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# Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme

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Monthly Waterbird Count Data  
April 2004 – March 2005

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The Hong Kong Bird  
Watching Society Limited



Agriculture, Fisheries and  
Conservation Department

# Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

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YU Yat Tung

## *Project Funding*

Agriculture, Fisheries and Conservation Department

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Cover photo: Waders at Mai Po mudflat (Photo by: Marcus HO)

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**APRIL 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Summer Count

April 2004

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**Summary Report – April 2004**

Y.T. Yu<sup>1</sup>

The April 2004 waterbird count took place on the 18<sup>th</sup>. The count completely covered the Deep Bay area and the Ramsar Site.

A total of 13,681 waterbirds were counted in the Deep Bay area including the Fu Tian National Nature Reserve at Shenzhen, of which 11,748 (86%) were present in the Ramsar Site. The largest group in April comprised of waders, which have the peak passage period in the latter half of April. A total of 11,272 (82%) waders were counted. The next largest group is ardeids which was counted of 1,752 (13%) in the Deep Bay area. No wintering ducks and only a single Great Cormorants were only presented in the count, indicating that these birds have left this wintering ground.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that the number of waterbird in both the Deep Bay area and the Ramsar Site of this count is the highest count in past five years and also higher than the average figure.

Table 1. April Waterbird Counts 2000-2004.

April	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	8,049	12,858	10,399	9,019	13,681	10,949	2,195
Ramsar Site	7,826	11,683	8,319	7,595	11,748	9,712	1,995

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### Summary of Waterbird Count, April 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	14	32	1					25		5	0	1	6	27	29	29	0	58	<b>140</b>		
Great Cormorant	0	0						0		0	0	0	0	0	1	0	0	1	<b>1</b>		54
Grey Heron	0	1	1	2				0		0	0	0	0	0	102	0	2	104	<b>106</b>	1	9
Purple Heron	1														3			3	<b>4</b>		
Great Egret	3	21	69	12	12	40	78	59	11	27	7	2	8	23	52	90	144	286	<b>424</b>	11	172
Intermediate Egret	0	0		4			3	2		0	3	0	0	0	14	4	7	25	<b>26</b>		5
Little Egret	3	23	247	7		24	17	94	55	55	30	22	61	37	40	237	55	332	<b>715</b>	19	83
Cattle Egret	0	7	64			5		4		2	37	7	10	23	0	60	5	65	<b>159</b>		10
Chinese Pond Heron	2	11	76	2		2		4	10	27	6	10	13	32	7	41	5	53	<b>202</b>	6	4
Striated Heron	0	0						2		0	0	0	0	0	2	2	0	4	<b>4</b>		
B-c Night Heron	0	1	41				7	4		3	1	0	1	0	1	7	8	16	<b>59</b>	2	210
Yellow Bittern	0	0						0		1	0	0	1	0	0	2	0	2	<b>2</b>		
Black-faced Spoonbill			1			4	24								22		28	50	<b>51</b>		
Common Teal	0	0						0		0	0	0	0	0	0	0	0	0	<b>0</b>		10
Chinese Spotbill															1			1	<b>1</b>		
White-breasted Waterhen	3	4	3					8		8	0	1	0	0	9	12	1	22	<b>36</b>	3	2
Common Moorhen	6	26	16					4		32	0	1	6	5	16	36	0	52	<b>112</b>		
Black-winged Stilt			39					23			12				114	31		145	<b>188</b>		
Pied Avocet				1631											0		1631	1631	<b>1631</b>		
Pacific Golden Plover				94											0		94	94	<b>94</b>		
Grey Plover				22											0		22	22	<b>22</b>		
Little Ringed Plover	8	0	1					1		0	0	1	0	0	0	2	0	2	<b>11</b>		12
Lesser Sand Plover				47											0		47	47	<b>47</b>		
Greater Sand Plover			10	214											0		214	214	<b>224</b>		
Black-tailed Godwit				977											0		977	977	<b>977</b>		
Bar-tailed Godwit				10											0		10	10	<b>10</b>		

Whimbrel			19										0		19	19	<b>19</b>		
Eurasian Curlew			13										0		13	13	<b>13</b>		
Spotted Redshank			50	560			1						0	1	560	561	<b>611</b>		
Common Redshank			750										383			383	<b>1133</b>		
Marsh Sandpiper			1	1598			2						0	2	1598	1600	<b>1601</b>		
Common Greenshank			30	139			7						1	6	140	147	<b>177</b>		
Nordmann's Greenshank			2										0		2	2	<b>2</b>		
Green Sandpiper	1	6					2	2	0	1	2	3	0	6	0	6	<b>17</b>		2
Wood Sandpiper	8	7	15				14	0	1	3	0	1	92	18	0	110	<b>141</b>		7
Terek Sandpiper			27										0		27	27	<b>27</b>		
Common Sandpiper	1	9	6				35	8	7	18	4	2	0	46	20	66	<b>90</b>	2	
Grey-tailed Tattler			4										0		4	4	<b>4</b>		
Ruddy Turnstone			5										0		5	5	<b>5</b>		
Red-necked Phalarope			2										0		2	2	<b>2</b>		2
Pintail Snipe		2											0			0	<b>2</b>		
Common Snipe		1											0			0	<b>1</b>		
Asian Dowitcher			10										0		10	10	<b>10</b>		
Red Knot			1										0		1	1	<b>1</b>		
Great Knot			31										0		31	31	<b>31</b>		
Sanderling			5										0		5	5	<b>5</b>		
Red-necked Stint			65										0		65	65	<b>65</b>		
Temminck's Stint									1				0	1		1	<b>1</b>		
Long-toed Stint			3						1				6	1		7	<b>10</b>		
Sharp-tailed Sandpiper			2						2				1	2	2	5	<b>5</b>		
Curlew Sandpiper			2020										2048		2020	4068	<b>4068</b>		
Broad-billed Sandpiper			26										0		26	26	<b>26</b>		
Ruff			1										0		1	1	<b>1</b>		
Gull-billed Tern			361										0		361	361	<b>361</b>		
Caspian Tern			5										0		5	5	<b>5</b>		
Little Tern			1										0		1	1	<b>1</b>		

<b>Total</b>	<b>50</b>	<b>151</b>	<b>1424</b>	<b>7919</b>	<b>12</b>	<b>75</b>	<b>129</b>	<b>291</b>	<b>76</b>	<b>170</b>	<b>108</b>	<b>67</b>	<b>112</b>	<b>153</b>	<b>2944</b>	<b>636</b>	<b>8168</b>	<b>11748</b>	<b>13681</b>	<b>44</b>	<b>582</b>
	<b>Deep Bay Area</b>	<b>%</b>	<b>Ramsar Site</b>	<b>%</b>	<b>SW</b>	<b>SI</b>															
<b>Cormorants</b>	<b>1</b>	<b>0.01</b>	<b>1</b>	<b>0.01</b>	<b>0</b>	<b>54</b>															
<b>Ardeids etc</b>	<b>1752</b>	<b>12.81</b>	<b>940</b>	<b>8.00</b>	<b>39</b>	<b>493</b>															
<b>Ducks, grebes, pelicans</b>	<b>141</b>	<b>1.03</b>	<b>59</b>	<b>0.50</b>	<b>0</b>	<b>10</b>															
<b>Rails, Coot etc</b>	<b>148</b>	<b>1.08</b>	<b>74</b>	<b>0.63</b>	<b>3</b>	<b>2</b>															
<b>Waders</b>	<b>11272</b>	<b>82.39</b>	<b>10307</b>	<b>87.73</b>	<b>2</b>	<b>23</b>															
<b>Gulls and terns</b>	<b>367</b>	<b>2.68</b>	<b>367</b>	<b>3.12</b>	<b>0</b>	<b>0</b>															
<b>TOTAL</b>	<b>13681</b>		<b>11748</b>		<b>44</b>	<b>582</b>															
Date of count: 18 Apr 2004																					

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

<b>Wetland-dependant species</b>																					
<b>Species</b>	<b>SRA</b>	<b>SRB</b>	<b>DBA</b>	<b>DBB</b>	<b>DBC</b>	<b>DBD</b>	<b>DBE</b>	<b>DBF (TBT)</b>	<b>NW / LFS</b>	<b>TKC</b>	<b>LC</b>	<b>TSW</b>	<b>MPST</b>	<b>ST</b>	<b>MPNR</b>	<b>Ramsar ponds</b>	<b>Ramsar intertidal areas</b>	<b>Ramsar Site</b>	<b>DEEP BAY AREA</b>	<b>Shuen Wan</b>	<b>Starling Inlet</b>
Osprey															1			1	1		1
Black Kite	0	2		2				8		5	1	0	2	3	2	15	0	17	25	3	1
White-bellied Sea Eag															1			1	1		1
Peregrine Falcon															1			1	1		
Pied Kingfisher	0	5						2		1	2	0	3	3	3	7	0	10	19	1	
Common Kingfisher	0	10						2		5	1	0	3	3	1	7	1	9	25	1	3
White-throated Kingfisher	0	0						0		0	0	0	0	0	0	0	0	0	0	1	2
Black-capped Kingfisher	0	0						0		0	0	0	0	0	2	0	0	2	2	1	
Collared Crow	0	0						5		0	13	0	2	0	2	20	0	22	22	2	

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**MAY 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Summer Count

May 2004

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**Summary Report – May 2004**

Y.T. Yu

The May 2004 waterbird count took place on 16<sup>th</sup> and the coverage of Ramsar site and Deep Bay area including Futian was completely covered.

A total of 3,133 waterbirds were counted in the Deep Bay area, of which 2,302 (73%) were recorded in the Ramsar site. Waders and ardeids comprised the largest two groups of birds in this count, 1,657 (53%) and 1,344 (43%) birds were counted respectively. Compare to the count in April, this relatively low count was caused by departure of some passage waders. There are also signal of summer visitors e.g. Yellow Bitterns and Striated Herons. In addition, two globally threatened species were recorded in the Mai Po Inner Deep Bay Ramsar site area: three Swinhoe's Egrets *Egreta eulophotes* and one single Spoon-billed Sandpiper *Eurymorhynchus pygmeus*.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird in Deep Bay and Ramsar site of this count were lower than the average.

Table 1. March waterbird counts 2000-2004.

March	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	2,206	3,201	8,028	3,925	3,133	4,078	2,040
Ramsar Site	1,862	2,238	7,000	3,153	2,302	3,332	1,893

### Summary of Waterbird Count, May 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	23	6						29		1	0	0	3	10	12	21	0	33	84		
Great Crested Grebe															0			0	0		
Great Cormorant	0	0						0		0	0	0	0	1	1	0	0	1	2		
Grey Heron	0	0						0		0	0	0	0	1	1	0	0	1	2		2
Great Egret	27	22	173	32			3	26	22	5	9	4	23	11	71	56	40	167	428	12	136
Intermediate Egret	1	0						0		0	0	0	0	9	11	0	0	11	21		2
Little Egret	22	13	170	50			1	30	4	41	18	20	17	10	44	82	60	186	440	41	50
Swinhoe's Egret				3											0			0	3		1
Cattle Egret	0	37						74		7	19	16	9	14	1	121	0	122	177	98	45
Chinese Pond Heron	14	11	51	1			1	16	7	21	11	9	13	18	10	58	3	71	183	8	2
Striated Heron	0	0	2	1				0		0	0	1	0	0	3	0	1	4	7		
B-c Night Heron	3	3	20					14	1	0	1	0	2	0	21	16	1	38	65	1	136
Yellow Bittern	0	0	1					0		0	0	0	0	0	0	0	0	0	1	1	
Black-faced Spoonbill															17			17	17		
Chinese Spotbill															2			2	2		
Burmese Spotbill															2			2	2		
White-breasted Waterhen	1	6	6					4		1	0	1	5	0	8	9	1	18	32		2
Common Moorhen	1	0	4	2				0		0	0	0	0	3	0	0	2	2	10		
Black-winged Stilt			15												69			69	84		
Pied Avocet				56											0		56	56	56		
Pacific Golden Plover															1			1	1		
Grey Plover															9			9	9		
Little Ringed Plover	2	0	1					0		2	0	0	0	0	0	1	0	1	5		2
Kentish Plover															2			2	2		
Lesser Sand Plover															33			33	33		
Greater Sand Plover															89			89	89		





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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**JUNE 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2004/05

Summer Count

June 2004

**Summary Report – June 2004**

Y.T. Yu

The June 2004 count was conducted on 20<sup>th</sup>. Coverage of the count completely includes the whole Mai Po Inner Deep Bay Ramsar Site and the Futian National Nature Reserve in Shenzhen.

A total of 2,697 waterbirds were recorded in the Deep Bay area. Of which, a total of 2,092 (78%) waterbirds were present in the Ramsar Site. Ardeids was the largest group of birds in the count, a total of 2,394 (91%) birds was counted of. The second highest was waders but a low number of 140 (5.5%) birds was recorded. This has indicated the end of spring migration.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. It indicated the number of waterbird in Deep Bay area in this count nearly double that of the previous year and it was the second highest, the highest count was of 3,324 in June 2001. However, the number of birds in Ramsar Site was the new high number for the same count.

Table.1. June waterbird counts 1999 - 2004

June	1999	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	1,307	3,324	1,879	1,313	2,697	1,902	936
Ramsar Site	999	1,500	967	527	2,092	1,213	535

Note: Count in year 2000 was incomplete due to thunderstorm.



	Deep Bay Area	%	Ramsar Site	%	SW	SI														
Cormorants	2	0.05	1	0.05	0	0														
Ardeids etc	2394	91.01	1904	91.01	36	459														
Ducks, grebes, pelicans	135	2.68	56	2.68	0	0														
Rails, Coot etc	26	0.76	16	0.76	0	3														
Waders	140	5.50	115	5.50	0	3														
Gulls and terns	0	0.00	0	0.00	0	0														
<b>TOTAL</b>	<b>2697</b>		<b>2092</b>		<b>36</b>	<b>465</b>														

Date of count: 20 June 2004

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

Wetland-dependant species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey															0			0	0		1
Black Kite	0	0						2		0	2	0	0	3	0	3	1	4	7		
White-bellied Sea Eag															0			0	0	2	
Pied Kingfisher	1	10						1		0	0	2	2	0	3	5	0	8	19		1
Common Kingfisher	3	3					3	1		1	0	2	4	2	1	10	0	11	20	1	1
White-throated Kingfisher	1	2					1	0	2	0	0	0	0	0	0	0	3	3	6	1	
Black-capped Kingfisher	0	0						0		0	0	0	0	0	0	0	1	1	0		
Red-billed Starling	1	0						0		0	0	0	0	0	0	0	0	0	1		
Collared Crow	0	2						10		0	5	0	0	0	2	15	0	17	19	2	
Crested Serpent Eagle																			0		1
Besra															1	1		1	1		

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**JULY 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2004/05

Summer Count

July 2004

**Summary Report – July 2004**

Y.T. Yu

The July 2004 count was conducted on 18<sup>th</sup>. Coverage of the count completely includes the whole Mai Po Inner Deep Bay Ramsar Site and the Futian National Nature Reserve in Shenzhen.

A total of 3,945 waterbirds were recorded in the Deep Bay area. Of which, a total of 2,237 (57%) waterbirds were present in the Ramsar Site. Ardeids was the largest group of birds in the count, which a total of 3,014 (76%) birds were counted. The second highest was waders and a total of 740 (19%) birds were recorded. The increase of waterbird numbers from the June count is thought to be the recruitment of young ardeids born in this spring and presence of some southward passage shorebirds.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. It indicated the numbers of waterbird in Deep Bay area and the Ramsar Site are the new high numbers since the same count had been begun in 1998. The waterbird number in the whole Deep Bay area has increased by 25% compared to the highest number in July 2003.

Table.1. July waterbird counts 1999 - 2004

June	1999	2000	2002	2003	2004	Average	Std. Dev.
Deep Bay area	1,941	3,020	2,135	3,145	3,945	2,771	746
Ramsar Site	1,273	1,173	2,217	2,133	2,237	1,668	498

Note: Count in year 2001 was incomplete due to thunderstorm.

### Summary of Waterbird Count, July 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	8	18	1					25		9	0	0	12	43	17	29	0	46	133		1
Great Cormorant	0	0						0		0	0	0	0	0	1	0	0	1	1		
Grey Heron	9	0						2		0	2	0	0	0	10	3	0	13	23		
Great Egret	26	8	383		30	2	91	39	2	12	2	5	9	8	290	37	135	462	907		164
Intermediate Egret	0	0						0		0	0	0	0	1	1	0	0	1	2		
Little Egret	45	14	593		79	49	143	74	46	48	16	19	19	17	117	157	275	549	1279		130
Cattle Egret	2	56	1				37	20		2	0	2	2	13	209	24	37	270	344		87
Chinese Pond Heron	30	22	90			3	9	32	6	38	12	24	28	30	18	97	16	131	342		3
Striated Heron	0	0						0		0	1	0	0	0	11	1	0	12	12		
B-c Night Heron	8	6	31					1		4	1	1	2	4	21	5	0	26	79		77
Yellow Bittern	0	0	4					1		0	0	0	0	0	20	1	0	21	25		
Black-faced Spoonbill															1			1	1		
Chinese Spotbill															6			6	6		
White-breasted Waterhen	5	2	4			2	2	1		4	3	1	1	1	11	11	4	26	37		2
Common Moorhen	0	0	14					0		0	0	0	0	0	0	0	0	0	14		
Pheasant-tailed Jacana	1														0			0	1		
Greater Painted Snipe	3														0	2		2	3		
Black-winged Stilt	1		8												67			67	76		
Little Ringed Plover	16	0	4					21	11	0	0	0	0	0	1	21	0	22	53		
Black-tailed Godwit															3			3	3		
Eurasian Curlew															15			15	15		
Common Redshank															412			412	412		
Common Greenshank															133			133	133		
Green Sandpiper	2	1						0		0	0	0	0	0	0	0	0	0	3		
Wood Sandpiper	4	0	9					0		0	0	0	0	0	0	0	0	0	13		
Common Sandpiper	2	0	5					3	1	2	2	2	2	2	2	11	0	13	23		

Grey-tailed Tattler															3			3	3		
Red Knot															2			2	2		
<b>Total</b>	<b>162</b>	<b>127</b>	<b>1147</b>	<b>0</b>	<b>109</b>	<b>56</b>	<b>282</b>	<b>219</b>	<b>66</b>	<b>119</b>	<b>39</b>	<b>54</b>	<b>75</b>	<b>119</b>	<b>1371</b>	<b>399</b>	<b>467</b>	<b>2237</b>	<b>3945</b>	0	464
	<b>Deep Bay Area</b>	<b>%</b>	<b>Ramsar Site</b>	<b>%</b>	<b>SW</b>	<b>SI</b>															
<b>Cormorants</b>	<b>1</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0</b>															
<b>Ardeids etc</b>	<b>3014</b>	<b>76.4</b>	<b>1486</b>	<b>66.4</b>	<b>0</b>	<b>461</b>															
<b>Ducks, grebes, pelicans</b>	<b>139</b>	<b>3.5</b>	<b>52</b>	<b>2.3</b>	<b>0</b>	<b>1</b>															
<b>Rails, Coot etc</b>	<b>51</b>	<b>1.3</b>	<b>26</b>	<b>1.2</b>	<b>0</b>	<b>2</b>															
<b>Waders</b>	<b>740</b>	<b>18.8</b>	<b>672</b>	<b>30.0</b>	<b>0</b>	<b>0</b>															
<b>Gulls and terns</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>															
<b>TOTAL</b>	<b>3945</b>		<b>2237</b>		<b>0</b>	<b>464</b>															

Date of count: 18 July 2004

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

<b>Wetland-dependant species</b>																					
<b>Species</b>	<b>SRA</b>	<b>SRB</b>	<b>DBA</b>	<b>DBB</b>	<b>DBC</b>	<b>DBD</b>	<b>DBE</b>	<b>DBF (TBT)</b>	<b>NW / LFS</b>	<b>TKC</b>	<b>LC</b>	<b>TSW</b>	<b>MPST</b>	<b>ST</b>	<b>MPNR</b>	<b>Ramsar ponds</b>	<b>Ramsar intertidal areas</b>	<b>Ramsar Site</b>	<b>DEEP BAY AREA</b>	<b>Shuen Wan</b>	<b>Starling Inlet</b>
Osprey												1			0			0	1		
Black Kite	0	0						11		1	1	3	1	1	1	16	0	17	19		1
Pied Kingfisher	0	2	4				2	1		1	1	0	0	1	1	2	0	3	13		3
Common Kingfisher	4	6	5				2	2	2	2	3	2	1	5	4	9	2	15	38		5
White-throated Kingfisher	1	2	6				3	3	2	2	1	0	1	2	4	6	2	12	27		2
Black-capped Kingfisher	0	0						0		0	0	0	1	0	0	1	3	4	1		
Red-billed Starling	0	0						0		0	0	0	3	0	0	3	0	3	3		
Collared Crow	2	0	2					14		0	30	1	0	1	0	45	0	45	50		
Bonelli's Eagle																		0	0		3
Black-winged Kite								1										0	1		

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

### **AUGUST 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Summer Count

August 2004

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**Summary Report – August 2004**

Y.T. Yu

The August Waterbird Count took place on the 15<sup>th</sup>. Coverage of the Ramsar Site, the Futian National Nature Reserve, Shenzhen and the whole Deep Bay area were complete.

A total of 4,807 waterbirds were counted, of which 2,420 (50%) were recorded in the Ramsar Site. The largest group comprised of ardeids at 2,833 (59%) and the second largest was migrant waders counted at 1,822 (38%). The increase in waterbird number from the June and July counts was obviously resulted from the arrival of waders from their southward migration.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. It indicates that the waterbird number in Deep Bay area is a new high number of the count in August since 1998. There was a 17% increase compare to the previous high number in August 2001. This number of waterbird in Ramsar Site is also higher than the average.

Table 1. August waterbird counts 2000-2004.

June	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep	3,178	4,124	4,096	3,060	4,807	3,585	755
Bay area							
Ramsar	2,232	2,858	2,463	1,588	2,420	2,381	425
Site							

**Summary of Waterbird Count, August 2004**

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	33	11						39		4			9		8	9	0	17	<b>104</b>		7
Grey Heron	1							1							4	0	0	4	<b>6</b>		
Purple Heron																		0	<b>0</b>		1
Great Egret	7	10	530	12		3	32	33	10	10	11	3	9	3	94	28	47	169	<b>767</b>		229
Intermediate Egret	3															0	0	0	<b>3</b>		3
Little Egret	12	31	820	5		20	150	235	30	60	99	15	18	11	123	200	175	498	<b>1629</b>		77
Cattle Egret	2	18								23	11		63		34	82	0	116	<b>151</b>		26
Chinese Pond Heron	25	22	42					24		22	4	17	32	19	5	71	0	76	<b>212</b>		7
Striated Heron													2		24	2	0	26	<b>26</b>		
B-c Night Heron	1	2	14					10		2	2		2	2	3	4	0	7	<b>38</b>		94
Yellow Bittern													1			1	0	1	<b>1</b>		
White-breasted Waterhen	1	2					8	7			1		4	2	12	6	8	26	<b>37</b>		3
Common Moorhen			8												2	0	0	2	<b>10</b>		
Greater Painted Snipe															0	2		2	<b>0</b>		
Black-winged Stilt			3					10							21			21	<b>34</b>		
Oriental Pratincole															2			2	<b>2</b>		
Pacific Golden Plover															2			2	<b>2</b>		
Little Ringed Plover	36		7					32	1	7			18			25	0	25	<b>101</b>		3
Lesser Sand Plover															13			13	<b>13</b>		
Greater Sand Plover															174			174	<b>174</b>		
Black-tailed Godwit															24			24	<b>24</b>		
Bar-tailed Godwit															1			1	<b>1</b>		
Whimbrel															35			35	<b>35</b>		1
Eurasian Curlew															28			28	<b>28</b>		
Common Redshank								1							530			530	<b>531</b>		



Date of count: 18 July 2004

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

<b>Wetland-dependant species</b>																					
<b>Species</b>	<b>SRA</b>	<b>SRB</b>	<b>DBA</b>	<b>DBB</b>	<b>DBC</b>	<b>DBD</b>	<b>DBE</b>	<b>DBF (TBT)</b>	<b>NW / LFS</b>	<b>TKC</b>	<b>LC</b>	<b>TSW</b>	<b>MPST</b>	<b>ST</b>	<b>MPNR</b>	<b>Ramsar ponds</b>	<b>Ramsar intertidal areas</b>	<b>Ramsar Site</b>	<b>DEEP BAY AREA</b>	<b>Shuen Wan</b>	<b>Starling Inlet</b>
Osprey												1							1		
Black Kite		4						5		1	1	1	7			4		4	19		1
White-bellied Sea Eag								1											1		
Peregrine Falcon															1			1	1		
Pied Kingfisher		2	3					1					4		2			2	12		3
Common Kingfisher	2	9	4					17	1	4	2	1	11	3	1	15		16	55		5
White-throated Kingfisher	1	2	4				5	4		1		1	3	1	2	6		8	24		2
Black-capped Kingfisher															1		5	6	1		
Collared Crow	1	1	1					4			13	3				16		16	23		
Bonelli's Eagle																					3
Black-winged Kite								2											2		

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**SEPTEMBER 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2004/05

Summer Count

September 2004

**Summary Report –September 2004**

Y.T. Yu

The September Waterbird Count was conducted on the 12<sup>th</sup>. Coverage of the Ramsar Site and the whole Deep Bay area were incomplete. Areas of Deep Bay C, D, E and from Lau Fau Shan to Nim Wan were not surveyed. On the contrary, the count in Futian National Nature Reserve at Shenzhen was complete.

A total of 4,916 waterbirds were counted, of which 3,470 (71%) were recorded in the Ramsar Site. The largest group comprised of waders at 2,511 (51%) and the second largest was ardeids counted at 2,269 (46%). The number of waterbird in this month similar to that in August, species composition has some observable changes - an increase in number of migrant waders and the decrease in ardeids. This indicates that more waders arrived while some ardeids left Deep Bay area during the course of September.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. It indicates the waterbird number in Deep Bay area is slightly higher than the average figure, while the number in the Ramsar Site is marginally lower.

Table 1. September waterbird counts 1999-2004.

June	1999	2000	2001	2003	2004	Average*	Std. Dev.*
Deep Bay area	3,499	5,689	4,566	5,032	4,916	4,834	755
Ramsar Site	2,944	3,580	3,087	3,001	3,450	3,470	653

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, September 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	17	7						27		3	0	2	4	27	11	20	0	31	<b>98</b>		4
Great Cormorant	0	0						0		0	0	0	0	1	0	0	0	0	<b>1</b>		
Grey Heron	1	0	5					6		2	0	1	8	0	19	10	2	31	<b>42</b>		
Great Egret	16	12	314	126				171		10	6	6	4	2	68	126	188	382	<b>735</b>	3	98
Intermediate Egret	3	2						0		0	0	0	0	0	0	0	0	0	<b>5</b>		4
Little Egret	14	39	599	25				182		25	18	67	28	19	84	196	94	374	<b>1100</b>	11	70
Cattle Egret	3	2						1		0	5	36	6	6	19	48	0	67	<b>78</b>	22	9
Chinese Pond Heron	10	32	52					18		30	9	19	24	30	20	83	2	105	<b>244</b>	6	6
Striated Heron	0	0	1	1				0		0	0	0	0	0	3	0	1	4	<b>5</b>		
B-c Night Heron	1	1	9					16		3	0	3	3	0	11	21	0	32	<b>47</b>	2	4
Yellow Bittern	1	1	1					3		0	0	0	1	4	1	3	0	4	<b>12</b>		3
Black-faced Spoonbill															1			1	<b>1</b>		
Common Teal	0	0						0		0	0	0	0	0	1	0	0	1	<b>1</b>		
Burmese Spotbill															5			5	<b>5</b>		
Northern Shoveler				1											0		1	1	<b>1</b>		
White-breasted Waterhen	6	0						5		1	0	1	0	5	4	6	0	10	<b>22</b>		1
Watercock								1							0	1		1	<b>1</b>		
Common Moorhen	0	1	2					0		3	0	0	0	0	0	3	0	3	<b>6</b>		
Black-winged Stilt								38				2			89	38	1	128	<b>129</b>		
Pacific Golden Plover															42			42	<b>42</b>		
Grey Plover															10			10	<b>10</b>		
Little Ringed Plover	0	0						18		0	0	0	0	0	0	18	0	18	<b>18</b>		
Lesser Sand Plover															6			6	<b>6</b>		
Black-tailed Godwit															128			128	<b>128</b>		
Whimbrel				8											4		8	12	<b>12</b>		
Eurasian Curlew															40			40	<b>40</b>		

Spotted Redshank															8			8	8		
Common Redshank			1					25							330	25		355	356		1
Marsh Sandpiper								17							345	17		362	362		
Common Greenshank			1												1127			1127	1128		
Green Sandpiper	3	2						2		0	0	8	0	1	0	5	0	5	16		1
Wood Sandpiper	6	1	67					26		1	0	0	0	0	7	21	6	34	108		
Common Sandpiper	4	7	3					30		0	1	14	1	3	15	42	2	59	78	1	3
Common Snipe			1					3							0	2		2	4		
Asian Dowitcher															7			7	7		
Red Knot															5			5	5		
Great Knot															6			6	6		
Red-necked Stint				12				6							0	6	12	18	18		
Long-toed Stint			5												0			0	5		
Sharp-tailed Sandpiper															1			1	1		
Curlew Sandpiper															24			24	24		
Gull-billed Tern				1											0		1	1	1		
<b>Total</b>	<b>85</b>	<b>107</b>	<b>1061</b>	<b>174</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>595</b>	<b>0</b>	<b>78</b>	<b>39</b>	<b>159</b>	<b>79</b>	<b>98</b>	<b>2441</b>	<b>691</b>	<b>318</b>	<b>3450</b>	<b>4916</b>	<b>45</b>	<b>204</b>
	<b>Deep Bay Area</b>	<b>%</b>	<b>Ram sar Site</b>	<b>%</b>	<b>SW</b>	<b>SI</b>															
<b>Cormorants</b>	<b>1</b>	<b>0.02</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>															
<b>Ardeids etc</b>	<b>2269</b>	<b>46.16</b>	<b>1000</b>	<b>28.99</b>	<b>44</b>	<b>194</b>															
<b>Ducks, grebes, pelicans</b>	<b>105</b>	<b>2.14</b>	<b>38</b>	<b>1.10</b>	<b>0</b>	<b>4</b>															
<b>Rails, Coot etc</b>	<b>29</b>	<b>0.59</b>	<b>14</b>	<b>0.41</b>	<b>0</b>	<b>1</b>															
<b>Waders</b>	<b>2511</b>	<b>51.08</b>	<b>2397</b>	<b>69.48</b>	<b>1</b>	<b>5</b>															
<b>Gulls and terns</b>	<b>1</b>	<b>0.02</b>	<b>1</b>	<b>0.03</b>	<b>0</b>	<b>0</b>															
<b>TOTAL</b>	<b>4916</b>		<b>3450</b>		<b>45</b>	<b>204</b>															

Date of count: 12 Sep 2004

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

<b>Wetland-dependant species</b>																						
<b>Species</b>	<b>SRA</b>	<b>SRB</b>	<b>DBA</b>	<b>DBB</b>	<b>DBC</b>	<b>DBD</b>	<b>DBE</b>	<b>DBF (TBT)</b>	<b>NW / LFS</b>	<b>TKC</b>	<b>LC</b>	<b>TSW</b>	<b>MPST</b>	<b>ST</b>	<b>MPNR</b>	<b>Ramsar ponds</b>	<b>Ramsar intertidal areas</b>	<b>Ramsar Site</b>	<b>DEEP BAY AREA</b>	<b>Shuen Wan</b>	<b>Starling Inlet</b>	
Osprey				1											0			0	1			
Black Kite	0	0						1		0	3	2	5	1	2	11	1	14	14	3		
Peregrine Falcon															0			0	0	1		
Pied Kingfisher	0	1	1					4		0	1	0	0	0	4	3	2	9	11		1	
Common Kingfisher	6	8	2					13		2	2	8	3	10	4	25	0	29	58	1	4	
White-throated Kingfisher	1	2	6					7		1	1	2	1	4	5	9	0	14	30	1	4	
Black-capped Kingfisher	0	0						0		0	0	0	0	1	0	0	0	0	1			
Red-billed Starling	0	0						1		0	0	0	0	0	0	0	0	0	1			
Collared Crow	0	0						0		0	5	5	0	1	0	8	0	8	11			

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**OCTOBER 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Winter Count

October 2004

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**Summary Report – October 2004**

Y.T. Yu

The October 2004 waterbird count took place on the 10<sup>th</sup>. The count covered all areas in the Ramsar Site and the Deep Bay area, including Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

A total of 7,052 waterbirds was recorded in the Deep Bay area, of which 5,146 were present in Ramsar Site. The largest group comprised the ardeids (3,047 in Deep Bay area) and the second is the waders (2,859 in Deep Bay). The low number of ducks (714 in Deep Bay) indicated that most of the wintering ducks have not yet arrived Mai Po and Deep Bay in the first half of October.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count in Deep Bay area is lower than the average figure, while the number in Ramsar Site is slightly lower than the average figure.

Table 1. October waterbird counts 2000-2004.

October	2000	2001	2002	2003	2004	Average*	Std. Dev.*
Deep Bay area	13,097	7,559	8,449	5,381	7,052	7,726	2,603
Ramsar Site	6,048	5,113	8,183	3,119	5,146	5,255	1,850

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, October 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	19	10						66		7	1	5	8	18	23	46	0	69	157		6
Great Cormorant	0	92	13					26		0	0	1	25	0	175	31	21	227	332		3
Grey Heron	20	14	66	3	2	8	13	51	5	13	10	13	9	14	180	43	36	259	421		45
Purple Heron															1			1	1		
Great Egret	4	43	493	29	8	23	20	138	25	9	1	3	2	17	69	92	127	288	884	19	188
Intermediate Egret	3	0						26		1	0	0	0	0	4	27	0	31	34	1	3
Little Egret	3	63	256	2	16	12	40	515	43	55	64	90	10	25	77	602	83	762	1271	8	93
Cattle Egret	0	24						10		0	42	1	19	0	8	71	0	79	104	31	10
Chinese Pond Heron	20	18	42	3	1	2	9	25	2	41	14	21	23	25	28	90	19	137	274	8	2
Striated Heron	0	0						1		0	0	0	0	0	3	1	0	4	4		
B-c Night Heron	0	17	10	1				5		6	0	1	1	0	8	6	1	15	49	3	30
Yellow Bittern	1	0						2		0	0	1	0	0	0	3	0	3	4		
Black-faced Spoonbill				1											0		1	1	1		
Eurasian Wigeon	0	0						0		0	0	0	0	0	4	0	0	4	4		
Common Teal	12	30		165				0		0	0	0	0	0	10	12	165	187	217		6
Northern Pintail				32											0		32	32	32		
Garganey				34											19		34	53	53		
Northern Shoveler			22	229											0		229	229	251		
Ruddy Crake								1							0	1		1	1		
White-breasted Waterhen	3	9	1	2			3	6	2	5	0	3	4	2	8	17	5	30	48	3	2
Common Moorhen	8	2	1					3		9	0	0	0	3	23	11	0	34	49		
Pheasant-tailed Jacana	1														0			0	1		
Black-winged Stilt			21					27			4			10	19	22	9	50	81		
Pacific Golden Plover				46											1		46	47	47		
Grey Plover			2	6											0		6	6	8		





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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**NOVEMBER 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2004/05

Winter Count

November 2004

**Summary Report – November 2004**

Y.T. Yu

The November 2004 waterbird count was scheduled on the 14<sup>th</sup>. The count covered all areas in the Ramsar Site and the Deep Bay area, including Futian National Nature Reserve, Shenzhen Special Economic Zone, China. Starting from November, we have also included survey result of the Hong Kong Wetland Park at Tin Shui Wai by AFCD to this Waterbird Monitoring Programme.

A total of 24,991 waterbirds were recorded in the Deep Bay area, of which 18,197 (73%) were counted in Ramsar Site. The largest group comprised ducks, grebes and pelicans (7,205 in Deep Bay area, 29%) and the second group is waders (6,033 in Deep Bay, 24%). The number of the group “ducks, grebes and pelicans” (7,205) is similar to that of the previous year (2003: 7,242). The number of waders is about 40% more compare to that of the previous year (2003: 4,296).

A comparison with previous years’ counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count in Deep Bay area is higher than the figure in 2003 but still lower than the average figure, while the number in Ramsar Site is still slightly lower than the average figure.

Table 1. November waterbird counts 2000-2004.

October	2000	2001	2002	2003	2004	Average*	Std. Dev.*
Deep Bay area	29,553	24,601	34,488	21,303	24,991	27,554	4,368
Ramsar Site	17,411	17,380	25,765	18,061	18,197	19,802	3,051

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, November 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	15	39	2					33		7	36	0	10	4	14	18	47	2	67	<b>178</b>		7
Great Cormorant	84	180	620		48	150	15	152		1	0	0	14	324	20	1392	447	233	2072	<b>3000</b>	4	58
Grey Heron	104	49	170	4	70	27	38	67	7	6	3	3	11	27	18	554	67	148	769	<b>1158</b>		40
Purple Heron																2			2	<b>2</b>		
Great Egret	43	15	743	131	200	103	450	70	32	7	2	0	9	4	38	211	42	900	1153	<b>2058</b>	132	250
Intermediate Egret	3	0						0		2	1	0	1	0	0	5	2	0	7	<b>12</b>		1
Little Egret	9	55	1621	162	50	127	75	220	24	6	9	6	240	17	45	99	441	428	968	<b>2765</b>	12	83
Cattle Egret	0	5						32			0	0	0	57	0	2	88	0	90	<b>96</b>		10
Chinese Pond Heron	17	19	92	4				9	4	9	15	0	9	13	28	21	35	4	60	<b>240</b>	8	12
Striated Heron	0	0						0			0	0	0	0	0	1	0	0	1	<b>1</b>		
B-c Night Heron	0	1	10					0		1	0	0	0	14	0	5	14	0	19	<b>31</b>	3	6
Eurasian Spoonbill			1													0			0	<b>1</b>		
Black-faced Spoonbill	5		19													141			141	<b>165</b>		
Eurasian Wigeon	13	16	274		40		3	0			0	0	0	0	0	295	0	43	338	<b>641</b>		
Common Teal	34	14						100			1	4	0	0	0	75	17	65	157	<b>228</b>		48
Chinese Spotbill																6			6	<b>6</b>		
Northern Pintail		8		400	150		40									329		590	919	<b>927</b>		
Garganey	2															39			39	<b>41</b>		
Northern Shoveler	1	2	820	1000	370		270	80								57		1720	1777	<b>2600</b>		
Tufted Duck		3														1			1	<b>4</b>		
Duck sp.				600	410	1200	370									0		2580	2580	<b>2580</b>		
White-breasted Waterhen	0	2	4					4			1	0	0	2	0	1	4	0	5	<b>14</b>	1	
Common Moorhen	20	44	12					10		1	15	0	0	5	3	27	28	0	55	<b>137</b>		2
Eurasian Coot	1															5			5	<b>6</b>		
Pheasant-tailed Jacana	1															0			0	<b>1</b>		





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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**DECEMBER 2004**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2004/05

Winter Count

December 2004

**Summary Report – December 2004**

Y.T. Yu

The December 2004 waterbird count was scheduled on the 12<sup>th</sup>. The count covered all areas in the Ramsar Site and the Deep Bay area, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

A total of 42,329 waterbirds were recorded in the Deep Bay area, of which 33,770 (80%) were counted in Ramsar Site. The largest group comprised ducks, grebes and pelicans (11,418 in Deep Bay area, 27%) and the second group was gulls and terns (9,346 in Deep Bay, 22%). The total number of waterbirds in the Deep Bay has increased by 13% compared to the figure (37,578) of December 2003. One reason for the high number recorded was high counts of waterbirds including Cormorants (2004: 6,462; 2003: 4,103), Ardeids (2004: 6,425; 2003: 3,693) and waders (2004: 8,555; 2003: 4,743) were recorded. Notwithstanding that high counts of 825 Great Egrets and 1,555 Little Egrets were recorded at Futian which boosted up the number of Ardeids. However, the number of the group “ducks, grebes and pelicans” was decreased by 30% compared to that of December 2003 (2004: 11,418; 2003: 16,219).

A comparison of previous years’ counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count in Deep Bay area is still slightly lower than the average, while the number in Ramsar Site is marginally higher than the average figure.

Table 1. December waterbird counts 2000-2004.

October	2000	2001	2002	2003	2004	Average*	Std. Dev.*
Deep Bay area	53,137	38,457	39,036	37,578	42,329	43,239	6,348
Ramsar Site	36,750	25,129	26,580	31,753	33,770	31,254	5,852

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, December 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	23	19	1					42		4	28	0	17	5	21	29	57	0	86	<b>189</b>	6	6
Great Crested Grebe			10			8										0			0	<b>18</b>		
Great Cormorant	397	265	182	84**	2580*	2212*	138**	219	500	2	18	0	10	287	38	4544	454	0	4998	<b>6462</b>		8
Grey Heron	94	30	33	62	1	29	105	118	15	8	5	3	2	10	5	298	106	197	601	<b>818</b>		60
Great Egret	53	47	825	190	53	51	164	238	40	4	9	1	4	5	6	251	213	458	922	<b>1941</b>	82	170
Intermediate Egret	4	0		1				2			1	0	0	1	0	8	4	1	13	<b>17</b>	1	2
Little Egret	28	57	1555	110	65	42	426	467	50	3	20	7	247	14	17	104	723	643	1470	<b>3212</b>	6	82
Cattle Egret	0	1						18			0	4	0	6	2	1	16	0	17	<b>32</b>		1
Chinese Pond Heron	10	20	89	3		6	8	28		3	33	3	2	25	10	10	84	17	111	<b>250</b>	8	12
B-c Night Heron	0	0					1	0		9	0	0	0	6	0	0	6	1	7	<b>16</b>	3	7
Eurasian Spoonbill																1			1	<b>1</b>		
Black-faced Spoonbill	8						14	5		1						110	4	14	128	<b>138</b>		
Eurasian Wigeon	120	142	281			1780	3	22		10	67	0	1	0	0	318	23	1783	2124	<b>2744</b>		
Falcatad Duck		5														0			0	<b>5</b>		
Gadwall																7			7	<b>7</b>		
Common Teal	61	10	3		540	6	141	50			8	0	0	0	0	193	50	687	930	<b>1012</b>		
Chinese Spotbill																13			13	<b>13</b>		
Northern Pintail	3	20			540	780	512			5						194		1832	2026	<b>2054</b>		
Garganey	4															28			28	<b>32</b>		
Northern Shoveler	1	2	800		1620		155	63		4						304		1775	2079	<b>2949</b>		
Common Pochard		1														0			0	<b>1</b>		
Tufted Duck		85	60		7											0		7	7	<b>152</b>		
Greater Scaup		1														0			0	<b>1</b>		
Red-breasted Merganser						1										0		1	1	<b>1</b>		
Duck sp.				2240												0		2240	2240	<b>2240</b>		
Slaty-breasted Rail				1												0		1	1	<b>1</b>		





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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**JANUARY 2005**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Winter Count

January 2005

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**Summary Report – January 2005**

Y.T. Yu

The January 2005 waterbird count took place on 16<sup>th</sup> and the coverage of both Ramsar site and Deep Bay area was complete, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

The waterbird number counted in the Deep Bay area including Futian was in total of 54,454 individuals, of which 34,623 (63.6%) were recorded in the Ramsar site. This total number is nearly doubled the unusual low figure of 27,927 birds recorded in January 2004. Also, this figure appeared to fall between the range of 50,000 to 55,000 waterbirds in 1999 to 2003 winters again.

The largest group of waterbirds was ducks, grebes and pelicans constituting 22,521 (41.4%) birds from the total number. A total of 13,613 ducks were recorded at Futian, which is notwithstanding. The second largest group was Cormorant, 9,552 were counted at night roosting sites in the Mai Po Nature Reserve and at Nam Sang Wai. This figure is also a new peak number in Hong Kong. However, number of Gulls and Terns was only 7,895 birds which is the lowest since 1982.

A comparison with previous years' counts and the average for the month is provided in Table 1. The number of waterbirds in the whole Deep Bay area is higher than the average figure, this is an encouraging result. However, the number in the Ramsar site is lower than the average, this indicates that more birds preferred utilizing areas outside the Ramsar site boundary in Hong Kong.

Table 1. January waterbird counts 1999-2004.

January	2000	2001	2002	2003	2004	2005	Average	Std. Dev.
Deep Bay area	54,512	55,477	51,333	53,795	27,927	54,454	50,494	9,294
Ramsar Site	52,959	36,742	36,429	40,272	23,915	34,623	38,926	9,379

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, January 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	22	32	1					61		9	23	0	0	6	15	39	40	0	79	<b>208</b>	9	4
Great Crested Grebe			2													0			0	<b>2</b>		
Great Cormorant %													3030			6522			6522	<b>9552</b>		87
Dalmatian Pelican #					14											0		14	14	<b>14</b>		
Grey Heron	106	44	124	40	12		181	249	3	4	9	6	17	26	8	373	94	387	854	<b>1202</b>		94
Great Egret	36	53	369	180	55	48	140	173	52	51	2	1	4	35	16	350	76	540	966	<b>1565</b>	22	295
Intermediate Egret	2	0		2				0			0	0	0	0	0	9	0	2	11	<b>13</b>		2
Little Egret	50	36	458	59	45	160	193	300	145	97	56	12	38	62	44	391	229	534	1154	<b>2146</b>	4	84
Cattle Egret	1	8					8	7			0	2	0	3	41	1	13	8	22	<b>71</b>		5
Chinese Pond Heron	8	44	63	5			7	11	4		12	2	13	14	21	14	39	12	65	<b>218</b>	8	5
Striated Heron	0	0						0			0	0	0	0	0	3	0	0	3	<b>3</b>		
B-c Night Heron	0	0					1	0			0	0	0	4	0	0	4	1	5	<b>5</b>	1	2
Eurasian Spoonbill							1									1		1	2	<b>2</b>		
Black-faced Spoonbill#	39						99				26					147		99	246	<b>311</b>		
Common Shelduck				9												0		9	9	<b>9</b>		
Eurasian Wigeon	157	123	1447			515	209	3	22	21	31	0	0	2	0	576	6	724	1306	<b>3106</b>		
Falcated Duck		4														0			0	<b>4</b>		
Gadwall		1														4			4	<b>5</b>		
Common Teal	30	60	1818			2	392	99		97	4	0	8	3	0	510	3	493	1006	<b>3023</b>		11
Chinese Spotbill																2			2	<b>2</b>		
Northern Pintail	12	6	1578		70	163	74			5						48		307	355	<b>1956</b>		
Garganey										15						6			6	<b>21</b>		
Northern Shoveler	11	2	8770		300	45	78			24						473	1	675	1149	<b>9703</b>		
Common Pochard		1														0			0	<b>1</b>		
Tufted Duck	15	11				1625										16		1625	1641	<b>1667</b>		

Duck sp.				2500			300								0		2800	2800	<b>2800</b>			
Slaty-breasted Rail				1											0		1	1	<b>1</b>			
White-breasted Waterhen	2	6	6				1		3	0	0	3	1	1	6	0	7	<b>23</b>	2	2		
Common Moorhen	21	62	26				6	17			20	0	3	5	7	45	21	6	72	<b>212</b>		3
Eurasian Coot	2	5									1					46			46	<b>54</b>		
Black-winged Stilt	12		28													0	16	16	<b>40</b>			
Pied Avocet #				3920												0	3920	3920	<b>3920</b>			
Northern Lapwing																4		4	<b>4</b>			
Pacific Golden Plover				57												0	57	57	<b>57</b>			
Grey Plover				146												0	146	146	<b>146</b>		6	
Little Ringed Plover	3	26	26				6	2		18	0	10	0	0	0	34	0	34	<b>91</b>	2	5	
Black-tailed Godwit #%																491		491	<b>491</b>			
Eurasian Curlew #				892												0	892	892	<b>892</b>			
Spotted Redshank #																640		640	<b>640</b>			
Common Redshank #																40		40	<b>40</b>			
Marsh Sandpiper				870												0	870	870	<b>870</b>			
Common Greenshank			42				1									0	1	1	<b>43</b>			
Green Sandpiper	4	18					14			6	1	4	0	1	1	21	0	22	<b>49</b>		1	
Wood Sandpiper	5	13					3			1	3	2	0	2	0	13	0	13	<b>29</b>			
Common Sandpiper	3	7	4				18		1	5	11	2	2	3	1	36	0	37	<b>57</b>	2	4	
Pintail/Swinhoe's Snipe		1							3							0		0	<b>4</b>			
Great Knot				2												0	2	2	<b>2</b>			
Temminck's Stint		4														0		0	<b>4</b>			
Ruff #																1		1	<b>1</b>			
Small wader sp. (Kentish Plover/Dunlin)				100												0	100	100	<b>100</b>		79	
Wader sp. (Tringa spp)				380			800									0	1180	1180	<b>1180</b>			
Large Gull spp.				154												0	154	154	<b>154</b>			
Black-headed Gull	0	0	12	7500			92	70		3	43	3	0	0	0	48	7590	7638	<b>7723</b>		2	
Saunders's Gull				10												0	10	10	<b>10</b>			
Caspian Tern #				8												0	8	8	<b>8</b>			

<b>Total</b>	<b>541</b>	<b>567</b>	<b>1477</b>	<b>1683</b>	<b>496</b>	<b>2558</b>	<b>2490</b>	<b>1054</b>	<b>298</b>	<b>328</b>	<b>219</b>	<b>81</b>	<b>3134</b>	<b>165</b>	<b>159</b>	<b>10755</b>	<b>684</b>	<b>23184</b>	<b>34623</b>	<b>54454</b>	<b>50</b>	<b>709</b>
	<b>Deep Bay Area</b>	<b>%</b>	<b>Ram sar Site</b>	<b>%</b>	<b>SW</b>	<b>SI</b>																
<b>Cormorants</b>	<b>9552</b>	<b>17.5</b>	<b>6522</b>	<b>18.8</b>	<b>0</b>	<b>87</b>																
<b>Ardeids etc</b>	<b>5536</b>	<b>10.2</b>	<b>3328</b>	<b>9.6</b>	<b>35</b>	<b>487</b>																
<b>Ducks, grebes, pelicans</b>	<b>22521</b>	<b>41.4</b>	<b>8371</b>	<b>24.2</b>	<b>9</b>	<b>15</b>																
<b>Rails, Coot etc</b>	<b>290</b>	<b>0.5</b>	<b>126</b>	<b>0.4</b>	<b>2</b>	<b>5</b>																
<b>Waders</b>	<b>8660</b>	<b>15.9</b>	<b>8466</b>	<b>24.5</b>	<b>4</b>	<b>113</b>																
<b>Gulls and terns</b>	<b>7895</b>	<b>14.5</b>	<b>7810</b>	<b>22.6</b>	<b>0</b>	<b>2</b>																
<b>TOTAL</b>	<b>54454</b>		<b>34623</b>		<b>50</b>	<b>709</b>																

Date of count: 16 Jan 2004

n/c = site not counted High tide measured at TBT:

# indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

**Wetland-dependant species**

<b>Species</b>	<b>SRA</b>	<b>SRB</b>	<b>DBA</b>	<b>DBB</b>	<b>DBC</b>	<b>DBD</b>	<b>DBE</b>	<b>DBF (TBT)</b>	<b>NW / LFS</b>	<b>WEP</b>	<b>TKC</b>	<b>LC</b>	<b>TSW</b>	<b>MPST</b>	<b>ST</b>	<b>MPNR</b>	<b>Ramsar ponds</b>	<b>Ramsar intertidal areas</b>	<b>Ramsar Site</b>	<b>DEEP BAY AREA</b>	<b>Shuen Wan</b>	<b>Starling Inlet</b>
Osprey			1	4							2	1			0	3	4	7	8			1
Black Kite	13	14		5			2	15			11	5	13	0	22	0	51	4	55	100	3	
White-bellied Sea Eag																0			0	0	1	
Eastern Marsh Harrier	1			1												0			0	2		
Common Buzzard	1		1										1			0	1		1	3	2	
Greater Spotted Eagle	0	0						0			0	0	0	0	0	1	0	0	1	1		
Imperial Eagle	1	0						0			0	0	0	0	0	0	0	0	0	1		
Bonelli's Eagle		1														0			0	1		
Peregrine Falcon	1															0			0	1	1	
Pied Kingfisher	0	1	2					6	1	1	0	0	0	0	0	0	3	0	3	11		1
Common Kingfisher	0	13	1				2	8	2		15	0	5	0	3	0	21	0	21	49		6
White-throated Kingfisher	1	4	5	2			3	5	2		0	1	1	2	1	4	8	2	14	31		3
Black-capped Kingfisher	0	0		5				1			0	0	0	1	0	0	2	5	7	7		3
Red-billed Starling	39	46	10				6	192			54	556	0	0	350	0	652	5	657	1253	250	10
Collared Crow	0	1	1					2			3	15	0	0	0	0	18	6	24	22	2	

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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**FEBRUARY 2005**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Winter Count

February 2005

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**Summary Report – February 2005**

Y.T. Yu

The February 2005 waterbird count took place on 13<sup>th</sup> and the coverage of the whole Deep Bay and the Ramsar site was complete, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

A total of 41,722 waterbirds were counted in the Deep Bay area including Futian, of which 30,754 (74%) individuals were recorded in the Ramsar site. The count result of February is the highest since 2001, there was an increased of 63% and 121% in the whole Deep Bay and in the Ramsar site respectively, compared to the unusual low numbers in February 2004. The largest group waterbirds comprised of ducks, grebes and pelican constituting 16,367 (39%) of birds recorded in the area, of which 8,120 ducks at Futian. The second largest group was waders, 9,790 individuals (23.5%) were recorded. The third group was gulls and terns of similar number at 9,243 birds (22.2%).

A comparison with previous years' counts and the average for the month is provided in Table 1. Both numbers of waterbirds in the Deep Bay and the Ramsar site were the highest numbers since 2001 and also marginally higher than the average figures.

Table 1. February waterbird counts 2000-2005.

February	2000	2001	2002	2003	2004	2005	Average	Std. Dev.
Deep Bay area	46,508	35,477	30,780	38,491	25,466	41,722	40,002	9,867
Ramsar Site	45,700	24,127	23,753	26,237	13,892	30,754	30,560	12,719

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, February 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	26	37	10					48		1	15	0	0	2	74	42	39	0	81	<b>255</b>		
Great Crested Grebe			15	7		46	18									0		71	71	<b>86</b>		
Great Cormorant	151	321	100					192		25	2	2	8	222	45	1346	293	2	1641	<b>2414</b>		
Dalmatian Pelican				15												0		15	15	<b>15</b>		
Grey Heron	148	37	40	5	31	1	218	65		25	3	17	4	11	8	142	56	263	461	<b>755</b>		
Purple Heron																2			2	<b>2</b>		
Great Egret	27	19	90	56	32	18	54	140	12	1	11	1	3	24	12	145	128	173	446	<b>645</b>		
Intermediate Egret	7	0		5				0		1	0	0	0	0	0	7	0	5	12	<b>20</b>		
Little Egret	17	15	210	110	189	8	149	159	23	9	26	14	84	212	37	241	373	472	1086	<b>1503</b>		
Cattle Egret	0	0						1			1	6	23	8	0	9	39	0	48	<b>48</b>		
Chinese Pond Heron	9	35	50	3		2	1	15	3		43	6	16	6	12	14	66	12	92	<b>215</b>		
Eurasian Spoonbill	1															0			0	<b>1</b>		
Black-faced Spoonbill	29		28	1			53	3							1	204		54	258	<b>319</b>		
Common Shelduck				62		5	1									0		68	68	<b>68</b>		
Eurasian Wigeon	19	10	820	455	8	208	28	0		9	19	0	0	0	0	369	0	699	1068	<b>1945</b>		
Falcated Duck		3														0			0	<b>3</b>		
Baikal Teal																1			1	<b>1</b>		
Common Teal	67	18	300	610	8	2	66	0		12	0	0	6	0	0	440	0	686	1126	<b>1529</b>		
Mallard	2															0			0	<b>2</b>		
Spot-billed Duck																4			4	<b>4</b>		
Chinese Spotbill	9															0			0	<b>9</b>		
Northern Pintail	5	1	400	2820	8	80				3						15		2908	2923	<b>3332</b>		
Garganey	7									17						45			45	<b>69</b>		
Northern Shoveler	8		6600	2326		1	2			5						75		2329	2404	<b>9017</b>		
Common Pochard		2														0			0	<b>2</b>		

Tufted Duck	17	13														0			0	<b>30</b>		
Slaty-breasted Rail#				1												0		1	1	<b>1</b>		
White-breasted Waterhen	0	4	39	1		2		1			2	0	0	0	1	3	1	3	7	<b>53</b>		
Eurasian Coot	1	3				115		1								25			25	<b>145</b>		
Black-winged Stilt	1		21					1								2			2	<b>25</b>		
Pied Avocet			10	4480												0		4480	4480	<b>4490</b>		
Northern Lapwing																3			3	<b>3</b>		
Grey Plover#				565												0		565	565	<b>565</b>		
Little Ringed Plover	9	14	20					79	1	13	1	1	10	0	0	26	91	0	117	<b>174</b>		
Black-tailed Godwit				360												0		360	360	<b>360</b>		
Whimbrel				1												0		1	1	<b>1</b>		
Eurasian Curlew			10	1282												0		1282	1282	<b>1292</b>		
Spotted Redshank				1100												11		1100	1111	<b>1111</b>		
Marsh Sandpiper				722												1		722	723	<b>723</b>		
Common Greenshank			90	380												4		380	384	<b>474</b>		
Green Sandpiper	2	7						1		1	2	9	7	0	0	5	15	0	20	<b>34</b>		
Wood Sandpiper	5	11	20					0		1	0	1	2	0	0	8	3	0	11	<b>48</b>		
Common Sandpiper	7	8	24			2		5	1	1	3	8	9	0	1	1	27	2	30	<b>70</b>		
Common Snipe		2														0			0	<b>2</b>		
Red Knot				4												0		4	4	<b>4</b>		
Great Knot				16												0		16	16	<b>16</b>		
Temminck's Stint	2							12								0			0	<b>14</b>		
Small wader spp.				400												0		400	400	<b>400</b>		
Black-tailed Gull#				2												0		2	2	<b>2</b>		
Heuglin's Gull#				202												0		202	202	<b>202</b>		
Yellow-legged Gull#				3												0		3	3	<b>3</b>		
Black-headed Gull	0	0		8890				50			0	19	26	0	0	0	95	8890	8985	<b>8985</b>		
Saunders's Gull#				48												0		48	48	<b>48</b>		
Caspian Tern				3												0		3	3	<b>3</b>		
<b>Total</b>	<b>585</b>	<b>602</b>	<b>8897</b>	<b>24935</b>	<b>276</b>	<b>490</b>	<b>590</b>	<b>784</b>	<b>40</b>	<b>125</b>	<b>137</b>	<b>84</b>	<b>198</b>	<b>487</b>	<b>193</b>	<b>3299</b>	<b>1234</b>	<b>26221</b>	<b>30754</b>	<b>41722</b>	0	0



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# **Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site**

## **Summary Report**

**MARCH 2005**



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

**WATERBIRD MONITORING PROGRAMME AT THE  
MAI PO INNER DEEP BAY RAMSAR SITE**

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Programme 2004/05

Winter Count

March 2005

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**Summary Report – March 2005**

Y.T. Yu

The March 2005 waterbird count took place on 13<sup>th</sup> and the coverage was complete for Deep Bay and the Ramsar site areas, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

The number of waterbirds in the whole Deep Bay area was counted at 30,259 individuals, of which 15,391 (51%) were counted in the Ramsar site. Both of these figures were more than twice those of last year (Table 1). The largest waterbird group recorded in the count was waders at 8,869 birds (29.3%), and the second largest group was ducks, grebes and pelican, of which 8,614 (28.5%) were counted, slightly lower than that of the largest group. It clearly showed that some wintering waterbirds have already left Deep Bay for their northward migration.

A comparison with previous years' counts and the average for the month is provided in Table 1. The number of waterbirds in the whole Deep Bay area is the highest for March since the commencement of this monitoring programme in 1998, while the number in Ramsar site was higher than the average figure.

Table 1. March waterbird counts 2000-2005.

March	2000	2001	2002	2003	2004	2005	Average	Std. Dev.
Deep Bay area	29,835	22,796	13,957	16,364	12,400	30,259	19,485	7,510
Ramsar Site	27,056	18,347	12,383	6,609	6,831	15,391	13,680	7,335

\* Figures of average and the SD are calculated from the count since 1998 to the latest count.

### Summary of Waterbird Count, March 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	24	24	2					45		1	14	0	0	3	26	31	33	2	66	170		4
Great Crested Grebe			188		10		30		1							0		40	40	229		
Great Cormorant	106	323	750					264		24	27	0	2	421	45	2291	548	0	2839	4253	5	179
Dalmatian Pelican				15												0		15	15	15		
Grey Heron	60	9	35	6	34	6	85	69	1	19	1	3	1	11	3	181	52	136	369	524	12	24
Purple Heron																0			0	0		
Great Egret	63	9	118	18	7	5	35	38	4	2	9	0	28	139	34	88	184	67	339	597	16	185
Intermediate Egret	3	0						0		2	7	0	0	0	0	2	3	0	5	14		2
Little Egret	27	27	483	70	2	11	126	153	47	6	36	45	31	119	18	225	276	244	745	1426	14	60
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						34			10	0	10	10	0	0	54	0	54	64		4
Chinese Pond Heron	7	14	34	6			1	6	2	1	19	7	3	18	9	21	49	7	77	148	8	5
Striated Heron	0	0						0			1	0	0	0	0	0	1	0	1	1		
B-c Night Heron	0	0						1			0	0	0	3	0	1	4	0	5	5	2	57
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill	18		5				65							2		79	2	65	146	169		
Common Shelduck																0			0	0		
Eurasian Wigeon	22	2	590			26	17	3	2		5	0	0	0	0	113	0	46	159	780		
Falcatad Duck																0			0	0		
Gadwall																6			6	6		

Baikal Teal															0			0	0		
Common Teal	37	3	372	210			6	43		5	2	0	0	6	0	325	0	259	584	1009	31
Mallard																0			0	0	
Spot-billed Duck																2			2	2	
Chinese Spotbill	2															0			0	2	
Burmese Spotbill																2			2	2	
Northern Pintail			153													12			12	165	
Garganey	5		2							17						71			71	95	
Northern Shoveler	2		4805							2						31			31	4840	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck	1	15	808													5			5	829	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.				470												0	470	470	470	470	
Slaty-breasted Rail																1			1	1	
Water Rail																0			0	0	
White-breasted Waterhen	1	0	4					0		1	0	1	0	0	4	2	0	6	11	2	1
Watercock																0			0	0	
Common Moorhen	7	21	48					11		4	9	0	0	2	5	108	13	0	121	215	2
Eurasian Coot			141													8			8	149	
Pheasant-tailed Jacana																0			0	0	
Greater Painted Snipe																0			0	0	
Black-winged Stilt	4		43													0			0	47	
Pied Avocet			4301													0			0	4301	
Oriental Pratincole																0			0	0	
Northern Lapwing																0			0	0	
Grey-headed Lapwing																0			0	0	
Pacific Golden Plover																0			0	0	
Grey Plover				370												0	370	370	370	370	2

Common Ringed Plover															0			0	<b>0</b>			
Little Ringed Plover	28	6	7					69	1	8	12	0	3	10	73	0	113	0	113	<b>217</b>		7
Kentish Plover																0			0	<b>0</b>		
Lesser Sand Plover																0			0	<b>0</b>		
Greater Sand Plover																0			0	<b>0</b>		
Black-tailed Godwit				270												0		270	270	<b>270</b>		
Bar-tailed Godwit																0			0	<b>0</b>		
Whimbrel				1												0		1	1	<b>1</b>		
Eurasian Curlew				450												0		450	450	<b>450</b>		
Far Eastern Curlew																0			0	<b>0</b>		
Spotted Redshank			173	570												19		570	589	<b>762</b>		
Common Redshank				140												0		140	140	<b>140</b>		
Marsh Sandpiper			30	1550												9		1550	1559	<b>1589</b>		
Common Greenshank			71	440												4		440	444	<b>515</b>		
Nordmann's Greenshank				1												0		1	1	<b>1</b>		
Green Sandpiper	6	9						2			5	3	4	1	1	0	12	0	12	<b>31</b>		2
Wood Sandpiper	12	6	50					1		8	4	1	1	18	8	0	25	0	25	<b>109</b>		1
Terek Sandpiper																0			0	<b>0</b>		
Common Sandpiper	7	2	9					12	3	2	9	8	6	2	0	0	35	1	36	<b>60</b>	2	1
Grey-tailed Tattler																0			0	<b>0</b>		
Ruddy Turnstone																0			0	<b>0</b>		
Red-necked Phalarope																0			0	<b>0</b>		
Pintail Snipe																0			0	<b>0</b>		
Swinhoe's Snipe																0			0	<b>0</b>		
Pintail/Swinhoe's Snipe																1			1	<b>1</b>		
Common Snipe		2	1											1		1	1		2	<b>5</b>		
Long-billed Dowitcher																0			0	<b>0</b>		
Asian Dowitcher																0			0	<b>0</b>		
Red Knot																0			0	<b>0</b>		
Great Knot																0			0	<b>0</b>		



