Bar-tailed Godwit	2									21	15	3	10791		52			4	230	
Beach Stone-curlew																				
Black-fronted Dotterel					2	11				6						25	12			
Black-tailed Godwit																	14			
Black-winged Stilt					3	32	2			387		3				50	406	29		
Broad-billed Sandpiper																				
Bush Stone-curlew																				
Common Greenshank						2				65	186	40	110	188	33	4	56	15	230	
Common Sandpiper												1				1	3			
Curlew Sandpiper										543	334	2514	607	1	1140			372	446	
Double-banded Plover											6			25			2049		21	
Eastern Curlew	21									65	7		804	149	108		2		583	
Great Knot										3			66		1					
Greater Sandplover													6							
Grey Plover											4		331							
Grey-tailed Tattler													2		2		1			
Hooded Plover	2	4	1			2					5		2		5					
Latham's Snipe				2	23					25						18				
Lesser Sandplover											1								1	
Little Curlew																				
Long-toed Stint																				
Marsh Sandpiper										126						1	267	18		
Masked Lapwing	70	10	10	2	4	1	44	3	3	193	88	8	35	73		119	200	38	271	
Oriental Plover																				
Pacific Golden Plover											26			94	233		47		1	
Pectoral Sandpiper											1					2	3			
Pied Oystercatcher	155	40	3							14	40	6	917	24			45		323	
Red Knot											125		955		11					
Red-capped Plover	1						10	2		30	83	52	18	14	31	18	41	16	77	
Red-kneed Dotterel																				
Red-necked Avocet										3						11	1170			
Red-necked Stint	60	240				246				1717	3536	4037	13358	3040	2568	70	11586	1973	6710	
Ruddy Turnstone	14	22									15		4				7		19	
Ruff																				
Sanderling		6											41		533					
Sharp-tailed Sandpiper										1757	458	2024	23	51	102	350	2258	186	247	
Sooty Oystercatcher											1		295		4		1		6	
Terek Sandpiper																			3	
Wandering Tattler																				
Whimbrel	1												2		3				1	
Wood Sandpiper																				
Unidentified small wader																				
Unidentified medium wader																				
Unidentified large wader																				
<b>TOTAL</b>	326	322	14	4	32	251	97	7	3	10087	4992	8695	28367	3659	4826	669	18668	2651	9169	
<b>No. of species</b>	9	6	3	2	4	4	4	3	1	14	19	11	19	10	15	12	20	9	16	

**SUMMER 2007**

**WA**

**TOTAL**

Species	North West							ALL shorebird areas
	80 Mile Beach*	Bush Point (Roebuck Bay sth)	Dampier Saltworks	Roebuck Bay	Swan River & Rottnest Island	Wilson Inlet	Albany	
Asian Dowitcher		1		1				2
Banded Lapwing			13		12			59
Banded Stilt			11		154	159	N	15130
Bar-tailed Godwit	52035	24275	160	12216	4		O	115467
Beach Stone-curlew							T	10
Black-fronted Dotterel								60
Black-tailed Godwit	5			435			C	1745
Black-winged Stilt			40	66	4	476	O	2572
Broad-billed Sandpiper	314	62		53			U	429
Bush Stone-curlew							N	4
Common Greenshank	3880	35	8	362		267	T	6359
Common Sandpiper				23	1		E	55
Curlew Sandpiper	3102	250	590	1403	13		D	19227
Double-banded Plover								141
Eastern Curlew	837	409	2	638				6855
Great Knot	66018	7160	51	11228				90948
Greater Sandplover	27315	15656	20	5562	1			50972
Grey Plover	652	477	20	458	4			2021
Grey-tailed Tattler	8929	1070	7	1558	4			12852
Hooded Plover								112
Latham's Snipe								74
Lesser Sandplover	114	1		21				3793
Little Curlew	900			500				1400
Long-toed Stint								
Marsh Sandpiper	326		107					1019
Masked Lapwing								2616
Oriental Plover	8891	384		28				9303
Pacific Golden Plover	264	45	1	39	1			3344
Pectoral Sandpiper								7
Pied Oystercatcher	50	931	6	36	9	4		5421
Red Knot	11275	325		1071				15230
Red-capped Plover	4894	2330	1206	1682	71	261		12323
Red-kneed Dotterel								2
Red-necked Avocet			18	30	11	44		3652
Red-necked Stint	21891	4370	1911	4384	1207	3678		131542
Ruddy Turnstone	172	1081	15	334	129			3434
Ruff								
Sanderling	882	1754			62			4071
Sharp-tailed Sandpiper	233	5	469	2		28		14948
Sooty Oystercatcher	1			32				702
Terek Sandpiper	8999	535		588				10372
Wandering Tattler								
Whimbrel	479	665	1	353				2567
Wood Sandpiper								
Unidentified small wader								230
Unidentified medium wader								
Unidentified large wader								
<b>TOTAL</b>	222458	61821	4656	43103	1687	4917	-	551070
<b>No. of species</b>	25	22	20	27	16	8	-	41

\* = 80 Mile Beach counts included estimates

**WINTER 2007**

**NSW**

**NT**

**Qld**

**SA**

Species	Botany Bay	Hunter Estuary	Lake Illawarra	Port Stephens	Shoalhaven Estuary	Richmond River Estuary	Tweeds Estuary	Clarence River	Parramatta River	North Darwin	Bowen	Mackay	Moreton Bay	Cairns	Townsville	Carpenter Rocks	Port MacDonnell
Asian Dowitcher																	
Banded Lapwing																	
Banded Stilt						N	N	N	N					N	N		
Bar-tailed Godwit	277	310	21	10	232	O	O	O	O	45			1424	O	O		
Beach Stone-curlew						T	T	T	T	1				T	T		
Black-fronted Dotterel		36									2		21				
Black-tailed Godwit		7				C	C	C	C				16	C	C		
Black-winged Stilt	9	193	8			O	O	O	O		9		1552	O	O		
Broad-billed Sandpiper						U	U	U	U					U	U		
Bush Stone-curlew						N	N	N	N			2		N	N		
Common Greenshank		21				T	T	T	T		2		8	T	T		
Common Sandpiper		1				E	E	E	E	1				E	E		
Curlew Sandpiper		3				D	D	D	D				25	D	D		
Double-banded Plover	11		36		122								116				152
Eastern Curlew	101	176		150	20						1	2	234				
Great Knot										186			5				
Greater Sandplover										761			11				
Grey Plover																	
Grey-tailed Tattler	4	5								14			252				
Hooded Plover																11	14
Latham's Snipe																	
Lesser Sandplover										20			54				
Little Curlew																	
Long-toed Stint																	
Marsh Sandpiper		2															
Masked Lapwing		54		2	5						31		55			4	4
Oriental Plover																	
Pacific Golden Plover	1	1											20				
Pectoral Sandpiper																	
Pied Oystercatcher	47	2	4	5	19					2	7		315			6	6
Red Knot										6							
Red-capped Plover	2	61	35		40					26	16	2	206			3	51
Red-kneed Dotterel																	
Red-necked Avocet		370											5				
Red-necked Stint	22	35	4							73	3		992			120	101
Ruddy Turnstone	1									2			23				
Ruff																	
Sanderling										15							
Sharp-tailed Sandpiper										4							
Sooty Oystercatcher	12	4		1							2		3			5	5
Terek Sandpiper		1								3			1				
Wandering Tattler																	
Whimbrel	2	3									5		299				
Wood Sandpiper																	
Unidentified small wader													12				
Unidentified medium wader																	
Unidentified large wader																	
<b>TOTAL</b>	489	1285	108	168	438	-	-	-	-	1159	78	6	5649	-	-	149	333
<b>No. of species</b>	12	19	6	5	6	-	-	-	-	15	10	3	23	-	-	6	7

**WINTER 2007**

Species	Tas									Vic										
	SE	NE	NW	New Areas					Bellarine Peninsula											
	Derwent	Marion Bay & Blackmans Bay	Cape Portland	Robbins Passage/Boullanger Bay	Georges Bay	Maurouard Beach	Moorland Point	Narantapu National Park	Scamander	Begola	Belmont Common	Black Rocks / Breamlea	Lake Lorne	St. Leonards Salt Lake	Point Richards	Moolap Saltworks	Swan Bay & Mud Islands	Lake Connewarre area		
Asian Dowitcher							4	4										2		
Banded Lapwing																				
Banded Stilt			<b>N</b>													18				
Bar-tailed Godwit	33		<b>O</b>		22												65	6		
Beach Stone-curlew			<b>T</b>																	
Black-fronted Dotterel	12							5			2				8					
Black-tailed Godwit			<b>C</b>																	
Black-winged Stilt			<b>O</b>												243	53	2			
Broad-billed Sandpiper			<b>U</b>																	
Bush Stone-curlew			<b>N</b>																	
Common Greenshank			<b>T</b>														10			
Common Sandpiper			<b>E</b>																	
Curlew Sandpiper		4	<b>D</b>														1			
Double-banded Plover	117			532	6	17	95	152	3								660	5		
Eastern Curlew	2			1				4												
Great Knot																		3		
Greater Sandplover																				
Grey Plover																		2		
Grey-tailed Tattler				1																
Hooded Plover		16		80		33		14			7							15		
Latham's Snipe																				
Lesser Sandplover																				
Little Curlew																				
Long-toed Stint																				
Marsh Sandpiper																6	2			
Masked Lapwing	340			5	21	7	17			2	2	3	12	2	4	88	100	25		
Oriental Plover																				
Pacific Golden Plover																				
Pectoral Sandpiper																				
Pied Oystercatcher	632	77		573	92	6	2	52	6							32	29	3		
Red Knot				27													78			
Red-capped Plover	48	19		536	27	45	2	34	10		15				31	68	50			
Red-kneed Dotterel																				
Red-necked Avocet																				
Red-necked Stint	224	10		628	41	35			3						17	375	2			
Ruddy Turnstone				3		3											5			
Ruff																				
Sanderling																				
Sharp-tailed Sandpiper																		5		
Sooty Oystercatcher	61	12		297	18	4	3		2								1			
Terek Sandpiper																				
Wandering Tattler																				
Whimbrel	1																			
Wood Sandpiper																				
Unidentified small wader																				
Unidentified medium wader																				
Unidentified large wader																				
<b>TOTAL</b>	1470	138	-	2683	227	143	113	282	24	2	2	27	12	2	4	443	1472	95		
<b>No. of species</b>	10	6	-	11	7	7	6	8	5	1	1	4	1	1	1	8	17	8		

## WINTER 2007

Species	Vic					WA						TOTAL
	Port Phillip Bay					North West						
	East Port Phillip	Laverton/Altona	Werribee / Avalon	Corner Inlet	Wesern Port	80 Mile Beach	Bush Point (Roebuck Bay sth)	Roebuck Bay	Swan Coastal Plain Lakes	Swan River & Rottnest Island	Albany	ALL shorebird areas
Asian Dowitcher							1	20				21
Banded Lapwing										40		50
Banded Stilt		45								601		664
Bar-tailed Godwit				390	73	5848	4260	878				13894
Beach Stone-curlew												1
Black-fronted Dotterel	50		86									222
Black-tailed Godwit			2				1	528				554
Black-winged Stilt	110	86	419				292	390	112	5		3483
Broad-billed Sandpiper							8	1				9
Bush Stone-curlew												2
Common Greenshank		4	3			424	290	51				813
Common Sandpiper								2				4
Curlew Sandpiper		2	7			31	5	174				252
Double-banded Plover		171	291	125	142							2753
Eastern Curlew				42	37	118	584	48				1520
Great Knot						2222	1920	4639				8975
Greater Sandplover						1850	1544	34				4200
Grey Plover				2		58	52					114
Grey-tailed Tattler				1	1	1431	590	719				3018
Hooded Plover				2								192
Latham's Snipe												
Lesser Sandplover						5	1	12				92
Little Curlew												
Long-toed Stint												
Marsh Sandpiper												10
Masked Lapwing	40	13	133	6	140		4					1119
Oriental Plover												
Pacific Golden Plover		1				3	2					28
Pectoral Sandpiper												
Pied Oystercatcher			44	974	274	13	182	48		27		3479
Red Knot				80		492	45	295				1023
Red-capped Plover	9	24	192	31	79	5361	895	104		78		8100
Red-kneed Dotterel												
Red-necked Avocet		11					1	46	83	4		520
Red-necked Stint		182	619	372	444	2351	760	414		143		7970
Ruddy Turnstone						13	4	9		4		67
Ruff												
Sanderling						36	23					74
Sharp-tailed Sandpiper												9
Sooty Oystercatcher			6	308	1			20				765
Terek Sandpiper						160	340	263				768
Wandering Tattler												
Whimbrel				3	14	57	196	477				1057
Wood Sandpiper												
Unidentified small wader												12
Unidentified medium wader												
Unidentified large wader												
<b>TOTAL</b>	209	539	1802	2336	1205	20473	12000	9172	195	902	-	65834
<b>No. of species</b>	4	10	11	13	10	18	24	22	2	8	-	36

SUMMER 2008

NSW

NT Qld

Species	NSW										NT				Qld		
	Botany Bay	Hunter Estuary	Lake Illawarra	Port Stephens	Richmond River estuary	Shoalhaven Estuary	Tweeds Estuary	Clarence River	Parramatta River	New areas				North Darwin	Caïms area	Mackay	Moreton Bay
									Manning River Estuary	Tuggerah Lakes	Hastings River	Ulladulla					
Asian Dowitcher																	
Banded Lapwing										1							
Banded Stilt																	
Bar-tailed Godwit	527	1226	60	886	114	499	46	N	O	180	111	110	2	264	164	106	7385
Beach Stone-curlew								T	O	2				1	2	2	2
Black-fronted Dotterel		4															1
Black-tailed Godwit		212												657	22		424
Black-winged Stilt	2	167				2		C	O		6			5			245
Broad-billed Sandpiper								U	N								2
Bush Stone-curlew								T	T							4	1
Common Greenshank	6	127		5	7			E	T	1	26			5	5		142
Common Sandpiper	1	1		1		5		T	E	1				60			
Curlew Sandpiper	2	260			19	1		D	D		6			5	46		1197
Double-banded Plover	4		2			27					1	1					
Eastern Curlew	241	424	5	320	41	149	22			34	1	40		10	16	273	1090
Great Knot					13									3315	139	40	911
Greater Sandplover					19					2				544	43		54
Grey Plover						1								23			21
Grey-tailed Tattler	79	52		37	38	1	1				2	10		69	22	7	1349
Hooded Plover																	
Latham's Snipe		1															
Lesser Sandplover				2	3					1				21	17		187
Little Curlew																	
Long-toed Stint																	
Marsh Sandpiper		80														21	123
Masked Lapwing	3	116		46	4	52	7			12	52	1	8	24	8	6	59
Oriental Plover																	
Pacific Golden Plover	23	161			22	214				94	29			53	1		185
Pectoral Sandpiper																	
Pied Oystercatcher	75	7	16	107	4	14	1			17	4	2	2	9	2	20	407
Red Knot	3	79				1								368	7		2
Red-capped Plover	7	21	21	11		49				80	13	22		7	3		360
Red-kneed Dotterel		16															
Red-necked Avocet		1722															
Red-necked Stint	192	20	28	38	88	192				350	181	6		27	472		2653
Ruddy Turnstone	16	1		5	26	2				8	25			84			35
Ruff																	
Sanderling	1				7	1				39				5			
Sharp-tailed Sandpiper	1	37		1	2	10					78				13		1144
Sooty Oystercatcher	18	19		10		2					15	2				3	2
Terek Sandpiper		19		5	38									18	13	2	7
Wandering Tattler																	
Whimbrel	92	71		261	3		25			10	1	31		13	17	63	484
Wood Sandpiper														1			
Unidentified small wader																	16
Unidentified medium wader						8											
Unidentified large wader																	
<b>TOTAL</b>	1293	4843	132	1735	448	1230	102	-	-	831	552	225	12	5588	1012	547	18488
<b>No. of species</b>	19	24	6	15	17	19	6	-	-	15	17	10	3	24	19	12	28

**SUMMER 2008**

**Qld**

**SA**

Species	New areas					SE coast		SE lakes					Coorong		
	Bowen	Townsville	Kinka Beach	Maroochy River	Great Sandy Straight	Carpenter Rocks	Port MacDonnell	Fox and Pub Lakes	Lake Eliza	Lake George	Lake Hawdon	Lake St Clair	Mullins Swamp	Coorong	Tolderol
Asian Dowitcher															
Banded Lapwing															
Banded Stilt	N	N												261229	
Bar-tailed Godwit	O	O			3115									150	
Beach Stone-curlew	T	T	1		1										
Black-fronted Dotterel			2									2			
Black-tailed Godwit	C	C												2	
Black-winged Stilt	O	O	16		19							5		700	1
Broad-billed Sandpiper	U	U													
Bush Stone-curlew	N	N													
Common Greenshank	T	T		2	138	8		2		71		12		436	10
Common Sandpiper	E	E													
Curlew Sandpiper	D	D			31	34	172		8					3988	
Double-banded Plover															
Eastern Curlew			3		734	1								10	
Great Knot					1001									30	
Greater Sandplover			91		25										
Grey Plover					4									1	
Grey-tailed Tattler			72		1806										
Hooded Plover						3	3							37	
Latham's Snipe					2			6		2				4	
Lesser Sandplover			40		458									1	
Little Curlew															
Long-toed Stint															
Marsh Sandpiper					103							5		4	
Masked Lapwing			2		55	20	97			29	200	6	42	348	61
Oriental Plover															
Pacific Golden Plover					25	9	36							50	
Pectoral Sandpiper															
Pied Oystercatcher			2	6	108	7	14							550	
Red Knot														30	
Red-capped Plover			16	7	28	6	55		47	174		38		1096	8
Red-kneed Dotterel					2			6						26	
Red-necked Avocet										59				195	
Red-necked Stint				30	801	920	1600		175	3645		6	12	12662	832
Ruddy Turnstone					12	269	210								
Ruff															
Sanderling							445							131	
Sharp-tailed Sandpiper			28		119	80	212	11		266			1275	6222	160
Sooty Oystercatcher					3	8	3							4	
Terek Sandpiper					123									1	
Wandering Tattler															
Whimbrel			9		182										
Wood Sandpiper															
Unidentified small wader										200	200			28	
Unidentified medium wader														20	
Unidentified large wader					150										
<b>TOTAL</b>	-	-	282	45	9045	1365	2847	25	222	4454	400	50	1353	287955	1072
<b>No. of species</b>	-	-	12	4	25	12	11	4	2	9	2	3	7	27	6

**SUMMER 2008**

**SA**

**Tas**

Species	Yorke Peninsula								Tas											
	Port Victoria	Coobowie Inlet	Black Point	Goldsmith Beach to Wattle Pt	Stansbury / Oyster Point	Pine Point (Yorke)	Troubridge Island / Shoal	Gulf of St Vincent	SE	NE	NW	New areas								
								Derwent	Marion Bay & Blackmans Bay	Cape Portland	George Town Reserve	Great Musselroe Bay	Robbins Passage/Boullanger Bay	Georges Bay	Maurouard Beach	Moorland Point	Narantapu National Park	Policemans Point	Scamander	
Asian Dowitcher																				
Banded Lapwing										45										
Banded Stilt		6					10000													
Bar-tailed Godwit							6150	30	30	2	3	466	47				6			
Beach Stone-curlew																				
Black-fronted Dotterel																				
Black-tailed Godwit																				
Black-winged Stilt							120													
Broad-billed Sandpiper																				
Bush Stone-curlew																				
Common Greenshank	6	4	22	6	30	4	500	39			16	35	5							
Common Sandpiper							1													
Curlew Sandpiper	15	5	15		34	150	650			43	1	14	912							
Double-banded Plover			4										1	5						
Eastern Curlew							57	42		27		113	5				18			
Great Knot							370					1								
Greater Sandplover			2				20													
Grey Plover		4	4	10			53						54							
Grey-tailed Tattler													2		1					
Hooded Plover	14								3	5	1	30	3	25				7	6	
Latham's Snipe													2							
Lesser Sandplover													1							
Little Curlew																				
Long-toed Stint																				
Marsh Sandpiper							7													
Masked Lapwing	26	35	3		2	2	15	124	4	124	28	5	55	107	3	45	58		7	
Oriental Plover																				
Pacific Golden Plover			5	8						19		246			5					
Pectoral Sandpiper																				
Pied Oystercatcher	4						25	804	218	72	19	70	738	242	9	2	120	38	7	
Red Knot				10			15					16	1734							
Red-capped Plover	36	20	40	50			405	74	19	49	12	96		2	5	21	57	5		
Red-kneed Dotterel							120													
Red-necked Avocet							150													
Red-necked Stint	60	20	400	200	250		800	791	52	1176	51	450	10382	87			200	65	16	
Ruddy Turnstone	10	6	22	6	14		40			51	57	55	1201	5		142	14	18		
Ruff																				
Sanderling							3						4						34	
Sharp-tailed Sandpiper	55	5			30		2800			30	4	124								
Sooty Oystercatcher	12				12		79	48		68	9	2	205	7	12				13	
Terek Sandpiper							1													
Wandering Tattler																				
Whimbrel							20	1				1								
Wood Sandpiper																				
Unidentified small wader		300			200															
Unidentified medium wader																				
Unidentified large wader																				
<b>TOTAL</b>	238	405	517	290	572	6	1080	28903	1953	326	1684	192	649	16402	513	51	200	437	232	41
<b>No. of species</b>	10	10	10	7	8	2	10	23	9	6	12	7	13	21	10	5	6	7	7	5

## SUMMER 2008

## Vic

Species	Bellarine Peninsula									Port Phillip Bay					
	Begola	Belmont Common	Black Rocks / Breamlea	Lake Lorne	St. Leonard's Salt Lake	Point Richards	Moolap Saltworks	Swan Bay & Mud Islands	Lake Connnewarre area	Corner Inlet	Anderson Inlet	Shallow Inlet	East Port Phillip	Laverton/Altona	Werribee / Avalon
Asian Dowitcher															
Banded Lapwing															
Banded Stilt							370	8	20					5	2000
Bar-tailed Godwit								178		10150	20				18
Beach Stone-curlew															
Black-fronted Dotterel	2	6					7		5			26			19
Black-tailed Godwit														1	9
Black-winged Stilt		3		8			25	31	259			110	77		538
Broad-billed Sandpiper								1							
Bush Stone-curlew															
Common Greenshank			5				32	108	226	64	23	47	1	18	61
Common Sandpiper												2	1		2
Curlew Sandpiper							217	115	3184	1070		800		527	3051
Double-banded Plover								2	13	17		2			3
Eastern Curlew									6	695	130	157			1
Great Knot								12		50					
Greater Sandplover										6					
Grey Plover								14		247		1			
Grey-tailed Tattler								1	2						
Hooded Plover										14		1			
Latham's Snipe	17	46					2		6				20		
Lesser Sandplover							1	4		15					
Little Curlew															
Long-toed Stint															
Marsh Sandpiper							34	12	80			5		24	67
Masked Lapwing	4	3	4	25	2	30	185	88	122	8	90	26	96	27	186
Oriental Plover															
Pacific Golden Plover			26									167		58	21
Pectoral Sandpiper															3
Pied Oystercatcher							23	40	3	1148	3	26		11	63
Red Knot								66	4	612					
Red-capped Plover			5				84	182	132	40		25	5	28	98
Red-kneed Dotterel							7		3				1		1
Red-necked Avocet							1								182
Red-necked Stint			11				1416	4109	3753	15266		3517	2	1320	7144
Ruddy Turnstone								38		24					
Ruff															3
Sanderling										140		302			
Sharp-tailed Sandpiper							984	1409	3166	31	150	153	265	455	3342
Sooty Oystercatcher								2		318	10	44			4
Terek Sandpiper															
Wandering Tattler															
Whimbrel										45		1			
Wood Sandpiper													2		1
Unidentified small wader							3	12		35				350	
Unidentified medium wader								40		60					
Unidentified large wader															
<b>TOTAL</b>	23	58	51	33	2	30	3391	6472	10984	30055	426	5274	530	2902	16817
<b>No. of species</b>	3	4	5	2	1	1	16	22	17	22	7	16	11	14	23

**SUMMER 2008**

**Vic**

**WA**

Species	Gippsland			West coast							North West			South West				
	Jack Smith Lake	Lake Reeve	Loch Sport	Discovery Bay to Glenelg River	Fitzroy River Mouth	Port Fairy	Port Fairy West	Hamilton	Lake Corangamite area	Western Port	80 Mile Beach	Bush Point (Roeback Bay sth)	Roeback Bay	Swan Coastal Plain Lakes	Swan River & Rottnest Island	Peel & Yalgorup Lakes	Broadwater (Busselton)	Vasse-Wonnerup Estuary
Asian Dowitcher											11							
Banded Lapwing															21			
Banded Stilt								16						96	11866	11538	25	4000
Bar-tailed Godwit									348	51981	11783	8696		4	46			
Beach Stone-curlew												1						
Black-fronted Dotterel																		6
Black-tailed Godwit										12		944			1			
Black-winged Stilt						200		157				141	1185	13	807	389	2903	
Broad-billed Sandpiper										43	27	199						
Bush Stone-curlew																		
Common Greenshank		4		16		37	6		9	2787	15	371	16		36	1	103	
Common Sandpiper										1	1	19			2		1	
Curlew Sandpiper				1		40		143	783	3547	344	1207	8	77	3	67	10	
Double-banded Plover						2			10									
Eastern Curlew									748	403	288	261			7			
Great Knot										59448	6104	16278			12			
Greater Sandplover										26424	7299	6026		1				
Grey Plover										750	322	133	3	13	39			2
Grey-tailed Tattler										10532	37	1500		6				
Hooded Plover				30	35	23	48								58			
Latham's Snipe						45	1	3										
Lesser Sandplover										26	3	32						
Little Curlew										519								
Long-toed Stint													2				3	
Marsh Sandpiper				6						62								8
Masked Lapwing		51		6	6	152	41	72	155	109							2	
Oriental Plover										6028	99							
Pacific Golden Plover							6		7	57	35	37			35			
Pectoral Sandpiper															2			
Pied Oystercatcher				118	17	20	26		226	22	457	28		7	2			
Red Knot									50	13482	808	1222						
Red-capped Plover		6		9	18	95	30	26	131	62	7057	1900	1752	1300	281	428	30	417
Red-kneed Dotterel																		
Red-necked Avocet						1		17					278	9	772	615	1915	
Red-necked Stint				106	6	1697	546	8799	6778	27655	4906	3967	100	852	1875		1365	
Ruddy Turnstone						48	26		40	150	385	345		260				
Ruff								1										
Sanderling				500		67				511	1955	3		28	4			
Sharp-tailed Sandpiper						1238	318	5000	2162	791	209	16	7	20	1	469	242	88
Sooty Oystercatcher				1		3	7								23			
Terek Sandpiper										4853	682	570						
Wandering Tattler																		
Whimbrel									4	157	582	200		2	1			
Wood Sandpiper							9	2							1	43	4	
Unidentified small wader							4						20					
Unidentified medium wader																	80	
Unidentified large wader																		
<b>TOTAL</b>	0	61	0	793	82	3668	1068	5114	11570	9965	216716	38059	43962	3028	13441	16138	1497	10822
<b>No. of species</b>	0	3	0	10	5	15	13	4	10	14	25	23	25	11	16	21	11	13

SUMMER 2008	WA			TOTAL
	South			
Species	Albany	Wilson Inlet	Shark Bay	ALL shorebird areas
Asian Dowitcher				11
Banded Lapwing				67
Banded Stilt	372			301551
Bar-tailed Godwit	20		248	105171
Beach Stone-curlew				12
Black-fronted Dotterel			3	83
Black-tailed Godwit				2284
Black-winged Stilt		55	7	8196
Broad-billed Sandpiper				272
Bush Stone-curlew				5
Common Greenshank	31	5	48	5740
Common Sandpiper	5		5	109
Curlew Sandpiper				22802
Double-banded Plover	1			95
Eastern Curlew	2		10	6384
Great Knot	139		68	87931
Greater Sandplover	8		96	40660
Grey Plover	74		11	1804
Grey-tailed Tattler	1		91	15718
Hooded Plover	22			368
Latham's Snipe				157
Lesser Sandplover	1			813
Little Curlew				519
Long-toed Stint				5
Marsh Sandpiper				641
Masked Lapwing	2			3393
Oriental Plover				6127
Pacific Golden Plover	7			1641
Pectoral Sandpiper				5
Pied Oystercatcher	157		27	6172
Red Knot	3		29	20541
Red-capped Plover	18		25	17164
Red-kneed Dotterel				182
Red-necked Avocet		12	9	5937
Red-necked Stint	253	12	454	141139
Ruddy Turnstone	2		18	3730
Ruff				4
Sanderling	1			4181
Sharp-tailed Sandpiper	44			33287
Sooty Oystercatcher	6		1	981
Terek Sandpiper				6332
Wandering Tattler				
Whimbrel			26	2302
Wood Sandpiper			1	64
Unidentified small wader				1368
Unidentified medium wader	90			298
Unidentified large wader				150
<b>TOTAL</b>	1259	84	1177	856396
<b>No. of species</b>	23	4	19	46

Winter 2008	NSW									NT	Qld				SA		
Species	Hunter Estuary	Port Stephens	Richmond River estuary	Shoalhaven Estuary	Clarence River	Parramatta River	Brunswick River estuary	Manning River Estuary	Hastings River	North Darwin	Cairns area	Moreton Bay	Gladstone	Kinka Beach	Carpenter Rocks	Port MacDonnell	Gulf of St Vincent
Asian Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banded Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banded Stilt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
Bar-tailed Godwit	215	224	45	121	166	0	2	49	35	3	257	1721	0	14	0	0	0
Beach Stone-curlew	0	0	1	0	0	0	0	3	0	0	3	0	0	13	0	0	0
Black-fronted Dotterel	19	0	0	0	0	31	0	0	0	0	2	5	0	18	0	0	0
Black-tailed Godwit	32	130	0	6	0	30	0	0	0	0	60	0	0	0	0	0	0
Black-winged Stilt	473	0	2	0	25	114	1	0	0	7	0	14	0	179	0	0	100
Broad-billed Sandpiper	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
Bush Stone-curlew	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Common Greenshank	9	0	0	0	0	0	0	0	0	2	5	67	0	41	0	0	37
Common Sandpiper	0	0	0	0	0	0	0	0	0	1	4	3	0	0	0	0	0
Curlew Sandpiper	0	0	4	0	0	0	0	1	0	2	50	38	0	0	1	2	8
Double-banded Plover	0	0	47	114	46	0	0	121	16	0	0	179	0	2	0	105	3
Eastern Curlew	184	52	17	23	52	0	0	10	5	14	48	925	1	20	0	0	0
Great Knot	0	0	1	0	15	0	0	0	0	47	260	151	0	0	0	0	0
Greater Sandplover	0	0	0	0	0	0	0	0	0	585	85	2	0	0	0	0	0
Grey Plover	0	0	0	0	0	0	0	0	0	1	0	10	0	0	0	0	6
Grey-tailed Tattler	5	1	11	0	0	0	0	0	0	52	48	8	0	136	0	0	0
Hooded Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Latham's Snipe	0	0	0	0	0	0	0	0	0	0	30	1	0	1	0	0	0
Lesser Sandplover	0	0	0	0	0	0	0	0	0	2	121	970	22	10	0	0	0
Little Curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Long-toed Stint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marsh Sandpiper	0	0	0	0	0	0	0	0	0	0	2	10	0	36	0	0	0
Masked Lapwing	82	23	0	3	3	37	4	6	6	21	8	17	0	30	7	5	10
Oriental Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Golden Plover	1	0	0	0	0	0	0	0	0	0	20	87	0	39	0	0	0
Pacific Gull	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0
Pied Oystercatcher	3	154	4	16	8	0	6	13	0	1	6	102	2	4	10	2	4
Red Knot	0	0	0	0	0	0	0	0	0	6	2	4	0	2	0	0	0
Red-capped Plover	55	0	11	30	7	0	0	30	4	26	4	110	6	251	2	55	100
Red-kneed Dotterel	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
Red-necked Avocet	2000	0	0	0	0	0	0	3	0	0	0	0	0	113	0	0	300
Red-necked Stint	0	0	9	2	0	0	0	55	0	170	1000	575	0	403	0	8	250
Ruddy Turnstone	0	0	6	0	0	0	0	0	0	19	4	4	5	0	8	0	12
Sanderling	0	0	2	0	0	0	0	0	0	21	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0	0	0	0	0	0	2	40	143	0	72	0	0	0
Sooty Oystercatcher	9	14	8	0	0	0	0	0	0	0	6	3	2	0	8	3	0
Terek Sandpiper	1	11	2	0	0	0	0	0	0	46	15	0	0	7	0	0	0
Wandering Tattler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whimbrel	37	10	1	5	9	0	0	0	1	9	200	207	12	27	0	0	2
Wood Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
unidentified large wader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified medium wader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified small wader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified waders	0	0	0	0	0	0	0	0	0	0	1	6	0	10	0	0	0
TOTAL	3125	619	171	320	331	212	13	291	67	1037	2297	5363	50	1441	36	180	2838
No. of species	15	9	16	9	9	4	4	10	6	21	27	26	7	25	6	7	14

Winter 2008

Tas

Vic

Species	Tas			Vic																
	Cape Portland	George Town Reserve	Kelso, Tamar Estuary	Begola	Belmont Common	Black Rocks / Breamelea	Lake Lorne	Point Richards	Moolap Saltworks	Swan Bay & Mud Islands	Lake Connewarre area	Corner Inlet	Anderson Inlet	East Port Phillip	Laverton/Altona	Werribee / Avalon	Discovery Bay to Glenelg River	Fitzroy River Mouth	Port Fairy	
Asian Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banded Lapwing	4	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banded Stilt	0	0	0	0	0	0	0	0	33	0	0	0	0	0	51	0	0	0	0	0
Bar-tailed Godwit	0	0	0	0	0	0	0	0	0	117	0	787	1	0	0	0	0	0	0	0
Beach Stone-curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-fronted Dotterel	4	0	0	0	0	1	1	0	0	0	20	0	0	0	0	151	0	0	0	0
Black-tailed Godwit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-winged Stilt	0	0	0	0	0	0	0	0	8	5	235	0	0	37	75	217	0	0	0	54
Broad-billed Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bush Stone-curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Common Greenshank	0	3	0	0	0	0	0	0	1	15	2	0	0	0	2	2	0	0	0	0
Common Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Curlew Sandpiper	0	0	0	0	0	0	0	0	0	5	95	5	0	0	1	481	0	0	0	0
Double-banded Plover	82	28	47	0	0	53	0	0	65	90	237	691	50	0	128	296	109	164	152	0
Eastern Curlew	0	0	0	0	0	0	0	0	0	0	0	18	15	0	0	0	0	0	0	0
Great Knot	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
Greater Sandplover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grey Plover	0	0	0	0	0	0	0	0	0	14	0	1	0	0	0	0	0	0	0	0
Grey-tailed Tattler	31	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
Hooded Plover	10	0	0	0	0	3	0	0	0	10	0	3	0	0	0	0	44	86	38	0
Latham's Snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesser Sandplover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long-toed Stint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marsh Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Masked Lapwing	15	117	24	2	2	0	13	12	51	131	85	9	28	4	5	111	0	23	40	0
Oriental Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Golden Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Pacific Gull	0	0	6	0	0	0	0	0	0	27	0	0	74	0	0	0	4	2	10	0
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pied Oystercatcher	57	25	46	0	0	0	0	0	19	26	6	744	5	0	0	35	93	40	27	0
Red Knot	0	0	0	0	0	0	0	0	0	47	33	80	0	0	0	0	0	1	0	0
Red-capped Plover	71	6	31	0	0	24	0	5	37	68	105	26	20	0	42	240	35	26	184	0
Red-kneed Dotterel	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	17	0	0	0	0
Red-necked Avocet	0	0	0	0	0	0	0	0	105	0	0	0	0	0	58	49	0	0	0	0
Red-necked Stint	40	0	0	0	0	1	0	0	0	81	136	595	0	0	46	648	0	0	11	0
Ruddy Turnstone	6	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	2	23	0
Sanderling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	99	0	0
Sharp-tailed Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sooty Oystercatcher	46	5	13	0	0	0	0	0	0	1	0	325	0	0	0	4	0	10	5	0
Terek Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wandering Tattler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whimbrel	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0
Wood Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified large wader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified medium wader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unidentified small wader	0	0	0	0	0	0	0	0	0	0	0	0	30	0	1	0	0	0	0	0
unidentified waders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	366	184	177	2	2	82	14	17	319	648	955	3297	224	41	410	2251	298	453	544	0
No. of species	11	6	7	1	1	5	2	2	8	16	11	14	8	2	10	12	6	10	10	0

Winter 2008	WA						TOTAL
Species	80 Mile Beach	Bush Point (Roebuck Bay sth)	Roebuck Bay	Swan Coastal Plain Lakes	Swan River & Rottnest Island	Peel & Yalgorup Lakes	
Asian Dowitcher	0	6	6	0	0	0	12
Banded Lapwing	0	0	0	0	14	0	28
Banded Stilt	0	0	0	0	1504	456	4044
Bar-tailed Godwit	3992	4114	518	0	0	4	12385
Beach Stone-curlew	0	0	0	0	0	0	20
Black-fronted Dotterel	0	0	0	0	0	0	252
Black-tailed Godwit	0	2	126	0	0	0	386
Black-winged Stilt	0	0	814	0	2	326	2688
Broad-billed Sandpiper	0	0	13	0	0	0	25
Bush Stone-curlew	0	0	0	0	0	0	4
Common Greenshank	257	41	51	0	0	4	539
Common Sandpiper	0	0	0	0	0	0	8
Curlew Sandpiper	1136	122	1889	0	0	9	3849
Double-banded Plover	0	0	0	0	0	0	2825
Eastern Curlew	109	66	11	0	0	0	1570
Great Knot	4151	5448	1399	0	0	0	11482
Greater Sandplover	1694	2871	293	0	0	0	5530
Grey Plover	250	160	1	0	1	0	444
Grey-tailed Tattler	1759	382	300	0	0	1	2738
Hooded Plover	0	0	0	0	0	31	225
Latham's Snipe	0	0	0	0	0	0	32
Lesser Sandplover	322	155	17	0	0	0	1619
Little Curlew	0	0	0	0	0	0	2
Long-toed Stint	0	0	0	0	0	0	0
Marsh Sandpiper	0	0	0	0	0	0	48
Masked Lapwing	0	0	0	0	0	0	934
Oriental Plover	0	0	0	0	0	0	0
Pacific Golden Plover	1	0	0	0	0	0	149
Pacific Gull	0	0	0	0	0	0	123
Pectoral Sandpiper	0	0	0	0	0	0	4
Pied Oystercatcher	21	156	48	0	4	10	1697
Red Knot	686	515	460	0	0	0	1836
Red-capped Plover	7038	5430	340	45	42	117	14623
Red-kneed Dotterel	0	0	0	0	0	0	30
Red-necked Avocet	0	0	145	0	0	6	2779
Red-necked Stint	3628	770	1149	0	0	40	9617
Ruddy Turnstone	20	113	179	0	0	0	408
Sanderling	230	0	0	0	0	0	365
Sharp-tailed Sandpiper	0	0	0	0	0	0	257
Sooty Oystercatcher	0	0	12	0	0	0	474
Terek Sandpiper	164	86	51	0	0	0	383
Wandering Tattler	0	0	0	0	0	0	0
Whimbrel	87	165	477	0	0	2	1255
Wood Sandpiper	0	0	0	0	0	0	2
unidentified large wader	0	0	0	0	0	0	0
unidentified medium wader	0	0	0	0	2	0	2
unidentified small wader	0	0	0	0	0	0	31
unidentified waders	0	0	0	0	0	0	17
TOTAL	25545	20602	8299	45	1569	1006	85741
No. of species	18	18	22	1	6	12	