A Case Study of the Conservation value of a small tourist resort island: Birds of Ro
APPENDIX 1 - (refer to PCB Volume 15 No 1 for this paper)

	Date of trip		1905-1929	1953-1963	1980-1992	1998-2007	2-9 Feb 80	17-24 May 80	20-27 Dec 80
	Authority for data		Various	Storr	DAS/PdeR	BA/DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR
	Coast walk								
	Coast survey								
	Lake and swamp survey								
Common Name	Scientific Name	Habitat							
Black Swan	Cygnus atratus	S		Vag	RaRes	Extirpated	rec	rec	1
Australian Shelduck	Tadorna tadornoides	B	CoRes	CoRes	CoRes	CoRes			
Australian Shelduck		S					rec	rec	rec
Australian Wood Duck	Chenonetta jubata	S			Vag	Vag			
Pacific Black Duck	Anas superciliosa	B							
Pacific Black Duck		S	Vag		UnRes	UnRes	rec		
Grey Teal	Anas gracilis	B							
Grey Teal		S		Vag	UnRes	UnRes	rec		
Hoary-headed Grebe	Poliocephalus poliocephalus	S	Vag	Vag	Vag	Vag			
Australasian Grebe	Tachybaptus novaehollandiae	S	Vag						
Wedge-tailed Shearwater	Puffinus pacificus	B	CoBrMig	CoBrMig	VcBrMig	VcBrMig			rec
Red-tailed Tropicbird	Phaethon rubricauda	S		Vag	Vag-Br				
Little Pied Cormorant	Phalacrocorax melanoleucos	B		Vag	UnRes	UnRes			
Pied Cormorant	Phalacrocorax varius	B	CoRes	CoRes	CoRes	CoRes	rec	rec	rec
Great Cormorant	Phalacrocorax carbo	B			Vag	Vag			
Great Cormorant		S							
Australian Pelican	Pelecanus conspicillatus	B				StUn			
White-faced Heron	Egretta novaehollandiae	B	Vag	Vag	Vag	Vag			
White-faced Heron		S							
Great Egret	Ardea alba	S			Vag				
Eastern Reef Egret	Egretta sacra	B	UnRes	UnRes	UnRes	UnRes			rec
Eastern Reef Egret		S							
Little Bittern	Ixobrychus minutus			Vag					
Straw-necked Ibis	Threskiornis spinicollis	S	Vag						
Osprey	Pandion haliaetus	B	UnRes	Res	CoRes	CoRes			rec
Black-shouldered Kite	Elanus axillaris	H			Vag	Vag			
White-bellied Sea-eagle	Haliaeetus leucogaster	B		Vag					
Spotted Harrier	Circus assimilis	H			Vag	Vag			
Brown Goshawk	Accipiter fasciatus	H		Vag	Vag	Vag			

Little Eagle	Hieraaetus morphnoides					Vag			
Brown Falcon	Falco berigora	W	UnSt	Vag					
Australian Hobby	Falco longipennis	H			Vag				
Nankeen Kestrel	Falco cenchroides	W;H	UnRes	CoRes	CoRes	CoRes	rec	rec	rec
Indian Peafowl	Pavo cristatus	W;H		UnRes	UnRes	UnRes	rec		rec
Common Pheasant	Phasianus colchicus	W;H		CoRes	CoRes	CoRes	rec	rec	rec
Spotless Crake	Porzana tabuensis	S				Vag			
Painted Button-quail	Turnix varia	H				RaRes			
Bar-tailed Godwit	Limosa lapponica	B			UnNonBrMig	UnNonBrMig			
Bar-tailed Godwit		S							
Whimbrel	Numenius phaeopus	B		UnNonBrMig	UnNonBrMig	UnNonBrMig			
Whimbrel		S							
Common Greenshank	Tringa nebularia	S		Vag	Vag	UnNonBrMig			
Terek Sandpiper	Xenus cinereus	S			Vag	Vag			
Common Sandpiper	Actitis hypoleucos	B			Vag	UnNonBrMig			
Common Sandpiper		S							
Grey-tailed Tattler	Heteroscelus brevipes	B			UnNonBrMig	UnNonBrMig			
Grey-tailed Tattler		S					rec		
Ruddy Turnstone	Arenaria interpres	B	NonBrMig	CoNonBrMig	CoNonBrMig	CoNonBrMig			
Ruddy Turnstone		S					rec	rec	rec
Great Knot	Calidris tenuirostris					Vag			
Sanderling	Calidris alba	B		UnNonBrMig	UnNonBrMig	UnNonBrMig			
Sanderling		S							
Red-necked Stint	Calidris ruficollis	B	VcNonBrMig	VcNonBrMig	VcNonBrMig	VcNonBrMig			
Red-necked Stint		S					rec	rec	rec
Sharp-tailed Sandpiper	Calidris acuminata	S	RaNonBrMig	RaNonBrMig	Vag	Vag			
Curlew Sandpiper	Calidris ferruginea	B	CoNonBrMig	CoNonBrMig	CoNonBrMig	CoNonBrMig			
Curlew Sandpiper		S					rec	rec	rec
Red-necked Phalarope	Phalaropus lobatus	S			Vag	RaNonBrMig	2		
Pied Oystercatcher	Haematopus longirostris	B	RaUnSt	CoRes	CoRes	CoRes			
Pied Oystercatcher		S					rec	rec	rec
Sooty Oystercatcher	Haematopus fuliginosus	B	UnSt	Vag	Vag	Vag			
Black-winged Stilt	Himantopus himantopus	S		Vag	Vag	RaNonBrMig			
Banded Stilt	Cladorhynchus leucocephalus	S	VcNonBrMig	VcNonBrMig	VcNonBrMig	VcNonBrMig	rec	rec	rec
Red-necked Avocet	Recurvirostra novaehollandiae	S	Vag	Vag	UnRes	UnRes	rec	rec	rec
Pacific Golden Plover	Pluvialis fulva	B	UnNonBrMig	UnNonBrMig	Vag	Vag			
Pacific Golden Plover		S							

Grey Plover	Pluvialis squatarola	B		UnNonBrMig	UnNonBrMig	UnNonBrMig			
Grey Plover		S							rec
Red-capped Plover	Charadrius ruficapillus	B	CoRes	CoRes	CoRes	CoRes			
Red-capped Plover		S					rec	rec	rec
Lesser Sand Plover	Charadrius mongolus	S;B			RaNonBrMig	Vag			
Greater Sand Plover	Charadrius leschenaultii	B		RaNonBrMig	Vag				
Greater Sand Plover		S							
Black-fronted Dotterel	Elseyornis melanops	S			Vag				
Hooded Plover	Thinornis rubricollis	S	UnSt	Vag		Vag			
Banded Lapwing	Vanellus tricolor	H		CoRes	CoRes	CoRes	rec	rec	rec
Silver Gull	Larus novaehollandiae	B;S	VcRes	VcRes	VcRes	VcRes	rec	rec	rec
Caspian Tern	Sterna caspia	B		UnRes	UnRes	UnRes			
Caspian Tern		S					rec	rec	rec
Crested Tern	Sterna bergii	B	VcRes	VcRes	VcRes	VcRes			
Crested Tern		S					rec	rec	rec
Roseate Tern	Sterna dougallii	B		Vag	Vag				
Roseate Tern		S							
Fairy Tern	Sterna nereis	B	CoBrMig	CoBrMig	CoBrMig	?BrMig			
Fairy Tern		S					rec	rec	rec
Bridled Tern	Sterna anaethetus	B	CoBrMig	CoBrMig	CoBrMig	CoBrMig			rec
Whiskered Tern	Chlidonias hybridus	S			Vag				
Rock Dove	Columba livia	W			Vag	Vag			
Laughing Turtle-Dove	Streptopelia senegalensis	W;H		CoRes	CoRes	CoRes	rec	rec	rec
Spotted Turtle-Dove	Streptopelia chinensis	W;H		UnRes	UnRes	UnRes	rec	rec	rec
Carnaby's Black Cockatoo	Calyptorhynchus latirostris	W			Vag				
Galah	Cacatua roseicapilla	W;H		Vag	Vag	UnRes			
Rainbow Lorikeet	Trichoglossus haematodus	W			Vag	Vag			
Purple-crowned Lorikeet	Glossopsitta porphyrocephala	W			Vag		rec		
Australian Ringneck	Barnardius zonarius	W		Vag	Vag				
Rock Parrot	Neophema petrophila	B;S;W	CoRes	UnRes	UnRes	UnRes	rec	rec	
Pallid Cuckoo	Cuculus pallidus	W	UnSt	Vag	Vag				
Fan-tailed Cuckoo	Cacomantis flabelliformis	W	UnSt	UnBrMig	UnBrMig	UnBrMig			
Horsfield's Bronze-Cuckoo	Chrysoccyx basilis	W			Vag				
Shining Bronze-Cuckoo	Chrysoccyx lucidus	W	Vag	Vag					
Barn Owl	Tyto alba	W			Vag				
Southern Boobook	Ninox novaeseelandiae	W	Vag		Vag				
Sacred Kingfisher	Todiramphus sanctus	W		StUn	CoRes	CoRes		rec	rec

Rainbow Bee-eater	Merops ornatus	W;H			CoBrMig	CoBrMig	rec		rec
Spotted Pardalote	Pardalotus punctatus					Vag			
Striated Pardalote	Pardalotus striatus	W		Vag	Vag				
White-browed Scrubwren	Sericornis frontalis	W;H	UnRes	UnRes	UnRes	UnRes		rec	
Western Gerygone	Gerygone fusca	W		CoRes	CoRes	CoRes	rec		rec
Singing Honeyeater	Lichenostomus virescens	W;H	CoRes	VcRes	VcRes	VcRes	rec	rec	rec
White-fronted Chat	Epthianura albifrons	S;W;H	CoRes	CoRes	CoRes	CoRes	rec	rec	rec
Red-capped Robin	Petroica goodenovii	W	CoRes	UnRes	UnRes	UnRes	rec	rec	rec
Golden Whistler	Pachycephala pectoralis	W	UnRes	UnRes	UnRes	UnRes	rec		rec
Rufous Whistler	Pachycephala rufiventris	W	UnRes						
Magpie-lark	Grallina cyanoleuca	W	Vag		Vag	Vag			
Grey Fantail	Rhipidura fuliginosa	W		Vag	Vag	Vag			
Willie Wagtail	Rhipidura leucophyrs	W;H			Vag	Vag		1	
Black-faced Cuckoo-Shrike	Coracina novaehollandiae	W	RaNonBrMig	RaNonBrMig	RaNonBrMig	RaNonBrMig			
White-winged Triller	Lalage sueurii	W	Vag		Vag	Vag			
Australian Magpie	Gymnorhina tibicen	W		Vag	Vag	Vag			
Australian Raven	Corvus coronoides	B;S;W;H	CoRes	CoRes	CoRes	CoRes	rec	rec	rec
Australian Pipit	Anthus australis	H	CoRes	CoRes	CoRes	CoRes	rec		rec
Welcome Swallow	Hiundo neoxena	B;S;W;H	VcRes	VcRes	VcRes	VcRes	rec	rec	rec
Tree Martin	Hirundo nigricans	S;W;H	Vag	UnNonBrMig	CoNonBrMig	VcNonBrMig	rec		rec
Silvereye	Zosterops lateralis	W;H	VcRes	VcRes	VcRes	VcRes	rec	rec	rec
Total species recorded	101						37	29	38
No vagrants recorded	41						0	1	0

ottnest Island, Western Australia 1905-2007 By Denis A. Saunders and Perry de Rebeira

19-28 Dec 81	5-8 Feb 82	13-15 Mar 82	2-4 Apr 82	23-26 Apr 82	4-6 Jun 82	16-18 Jul 82	27-30 Aug 82	23-28 Sep 82	8-13 Oct 82	10-14 Nov 82	7-10 Dec 82	22 Dec -5 Jan 83
DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR
								24-27 Sep 82				
		14-Mar-82		25-Apr-82	4-Jun-82	17-Jul-82	29-Aug-82		11-Oct-82	12-Nov-82	9-Dec-82	
22-Dec-81	7-Feb-82	13-Mar-82		24-Apr-82	4-Jun-82	16-Jul-82	28-Aug-82	26-Sep-82	9-Oct-82	11-Nov-82	8-Dec-82	30-Dec-82
1	1	1		1	1	2	1	1	1	1	1	1
				2	4	1	7	3	2			
293	209	127	rec	162	106	78	275	229	202	249	400	346
13	7	6	3	6	9					2	3	12
3		8		17	25			8		7	12	7
					5	4						
			rec				rec	rec	rec		rec	
rec		2	rec	13	5	1	3	3	2	8	3	rec
rec	rec	75	rec	128	114	177	156	101	90	58	130	rec
				rec					2			
				1								
				1								
		1					1	2	1	1	1	
rec	rec	10	rec	13	11	12	17	20	18	16	11	rec
				1								

rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec		rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
		3	rec	4				13	2		6	rec
8	4											
			rec			1	1	2	1	2	1	rec
2	1	1										
1										1		
											1	
		3	rec	2	1			14				2
3		7		11		1	2	2	1	5	4	
		21	rec	13	11	17	5	188	29	8	31	
390	144	244	rec	329	11		46	214	254	383	449	229
		4	rec	22				74	44	5	12	rec
34		17								18	19	
		6										
837	777	1942	rec	1581	613	221	431	958	841	2521	3509	823
1		1										
119	78	83	rec	3		3	rec	23	43	407	360	203
	rec	8	rec	21	10	18	15	30	11	29	19	rec
4		2			2	5	4	5	3	7	13	1
219	847	261	rec	631	370	39	339	675	625	920	1087	1076
26	12	7	rec	18	11	2	6	9	10	18	16	20
		2									1	
	2											

		4	rec			1		17	19	1	1	
5	19	29		10	3	3	6	17	4	39	30	18
							3	10				
115	160	217	rec	120	72	47	40	75	106	137	128	160
								2				
		1										
rec		rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
		1	rec	2	6	2	1	11	2			
2				23	19		2	7	11	12	2	4
		1172	rec	762	816	527	578	501	623	420	361	rec
336	232	115		201	1027	180	284	570	379	492	449	585
		9			1			8	53	11	16	
9	144	14		6				1	4	60	164	134
rec	rec								rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
						rec						
						rec		rec	rec			
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec

rec	rec								rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
			1								1	
			1		1	1		1				
									1			
							1	1	1			
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec			rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
46	38	46	42	45	40	40	39	47	48	45	49	44
1	0	0	0	3	0	1	1	1	3	1	1	0

2-4 Feb 83	9-11 Mar 83	13-15 Apr 83	10-15 May 83	13-17 Jun 83	25-29 Jul 83	15-19 Aug 83	12-16 Sep 83	10-14 Oct 83	14-18 Nov 83	12-16 Dec 83	21 Dec 83-4 Jar
DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR
2-Feb-83	10-Mar-83	14-Apr-83	12-May-83	15-Jun-83	26-Jul-83	17-Aug-83	13-Sep-83	12-Oct-83	16-Nov-83	13-Dec-83	
3-Feb-83	9-Mar-83	13-Apr-83	11-May-83	14-Jun-83	27-Jul-83	16-Aug-83	14-Sep-83	11-Oct-83	15-Nov-83	12-Dec-83	
1	1	1	2	2	1	1	1	2	1	1	1
			6	15	8	24	14				
182	103	124	261	124	82	136	145	184	207	295	rec
9	4	14	4	3		2				6	rec
16	14	18	24							7	rec
			8	10	1						
rec								rec	rec	rec	rec
13	8	10	3	22	22	6	8	1	2	2	rec
153	178	178	160	334	188	210	191	118	132	151	rec
									1		
	1	1									
1	1										
1	2		1	1	2	1			2	1	
5	11	9	6	12	11	18	11	13	10	7	rec
				1							

rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
	1			1				2	11	7	
										2	
2	3							1	3		rec
						1				2	
1									1		
4	11	1	1					2	5	2	rec
10	1	3	10	1	3	8	1	5	3	2	
31	54	41	45	21	12	4	65	37	56	71	rec
427	220	349	365	109	142	148	298	259	330	424	
3	22	32	21	10	6		52	44	42	32	rec
82	2	19	8	2		26			2	10	
9	42								23		rec
1833	404	1294	1832	737	153	151	1623	1126	1719	1659	
									4		
										19	rec
353	134	289	635	535	4	53	259	210	723	590	
								1			
18	9	11	11	9	6	5	19	13	27	18	rec
4	2		2		2	10	7	12	4	6	
	1										
1888	3192	714	111	555	53	4	4	176	979	296	rec
18	6	14	14	10	1			4	20	15	rec

6	12		2	1		1	2	8	5	10	rec
16	9	4	7	1	8	4	1	5	2	33	
	1	1					1	1			rec
184	94	98	110	89	23	22	22	68	181	113	
										1	
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
3		2	7	11	1	2	3	8			rec
4	9	26	38	13	4	3	6	10	20	13	
1057	1115	1240	742	880	337	456	279	508	445	90	rec
120	77	116	453	1285	294	212	339	201	443	555	
		2	3								
										1	
66	1		11	1			4	10	75	262	rec
308	15		1	1						12	
rec	rec							rec	rec	rec	rec
								10			
								1			
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
					8	9					
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
				rec	rec	rec			rec		
					1						
			1								
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec

rec	rec							rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
		1									
						1					
				3	2	1					
1											
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
48	47	42	44	45	43	40	37	45	48	48	44
2	2	3	3	2	2	2	0	1	1	1	0

16-20 Jan 84	15-19 Feb 84	12-16 Mar 84	9-13 Apr 84	21-25 May 84	11-15 Jun 84	16-20 Jul 84	8-10 Oct 84	22 Dec 84-3 Jan	29 Apr -3 May 8	19-21 Jun 85	11-12 Jul 85
DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR
18-Jan-84	16-Feb-84	13-Mar-84	10-Apr-84	22-May-84	12-Jun-84		9-Oct-84		30-Apr-85		12-Jul-85
17-Jan-84	15-Feb-84	12-Mar-84	9-Apr-84	21-May-84	11-Jun-84		8-Oct-84		29-Apr-85		11-Jul-85
1	1	1	1	1	1	1	1	1	1	1	1
	1			4	2				2		8
218	133	176	106	143	101	rec	285	rec	224	rec	93
					2				2		
11	8	24	20				6	rec	11		
6	16	21	21					rec	26		
				1							7
		rec					rec				
10	4	7	10	9	8		6		5		15
132	143	193	163	273	231	rec	75	rec	205	rec	131
							1				
1			1		1				1		
1								rec			
		1									
6	8	9	11	11	9	rec	12	rec	9	rec	14
			1								
		1		1							

						1					
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec		
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
7	7	2	8				3	rec	3		
							1		1		
1	5				1		5	rec			
											2
								1			
	6	3	3		1		1				1
2	4	4	8	2	1			rec	13	rec	5
49	40	49	64		12	rec	38				
395	203	255	413	114	112		46	rec	179	rec	5
8	58	69	17				45	rec			
3	1		5	4					1		
	66	68									
798	422	1002	2095	30	53		1122	rec	632	rec	71
38	72	199	115	1	4		108	rec	38	rec	
18	15	12	7	5	16	rec	5	rec	3	rec	16
		3			5		6				3
								2			
987	1004	7	4	4	5	3	101	rec	3371	rec	2022
17	17	6	3	3	4	rec	5	rec	17	rec	14

20	18	8	2		1		1				1
16	25	21	7	19	16		4	rec	5	rec	4
		2			1						
139	109	99	101	14	3	rec	48	rec	92	rec	62
									1		
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
1	1	7		14	3	rec	1	rec	8	rec	2
7	3	17	15	34	33		10		34		7
504	534	538	966	707	1230	rec	537	rec	698	rec	210
183	390	89	849	262	349		382		419		324
		6	4						3		
67	29	1					53	rec	5		
148	97	4							1		
rec	rec							rec			
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
									1		
rec	rec	rec	rec	rec	rec	rec	rec			rec	
											1
				rec	rec	rec	rec	rec		rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	

rec	rec	rec					rec	rec			
							rec				
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec		rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec		rec
									1		
			1	1	1	1					
									3	1	1
1											
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec		rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
47	44	46	44	41	41	34	46	46	47	33	37
1	0	2	4	3	3	2	2	0	6	0	2

10-11Dec 85	21 Dec 85-4 Jar	14-15 Mar 86	21-Jun-86	8-Jul-86	16-18 Jul 86	8-9 Dec 86	17-29 Dec 86	15-17 Jul 87	7-8 Dec 87	21 Dec 87-4 Jar	1-7 Oct 88
DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR
11-Dec-85					17-Jul-86	9-Dec-86		16-Jul-87	7-Dec-87		
10-Dec-85					16-Jul-85	8-Dec-86		15-Jul-87	8-Dec-87		
1	1				1	1	1	1	1	1	
2					14	2	rec	4			
483	rec	rec	rec	rec	104	310	rec	118	402	rec	rec
7	rec	rec			3	24	rec	1	33	rec	rec
21	rec	rec				14	rec		29	rec	
			5					2			
10	rec			rec	14	10	rec	11	5	rec	rec
67	rec			rec	103	22	rec	210	95	rec	rec
						1					
1	1					1	rec	1		1	
			1						1		
1					1		rec	1	1	rec	
23	rec		rec	rec	17	11	rec	16	16	rec	rec
		1		1			1				
					1					1	

				1							
rec	rec	rec	rec	rec	rec		rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
12			rec	rec	5	2	rec	5	8	rec	rec
1	rec										
6		rec			1	3	rec	1		rec	
1											
	2					1	1		2	1	
									1	1	
						1				1	
						3			11	rec	
4	rec		rec		8		rec	rec			rec
18					5	38			31	rec	rec
312	rec	rec	rec	rec	74	258	rec	10	113		
3	rec	rec	rec	rec	38	17	rec			rec	rec
12									1		
20											
2555	rec	rec	rec	rec	1	1391	rec		748	rec	rec
3											
606	rec	rec	rec			181	rec		71	rec	rec
			1	1							
11	rec	rec	rec	rec	14	15	rec	16	24	rec	rec
6					4	7		6	8		
										1	
1802	rec	rec	rec	rec	8	1675	rec	33	1434	rec	rec
25	rec	rec	rec	rec		25	rec	7	37	rec	

8					11	10		1	3		
28	rec	rec	rec	rec	5	21	rec		22	rec	rec
113	rec	rec	rec		1	114	rec	12	47	rec	rec
rec	rec			rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
2	rec		rec		2	2		17	2	rec	rec
16				rec	4	12	rec	8	18		
179	rec	rec	rec		307	44	rec	315	339	rec	rec
605				rec	300	757		621	303		
19	rec	rec				37	rec		188	rec	rec
227						155			230		
9	rec					1	rec		15	rec	
						1					
				25							
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
rec		rec		rec	rec	rec	rec	rec	rec	rec	rec
rec		rec			rec	rec		rec	rec	rec	rec
				rec	rec			rec	rec	rec	rec
				1							
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec

rec	rec	rec				rec	rec		rec	rec	
rec				rec	rec		rec	rec		rec	rec
	rec			rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
rec	rec			rec	rec	rec	rec	rec	rec	rec	rec
rec	rec			rec		rec	rec	rec	rec	rec	rec
			2		6						
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
rec	rec				rec		rec		rec	rec	
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec					rec	rec	rec	rec	rec	rec
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec	rec
45	42	30	23	37	40	46	47	40	47	52	38
1	1	1	1	4	1	3	2	2	2	4	0

14-28 Dec 88	18-30 Jan 90	19-29 Dec 90	17-19 Jun 91	20-24 Sep 92	4-6 Jun 05	2-5 Feb 06	10-12 Jun 06	Feb-07	Jun-07	2-8 Sep 07
DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	DAS/PdeR	Birds Aust	Birds Aust	Birds Aust	Birds Aust	Birds Aust	DAS/PdeR
				21-23 Sep 92						3-4 Sep 07
				24-Sep-92						5-Sep-07
1										
				6						11
rec	rec	rec	rec	276	rec		rec	rec	rec	155
										5
rec	rec	rec	rec	13	rec		rec		rec	10
										4
rec	rec	rec		6	rec		rec		rec	34
			1		5					
rec				rec						rec
rec	rec	rec		4					rec	4
rec	rec	rec	rec	105	rec		rec		rec	170
					2		1		3	2
2										
	rec	1					1			
rec	1			2	rec		1			1
rec	rec	rec		17	rec		rec	rec	rec	23

									1	
rec	rec	rec	rec	rec	rec		rec		rec	rec
rec	rec	rec	rec	rec				rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
					1					
					2	4	rec	4	4	
rec	rec	rec		19	rec	rec		rec		
rec	rec	rec		9		rec				1
3	2	1	2	2		1		1		
				1		1				
				6		rec		rec		2
rec	rec	rec								
rec	rec	rec		312	rec	rec	rec	rec	rec	38
				247						33
rec	rec	rec		73		rec		rec		
				1						
				5	rec	rec	rec	rec	rec	2
rec	rec	rec	rec	869						208
1						1				
					rec	rec	rec	rec		
rec	rec	rec		24						
						2				
rec	rec	rec	rec	39	rec	rec	rec	rec	rec	54
				17						3
					5	13	18	4	5	8
rec	rec	rec	rec		406	4	43	154	601	700+
rec	rec	rec	rec		2	11	6	11	4	14
						1		1		

				29		rec	rec	rec		
rec	rec	rec	rec	11						
					rec	rec	rec	rec	rec	7
rec	rec	rec								34
						1				5
								1		
rec	rec			rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec		rec		rec	rec
rec	rec	rec	rec	5	rec		rec		rec	12
				15						3
rec	rec	rec	rec	342	rec		rec		rec	732
				83						26
					1					
	1									
rec	rec	rec	rec	13	rec				rec	63
				1						
rec	rec	rec							rec	
rec	rec	rec		rec	rec	rec	rec	rec	rec	rec
rec	rec	rec		rec	rec	rec			rec	rec
3										
	1			1	26	22+	rec		4	35+ breeding
								2	1	1
rec	rec			rec						rec
				rec	rec		rec		rec	rec
							2			
rec	rec	rec		rec	rec	rec	rec		rec	rec

rec	rec	rec				rec		rec		
									1	
rec		rec		rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
	1									
					1		1		4	
							rec		4	
					9		2		2	
							rec		2	
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
rec	rec	rec		rec	rec	rec	rec			rec
rec	rec	rec	rec	rec	rec		rec	rec	rec	rec
rec	rec	rec		rec	rec			rec	rec	rec
rec	rec	rec	rec	rec	rec	rec	rec	rec	rec	rec
50	48	43	25	44	45	36	43	34	46	45
2	2	1	1	0	4	0	4	1	6	1

Change 1905-2007	# visits sp seen (n=63)	# birds seen	% sp on coast
Extirpated	48	51	
No change	62	142	1.8
		7846	
Vagrant no change	2	4	
Change in status	43	5	1.8
		274	
Change in status	35	4	1.1
		360	
Vagrant no change	11	49	
Vagrant no change			
Increase in abundance	16		
Vagrant no change			
Change in status	49	259	
No change	59	5340	
Vagrant no change	5	4	
		1	
	4	7	
Vagrant no change	20	13	68.4
		7	
Vagrant no change	1	1	
No change	29	27	96.4
		1	
Vagrant no change			
Vagrant no change			
Increase in abundance	58	453	
Vagrant no change	4	4	
Vagrant no change			
Vagrant no change	4	4	
Vagrant no change	2	2	

Vagrant no change	1	1	
Vagrant no change			
Vagrant no change	2	2	
Increase in abundance	60	No count	
Introduction	56	No count	
Introduction	61	No count	
Vagrant no change	1	1	
Change in status	5	14	
Change in status	29	131	88.5
		17	
No change	34	50	90.9
		5	
Change in status	13	21	
Vagrant no change	4	4	
Change in status	10	9	80
		2	
Change in status	53	85	38.8
		134	
No change	62	1454	14.6
		8533	
Vagrant no change			
No change	46	753	73.8
		267	
No change	61	241	0.6
		39582	
Change in status	6	11	
No change	54	19	0.3
		6564	
Change in status	4	5	
Increase in abundance	63	577	78
		163	
Vagrant no change	2	2	
Change in status	7	55	
Decline 1960s to 1980s	62	28221	
Change in status	58	451	
Change in status	5	5	71.4
		2	

No change	56	203	29.8
		477	
No change	61	27	0.8
		3369	
Change in status	3	8	
Change in status	3	2	66.7
		1	
Vagrant no change	1	1	
Vagrant no change			
Change in status	58	No count	
Decline in abundance	61	No count	
Change in status	59	141	23.3
		464	
No change	61	21091	58.6
		14887	
Vagrant no change	8	19	90.5
		2	
No change	44	1003	36.6
		1736	
No change	26	No count	
Vagrant no change	2	11	
Vagrant no change	2	26	
Invaded 1930s	61	No count	
Invaded 1930s	58	No count	
Vagrant no change	1	3	
Change in status	9	102	
Vagrant no change	3	4	
Vagrant no change	1	No count	
Vagrant no change	1	1	
Decline in abundance	15	No count	
Vagrant no change	2	2	
No change	25	No count	
Vagrant no change	2	3	
Vagrant no change			
Vagrant no change	1	1	
Vagrant no change	1	1	
Change in status	58	No count	

Change in status	31	No count	
Vagrant no change	1	1	
Vagrant no change	1	No count	
No change	52	No count	
Invaded by 1950s	59	No count	
No change	62	No count	
No change	62	No count	
No change	61	No count	
No change	58	No count	
Extirpated			
Vagrant no change	2	2	
Vagrant no change	4	7	
Vagrant no change	10	13	
No change	15	36	
Vagrant no change	2	2	
Vagrant no change	5	6	
Decline in abundance	62	No count	
No change	52	No count	
No change	62	No count	
Change in status	53	No count	
No change	62	No count	