



# The International Black-faced Spoonbill Census 2010

Hong Kong Bird Watching Society

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# The International Black-faced Spoonbill Census 2010

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Black-faced Spoonbill *Platalea minor* at Mai Po Nature Reserve, Hong Kong.

Credited by Yat-tung YU

# The International Black-faced Spoonbill Census 2010

The Hong Kong Bird Watching Society Ltd.

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## TABLE OF CONTENTS

### **English Report**

Abstract.....	10
Introduction .....	10
Method.....	11
Results and discussion	
Overview .....	11
Taiwan .....	12
Pearl River Estuary .....	12
China Mainland and Hainan Island.....	13
Red River Delta, Vietnam .....	13
Japan .....	13
Republic of Korea.....	13
Thailand.....	14
Philippines .....	14
Conclusion .....	14
Acknowledgements .....	22
References.....	22

### **Map**

Map 1. Locations of wintering Black-faced Spoonbills in winter 2009-10.....	25
---	----

### **Tables**

Table 1	Numbers of Black-faced Spoonbills in different locations of East Asia, winters of 2009-10.....	27
Table 2	Numbers of Black-faced Spoonbills in Taiwan during the international censuses.....	30
Table 3	Numbers of Black-faced Spoonbills in the Pearl River Estuary during the international censuses .....	33
Table 4	Numbers of Black-faced Spoonbills in China Mainland and Hainan	

	Island during the international censuses .....	33
Table 5	Numbers of Black-faced Spoonbills in the Red River Delta, Vietnam during the international censuses .....	34
Table 6	Numbers of Black-faced Spoonbills in Japan during the international censuses.....	34
Table 7	Numbers of Black-faced Spoonbills in Jeju Island, Republic of Korea during the international censuses .....	34
Table 8	Numbers and percentage increase of total number of Black-faced Spoonbills during the international censuses.....	35

### **Figures**

Figure 1	Known wintering Black-faced Spoonbill population from winter 1989-90 to 2009-10.....	37
Figure 2	Percentages of Black-faced Spoonbills in different wintering areas during the 2010 international census.....	37
Figure 3	Trends of known Black-faced Spoonbills in the world and in three important congregation sites: Tainan of Taiwan, Deep Bay of Hong Kong, Red River Delta of Vietnam from the international censuses.....	38

### **Appendix**

Appendix 1	Counts of Black-faced Spoonbills in Deep Bay, Hong Kong and Shenzhen during the International Black-faced Spoonbill Census 2010.....	40
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# 黑脸琵鹭全球同步普查 2010

香港观鸟会有限公司  
( 认可公共性质慈善机构 )

## 目 录

### 中文报告

撮要.....	17
引言.....	17
普查方法.....	17
结果及讨论	
综观.....	18
台湾.....	18
珠江河口.....	18
中国大陆及海南岛.....	19
越南红河口.....	19
日本.....	19
韩国.....	19
泰国.....	19
菲律宾.....	19
总结.....	20
鸣谢.....	22
参考数据.....	22

### 地图

地图 1 2009-10 黑脸琵鹭冬季栖息地点.....	25
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### 图表

表 1 2009-10 冬季东亚各地的黑脸琵鹭数量.....	27
表 2 全球同步普查期间在台湾录得的黑脸琵鹭数量.....	30
表 3 全球同步普查期间在珠江河口录得的黑脸琵鹭数量.....	33
表 4 全球同步普查期间在中国大陆及海南岛录得的黑脸琵鹭数量.....	33
表 5 全球同步普查期间在越南红河口录得的黑脸琵鹭数量.....	34
表 6 全球同步普查期间在日本录得的黑脸琵鹭数量.....	34
表 7 全球同步普查期间在韩国济州岛录得的黑脸琵鹭数量.....	34
表 8 全球同步普查期间录得的黑脸琵鹭总数及增长百分比.....	35

## 图片

- 图 1 已知的黑脸琵鹭越冬族群于 1989-90 至 2009-10 年冬季数量.....37
- 图 2 2010 全球同步普查期间黑脸琵鹭在不同越冬地的全球百分比 .....37
- 图 3 比较全球同步普查的已知黑脸琵鹭数量,以及三个重要聚集点(台湾台南、香港后海湾和越南红河口)的数量趋势 .....38

## 附录

- 附录 1 2010 年黑脸琵鹭全球同步普查于后海湾的结果 .....40





**The International Black-faced Spoonbill Census  
2010**

**English Report**

# The International Black-faced Spoonbill Census 2010

Yat-tung Yu

Black-faced Spoonbill Research Group  
Hong Kong Bird Watching Society

## Abstract

The annual International Black-faced Spoonbill Census was conducted on 8-10 January 2010. This is an important initiative to gather comparable figures for assessing the health of the wintering population and distribution range of the Black-faced Spoonbill on an annual basis. This census recorded a total of 2,347 Black-faced Spoonbills, scoring a new height for the population of this species. This record peak count also represents an increase of 15% from the last year's figure. Same as previous censuses, Tsengwen River estuary of Tainan as well as Deep Bay between Hong Kong and Shenzhen are the two biggest wintering sites of the Black-faced Spoonbill. A total of 95 Black-faced Spoonbills were also observed at Xinhua Bay, Fujian, which has now evolved into another important wintering site of this globally endangered species.

## Introduction

Black-faced Spoonbill *Platalea minor* is listed as a globally endangered species due to its small known population and restricted range (Collar *et al.* 1994, BirdLife International 2000, 2004, 2010). This species inhabits along the coastal areas on the eastern fringe of Asia (Hancock *et al.* 1992, del Hoyo *et al.* 1992, Yu and Swennen 2004). In early 1990s, this species began to draw the attention of conservationists as fewer than 300 individuals were left at a few sites in the East Asian region (Kennerley 1990). Subsequently, this annual census was inaugurated in 1993 with a view to assessing the wintering population of the Black-faced Spoonbills. Since then, the wintering population was found to be recovering through natural population expansion and conservation efforts in some of the sites. Numbers thereafter exceeded 1,000 individuals in 2003 (Yu 2003) and soared further to over 2,000 in both 2008 and 2009 (Yu 2009).

This census was regarded as one of high priority by Severinghaus *et al.* (1995) because it proved to be an effective means for gathering annual figures on the

population and distribution of wintering Black-faced Spoonbills through international cooperation. The Hong Kong Bird Watching Society, an affiliate of BirdLife International, began to spearhead this census since 2003 onwards. This report aims to present results of the censuses conducted in January 2010.

## **Method**

Previous censuses were unanimously held in mid-winter as the wintering populations of spoonbills seemed to be stable at around this time of the year. In addition, the exact dates for the censuses usually coincide with dates of high tides in Red River Delta in Vietnam and Deep Bay between Hong Kong and Shenzhen because high tide facilitates the counting in these sites. As for the 2010 census, the census period was scheduled in 8-10 January. Geographical area covered by this census is shown in map 1. Guidelines were sent to surveyors in advance of the census as the technical basis. Most of field counts were done within the census period but, for some sites which are in close proximity such as Mai Po and Futian in the Deep Bay area where the spoonbills can fly between these sites within an hour, counts were conducted in the two sites simultaneously. All counts in the census were made with binoculars and telescopes.

Counting of spoonbills is attributed to the voluntary efforts by observers including experienced bird watchers, conservationists, researchers, ornithologists and government officers working in reserves. Census results were summarized by coordinators in the respective regions or individual counters before passing to the international coordinator for further analysis and announcement.

## **Results and discussion**

### **Overview**

This census recorded a total of 2,347 Black-faced Spoonbills in the East Asia region, with the majority along the coast. This figure symbolizes a new high population height for this species since the founding of this census and also embraces an increase of 15% from the last year's toll (table 1 and 9). The average increase rate maintains at 13% (with SD = 10, table 9). In particular, such increase is mainly contributed by an upsurge in the number of the Black-faced Spoonbills recorded in the two largest wintering sites, Tainan area and Deep Bay. An increase is also observed in Japan, as contrasted to the decrease in mainland China and Vietnam, details of which will be discussed below.

Black-faced Spoonbills were found in 52 sites in this census, higher than 43 sites in 2008 and 44 sites in 2009. All the main wintering sites, referred as those sites with more than 2% of the overall wintering populations, are included in the surveys for almost all years, thus minimizing the risk of missing any large groups of wintering Black-faced Spoonbills. In nowadays, the known global population stands at 2,347 individuals, so the 1% population level comprises 23 birds. Sites with more than 23 individuals are therefore listed as important sites for this species. This will be further elaborated below.

### **Taiwan**

In 2010 census, Taiwan still accommodates the largest group of wintering Black-faced Spoonbills in the world, with the number ascending to another new peak level at 1,280 individuals (table 2). This figure represents an increase of 16% from the toll of 2009. Chi-ku and Sitsao of Tainan area is the largest wintering ground in the world, where a total of 1,185 individuals were recorded during this census, constituting 51% of the world population. Smaller groups were recorded in other parts of Taiwan such as Hsinchu, Changhua, Ilan, Kinmen. In particular, it is worthwhile to note that a total of 69 birds were recorded at Chiayi County. More details of the count in Taiwan are shown in table 1 and 2.

### **Pearl River Estuary (including Deep Bay between Hong Kong and Shenzhen, Taipa in Macao)**

**Deep Bay (Hong Kong and Shenzhen): 462 birds      Macao: 39 birds**

The total number of wintering Black-faced Spoonbills in the Pearl River Estuary was 501 individuals, scoring a new height for the count in this area and, for the first time, exceeding the level of 500 individuals. This figure also symbolizes a significant increase of 30% from that in 2009. This increase is mainly attributed to the boost in the number of birds in the Deep Bay area where a total of 462 birds were counted during the census, making a great leap of 38% from the previous year's figure. Same as previous censuses, the latest census covered many sites in Deep Bay area including Mai Po Nature Reserve, Lok Ma Chau fishponds, Tsim Bei Tsui intertidal area, Hong Kong Wetland Park and Futian National Nature Reserve at Shenzhen. This figure represented 20% of the global wintering population.

Situation of the wintering site in Macao is, on the other hand, not so good as that in the Deep Bay area. A total of 39 birds were counted during the census, representing a decrease of 25% from the 2009 census figure, but the census figure of

this year still constitutes 1.6% of the global wintering population. The main loafing area of the spoonbill wintering in Macao is deteriorating because of the development to pave way for tourism industry, whereas the feeding area of these birds is largely unknown. Moreover, both the Government and the public still have low awareness towards the situation. Conservation of the wintering site of Black-faced Spoonbills is a really challenge.

### **China Mainland and Hainan Island**

The number of wintering Black-faced Spoonbills in mainland China (including Hainan Island) is sliding in recent years, against the general increasing trend of the global population. In this census, a total of 234 Black-faced Spoonbills were recorded in this area, bearing a decrease of 5% from the previous year's figure (table 4). This figure represented 10% of the known global population.

One major reason of this decline is the fewer spoonbills recorded in Hainan (Dongfeng), while the number in Guangdong (Haifeng) was just comparable to the 2009 figure. 95 birds were recorded at Xinhua Bay, Fujian, being the largest flock counted in the mainland China. Unfortunately, no survey could be arranged in sites along the coast of Jiangsu, Zhejiang and Guangxi.

### **Red River Delta, Vietnam**

A total of 46 Black-faced Spoonbills were recorded in the Red River Delta, 27% lower than previous year's count. The decrease may be due to the unfavourable tidal situation during the census period for the most part. As in many previous censuses, all birds were recorded in the Xuan Thuy area in the Red River Delta. Survey was also carried out in Thai Thuy IBA, another site in the Red River Delta area, and Ha Ham Island, but no Black-faced Spoonbill could be found there.

### **Japan**

More than 200 birds were recorded in Japan in two previous censuses, and for this census, a new peak count of 258 individuals was made in the western part of Japan (table 6). This means an increase by 20% from the 2009 figure and constitutes 11% of the world population. The largest wintering flock in Japan comprised 27 birds at Shira-kawa River estuary, Kumamoto Prefecture. In addition, wintering Black-faced Spoonbills were recorded in 30 sites in this census (table 1).

### **Republic of Korea**

A total of 27 individuals were recorded at Jeju Island, of which fifteen were

recorded at Hado-ri and the remaining twelve were presented at Seongsanpo. The wintering Black-faced Spoonbill remains relatively stable of a level of 25 individuals at Jeju Island for many years, but this year turned up with an increase of two birds from the previous year. This total number represented 1% of the world population.

### **Thailand**

There were only two records from Thailand in the winter 2009-10. One immature bird was presented and photographed at Nong Bong Kai, Chiangsan, Chiangrai province from 18 December 2009 to 27 February 2010, being a rather unusual inland record. The distance to the nearest coast, i.e. Red River Delta, is about 680km. Another individual was found at Pak Thale, Ban Laem, Phetchaburi in January and February 2010. Hence, at least one was recorded in Thailand during the period of this census.

### **Philippines**

No Black-faced Spoonbill was found in the Philippines in this census. Candaba, the site with a Black-faced Spoonbill found in January 2009, was surveyed in this census but to no avail. Bird watching activities are still unpopular in the Philippines, so many wetland areas are still not included in waterbird survey.

### **Conclusion**

The number of Black-faced Spoonbill returns to the rising path again after a slight decline in the previous year. It is a very encouraging sign to the conservation of this endangered species because it proves that the population is still on the way to recovery. As mentioned, a significant increase is observed in Taiwan, Deep Bay and Japan, but the decrease in mainland China and Vietnam is really an alarm. This species depends mainly to several pockets of intertidal area in the East Asia region (Yu and Swennen 2004). Given that hunting and habitat destruction are still not eradicated from many places in these areas, the increase of numbers in sites with better protection such as Taiwan, Hong Kong and Japan just renders this species to further congregate in only in a few sites. This is not a good direction for the long term survival of the spoonbills.

Sites with more than 1% of the world population of the Black-faced Spoonbills (i.e. 23 individuals) from the census are listed below and are considered important sites for the conservation of the spoonbills.

- Tsengwen River estuary area including Chiku and Sitsao, Tainan - 1,185 birds (51%),
- Deep Bay, Hong Kong and Shenzhen - 462 birds (20%),
- Xinhua Bay, Fujian - 95 birds (4.0%),
- Haifeng, Guangdong - 72 birds (3.1%),
- Changhua River estuary, Hainan - 46 birds (2.0%),
- Xuan Thuy, Red River Delta, Vietnam - 46 birds (2.0%),
- Taipa-coloane, Macao - 39 birds (1.7%),
- New Port and Shira-kawa River estuary, Kumamoto - 27 birds (1.1%),
- Jeju Island - 27 birds (1.1%).



**The International Black-faced Spoonbill Census  
2010**

**黑脸琵鹭全球同步普查 2010**

**Chinese Report**  
中文报告



# 黑脸琵鹭全球同步普查: 2010

余日东  
(翻译: 陈健德)

香港观鸟会 黑脸琵鹭研究组

## 撮要

黑脸琵鹭的周年普查已于 2010 年 1 月 8-10 日举行。这项周年普查具相当重要性，因为普查每年搜集相类的数据，让我们可以检视黑脸琵鹭越冬种群的健康和分布状况。今次普查录得 2,347 只黑脸琵鹭，这个结果创下普查开展以来黑脸琵鹭数目的新高，比往年的数量上升达 15%。一如过去的普查，台南曾文溪口和香港与深圳间的后海湾仍然是黑脸琵鹭的最大越冬地点。另外，在今次普查中福建的兴化湾录得 95 只黑脸琵鹭，成为这个全球性濒危物种的另一个重要越冬地点。

## 引言

黑脸琵鹭 *Platalea minor* 种群细小，加上分布范围狭窄，因此被列入全球受胁鸟种名单 (Collar et al. 1994, 国际鸟盟 2000, 2004, 2010)。这个鸟种栖息于东亚沿海地区 (Hancock et al. 1992, del Hoyo et al. 1992, Yu and Swennen 2004)。1990 年代初，黑脸琵鹭全球数目少于三百只，并仅在东亚几个地点录得，从此在保育方面受到广泛关注 (Kennerley 1990)。自从 1993 年开始，每年冬季都有进行全球同步普查，以评估黑脸琵鹭的越冬种群状况。因应种群的天然增长和一些地点所付出的保育努力，越冬黑脸琵鹭的数量逐步上升，在 2003 年超越 1,000 只 (Yu 2003)，于 2008 年和 2009 年更超过 2,000 只 (Yu 2009)。

这项普查并被刘小如等 (1995) 列入为优先保育次序，因为这样的国际协作调查已证实为有效的工具，提供越冬黑脸琵鹭数量和分布数据。国际鸟盟支会香港观鸟会于 2003 年起开始统筹该全球同步普查。本报告会详述 2010 年一月所进行的普查结果。

## 普查方法

过往的普查均会选择于隆冬时份进行，皆因琵鹭数量于冬季中期较为稳定，而普查必须订于那些位于香港与深圳间的后海湾和越南春水 (红河口国家公园) 潮水高涨的日子进行，因为高涨的潮水有利数点工作。由此，2010 的普查安排在 1 月 8-10 日举行。地图 1 显示全球同步普查的进行地点。在普查之前，本会向各参与者提供普查指引作为技术基础。大部份的实地数点都是在普查期间进行，不过部份地点，例如后海湾的香港米埔和深圳福田距离咫尺，琵鹭可于一个小时内飞越这两个地点。因此，这些地点的点算工作需要以同步方式，利用双筒和单筒望远镜进行。

琵鹭普查有赖各地资深观鸟者、保育工作者、研究员、鸟类学家和保护区内工作的官员共同义务合作。各地的统筹员和个别的数点人员收集和整理普查纪录后，将结果提交给国际统筹员，作进一步的分析和公布结果。

## 结果及讨论

### 综观

今次普查在东亚地区共录得2,347只黑脸琵鹭，主要在沿海一带。这个结果更创下普查开展以来黑脸琵鹭数目的新高，比往年的数量上升达15%（表1及9）。而数字每年维持以平均13%上升（SD = 10，详见表9）。普查录得的黑脸琵鹭越见增多，主要源于两大越冬地点，即台南地区和后海湾的增长。日本的数量亦有所增加，不过中国大陆和越南的数量却同时下滑，详情会在下面分解。

今次普查录得黑脸琵鹭在 52 个地点越冬，比 2008 年的 43 个和 2009 年的 44 个地点还要高。每次普查均会涵盖所有曾经录得越冬黑脸琵鹭数目达到总数 2% 的地点，故此减低遗漏大群黑脸琵鹭的机会。如今全球黑脸琵鹭的数目达 2,347 只，因此总数 1% 的水平订于 23 只。任何地方倘若录得 23 只黑脸琵鹭或以上，均被视作此种的重要越冬地点，详情会在下面分解。

### 台湾

2010 年普查中，台湾仍然拥有世上最大群的越冬黑脸琵鹭，数目再创新高，达 1,280 只（表 2）。这个数目较 2009 年上升 16%。另外，台南七股和四草仍然是全球最大的黑脸琵鹭越冬地，普查中共有 1,185 只黑脸琵鹭在此录得，占该种总数的 51%。少数的黑脸琵鹭也有在台湾其它地点录得，计有新竹、彰化、宜兰、金门，而其中一个值得留意的纪录，就是嘉义县录得 69 只黑脸琵鹭。有关台湾方面的调查，详情可见于表 1 和 2。

### 珠江河口(包括香港和深圳的后海湾，以及澳门凼仔路环)

#### 后海湾(香港及深圳): 462 只, 澳门: 39 只

在珠江河口地区录得的黑脸琵鹭，数目达501只，为这个地区至今的最高纪录，更首度冲破500只的大关。今年数目比2009年大增30%，主要原因是后海湾地区纪录到462只黑脸琵鹭，比去年大幅增加38%。一如过去的普查，今年调查覆盖后海湾地区多个地点，包括米埔自然保护区、落马州鱼塘、尖鼻咀潮汐带、香港湿地公园以及深圳福田自然保护区。后海湾地区的数目占该种越冬种群的20%。

然而，澳门越冬地点的情况并没有如后海湾地区的般理想，是次调查只录得 39 只黑脸琵鹭，比 2009 年普查的数目少了 25%，只占该种越冬种群的 1.6%。随着旅游业的发

展，琵鹭在澳门的主要越冬地点正不断恶化，我们至今对牠们的觅食地点仍然不甚了解。除此之外，政府以至公众对琵鹭在澳门的情况关注依然偏低，保护黑脸琵鹭越冬地点的工作存在不少挑战。

### **中国大陆和海南岛**

近年来，中国大陆（包括海南岛）录得的黑脸琵鹭越来越少，与全球数量的上升趋势大相径庭。今年，这个地区只录得234只黑脸琵鹭，较往年数目下跌5%（表4），占全球已知总数的10%。

海南岛东方昌化江河口录得的黑脸琵鹭数目有所下降，应该是中国大陆数量减少的主要原因。毕竟，今年广东海丰的纪录与上年大致相若，而在今次普查中，福建除了兴化湾外，没有其它地点录得较多的黑脸琵鹭，显示此种如今只集中在一个地点。可惜的是，江苏、浙江以至广西沿海均没有安排普查，此种在以上各地的情况不得而知。

### **越南红河口**

今次普查中，黑脸琵鹭在红河三角洲的数目达 46 只，比去年少了 27%。调查期间的潮汐情况并不理想，可能是导致数目下跌的主要因素。一如过去的普查，所有的纪录都是在红河三角洲的春水地区录得。调查亦有在同属红河三角洲的 Thai Thuy 的国际鸟类重要地点，以及 Ha Ham Island 进行，不过以上地点均没有纪录。

### **日本**

在过去两次的普查里，日本都录得超过 200 只的黑脸琵鹭，而今年的普查更创出新高，在日本西部录得 258 只（表 6）。这意味数目超出 2009 年数字逾 20%，稳占全球数目 11%。日本最大的越冬种群在熊本县的白川河口录得，共有 27 只。今次普查的纪录显示，黑脸琵鹭在日本的越冬地点达到 30 个（表 1）。

### **韩国**

今次的普查在济州岛录得总共27只黑脸琵鹭，15只在Hado-ri及其余12只在城山浦。在济州岛越冬的黑脸琵鹭数目相对稳定，多年以来维持25只左右的水平，今年增加两只，而这里的数目已占全球总数1%。

### **泰国**

2009-10 年度冬季泰国有两个黑脸琵鹭的纪录。第一个纪录在泰国北部清莱省清盛 Nong Bok Kai 有一只幼鸟由 2009 年 12 月至 10 年 2 月逗留在当地，另外一只在碧武里 Laem Pak Bia 的 Pak Thale 录得，出现在 1 月 23 日至 2 月 7 日。所以今冬在泰国有最少一只黑脸琵鹭。

### **菲律宾**

今次普查中，菲律宾没有录得黑脸琵鹭。普查亦有造访曾于 2009 年 1 月录得黑脸琵鹭的 Candaba，可惜没有任何发现。菲律宾的观鸟活动处于起步阶段，很多湿地地点仍未纳入水鸟调查中。

## 总结

黑脸琵鹭数目继往年稍微下降后今年重拾升轨，意味种群的复苏趋势得以维持，对这个濒危物种的保育来说，这是一个非常令人鼓舞的现象。正如上述，黑脸琵鹭的数目在台湾、后海湾和日本显著增长，不过中国大陆和越南的数量却同时下滑，情况敲响警号。这些国家的大部份地方未受恰当保护，打猎和生境破坏仍然存在。相反，台湾、香港和日本对栖息地实施较佳的保护及管理，致使这些地方录得的数目增长，亦使黑脸琵鹭进一步集中于少数的栖地，这对本种的长远生存并不是一个良好的方向。黑脸琵鹭的主要生境是多个在东亚区内的细小潮汐间湿地(Yu and Swennen 2004)，这些栖息地的保护是对这鸟种的长远生存有很重要的意义。

任何地方所录得的黑脸琵鹭数目倘若超过全球数量的 1%（亦即 23 只）的话，均会视为保育此种的重要地点，现将这些地点胪列如下。

- 台湾台南曾文溪口，包括七股及四草 - 1,1185 只 (51%)，
- 香港和深圳后海湾 - 462 只 (20%)，
- 福建兴化湾 - 95 只 (4.0%)，
- 广东海丰- 72 只 (3.1%)，
- 海南岛昌化江口- 46 只 (2.0%)，
- 越南红河口春水国家公园 - 46 只 (2.0%)，
- 澳门凼仔路环 - 39 只 (1.7%)，
- 日本九州岛熊本县新港和白川水源河口 - 27 只(1.1%)，
- 韩国济州岛- 27 只 (1.1%)，



**The International Black-faced Spoonbill Census  
2010**

黑脸琵鹭全球同步普查 2010

**Acknowledgements and References**

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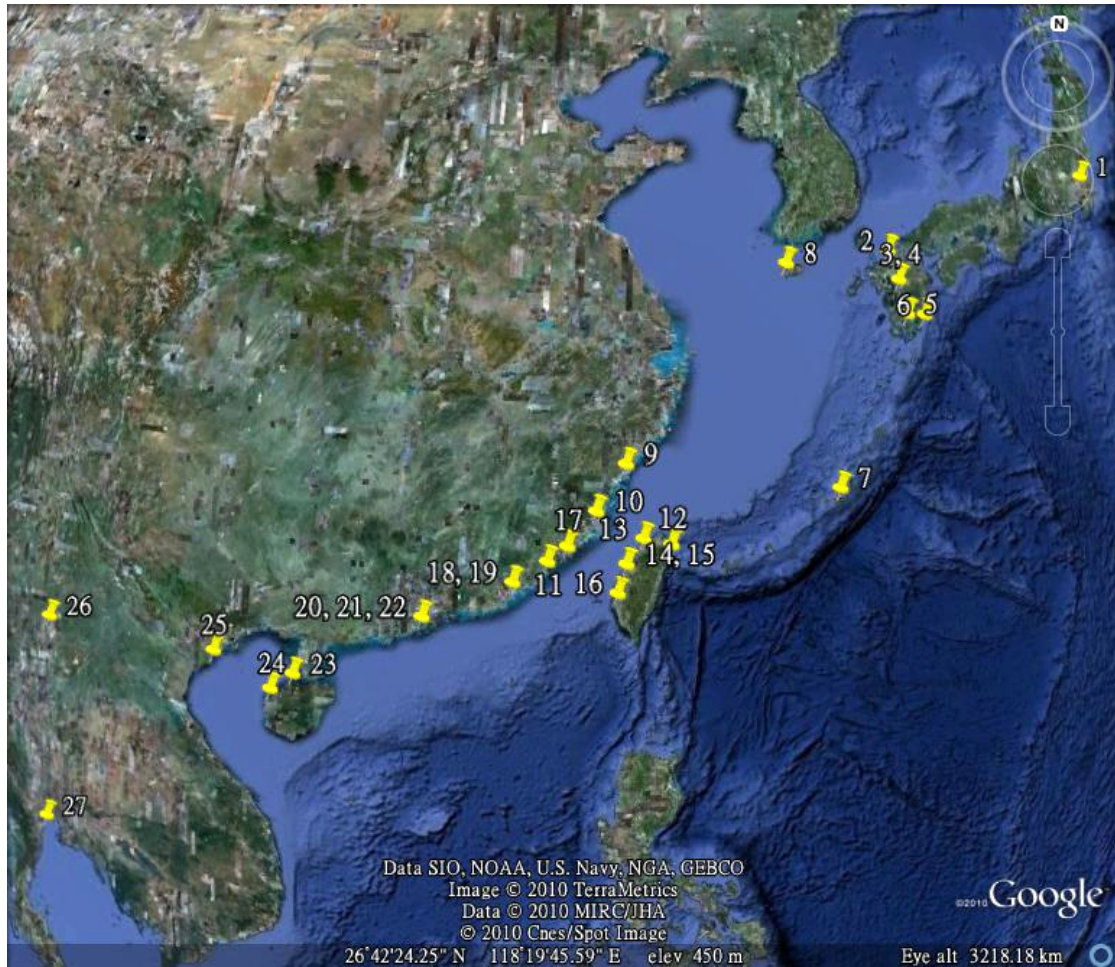


**The International Black-faced Spoonbill Census  
2010**

**黑脸琵鹭全球同步普查 2010**

**Map  
地图**





Map 1. Locations of wintering Black-faced Spoonbills in winter 2009-10. 1) Ibaraki, Japan; 2) Fukuoka, Japan; 3) Saga, Japan; 4) Kumamoto, Japan; 5) Miyazaki, Japan; 6) Kagoshima, Japan; 7) Nansei-shoto Islands, Japan; 8) Jeju, Republic of Korea; 9) Xiapu, Fujian; 10) Xinhua Bay (Fuqing and Putian), Fujian; 11) Southern Fujian; 12) Ilan, Taiwan; 13) Hsinchu, Taiwan; 14) Changhua, Taiwan; 15) Chiayi, Taiwan; 16) Tainan (Chiku and Sitsao, Taiwan; 17) Kinmen, Taiwan; 18) Shantou, Guangdong; 19) Haifeng, Guangdong; 20) Guangzhou, Guangdong; 21) Deep Bay, Hong Kong and Shenzhen; 22) Taipa, Macao; 23) Lingao, Hainan; 24) Changhua River estuary, Hainan; 25) Xuan Thuy, Vietnam; 26) Chiangrai, Thailand; 27) Phatchaburi, Thailand.

地图 1. 2009-10 冬季年黑脸琵鹭全球同步普查地点: 1) 日本茨城县; 2) 日本福冈县; 3) 日本佐贺县; 4) 日本熊本县; 5) 日本宫崎县; 6) 日本鹿儿岛县; 7) 日本西南群岛; 8) 韩国济州岛; 9) 福建霞浦; 10) 福建兴化湾(福清和莆田); 11) 福建南部; 12) 台湾宜兰; 13) 台湾新竹; 14) 台湾彰化; 15) 台湾嘉义; 16) 台湾台南(七股和四草); 17) 台湾金门; 18) 广东汕头; 19) 广东海丰; 20) 广东广州; 21) 香港和深圳后海湾, 22) 澳门路环; 23) 海南临高; 24) 海南昌化江口; 25) 越南红河口春水; 26) 泰国清莱; 27) 泰国碧武里。



**The International Black-faced Spoonbill Census  
2010**

**黑脸琵鹭全球同步普查 2010**

**Tables**

**图表**

Table 1. Number of Black-faced Spoonbills in different locations of East Asia, winter 2009-10. Numbers in parenthesis are extra birds counted outside the census period.

表 1. 2009-10 年冬季东亚各地的黑脸琵鹭数量

Region 地区	Location 地点	2010	Number 数量	Reported by 普查员 / 记录者
China mainland 中国大陆	Funing Bay, Xiapu, Fujian 福建 霞浦 福宁湾	9 Jan 1 月 9 日	8	Fujian Wildlife and Wetland Resource Monitoring Centre, Xiapu Forestry Bureau. 福建省野生动物与湿地资源监测中心, 霞浦林业局
China mainland 中国大陆	Xinhua Bay, Fuqian/Putian, Fujian 福建 福清/莆田 兴化湾	10 Jan 1 月 10 日	95	Fujian Wildlife and Wetland Resource Monitoring Centre, Fujian Bird Watching Society, Changle Forestry Bureau, Putian Bird Watching Society, Xiamen Bird Watching Society, Xiapu Forestry Bureau, Yuanxiao Forestry Bureau. 福建省野生动物与湿地资源监测中心, 福建观鸟会, 长乐林业局, 莆田观鸟会, 厦门观鸟会, 霞浦林业局, 云霄林业局
China mainland 中国大陆	Southern Fujian 福建南部	10 Jan 1 月 10 日	1	Xiamen Bird Watching Society 厦门观鸟会
China mainland 中国大陆	Shantou, Guangdong 广东 汕头	8-10 Jan 1 月 8 至 10 日	2	Zheng Kanghua 郑康华
China mainland 中国大陆	Haifeng, Guangdong 广东 海丰	8-10 Jan 1 月 8 至 10 日	72	Zeng Xianwu, 曾向武
China mainland 中国大陆	Panyu, Guangzhou, Guangdong 广东 广州 番禺	10 Jan 1 月 10 日	2	Bu Biao, Wu Kansong, Wang Huiguang, Li Wenjie, Li Lingdong, Xu faming, Li Mingxuan, He Chang, Yu Haiyan 卜标, 吴坎宋, 王辉广, 李文杰, 李令东, 徐发铭, 黎明轩, 何畅, 虞海燕
China mainland 中国大陆	Houshui Bay, Lingao, Hainan 海南省 临高 后水湾	8-10 Jan 1 月 8 至 10 日	7	Xu Jingjie, Wen Meicheng, He Zukun, Greeneyes, Dongzhaigang NNR office 许景杰, 温美程, 何祖坤, 绿眼睛, 东寨港保护区办公室
China mainland 中国大陆	Changhua River estuary, Dongfang, Hainan 海南省 东方 昌化江口	8-10 Jan 1 月 8 至 10 日	46	Xu Jingjie, Wen Meicheng, He Zukun, Greeneyes, Dongzhaigang NNR office 许景杰, 温美程, 何祖坤, 绿眼睛, 东寨港保护区办公室

Hong Kong and Shenzhen 香港和深圳	Deep Bay Bay, including Mai Po, Hong Kong and Futian, Shenzhen 后海湾、包括香港米埔及深圳福田	8-10 Jan 1月8日至10日	462	Asia Ecological Consultants, Agriculture, Fisheries and Conservation Department, Hong Kong Bird Watching Society and Shenzhen Bird Watching Society 亚洲生态环境顾问公司、渔农自然护理署、香港观鸟会及深圳市观鸟协会
Macao 澳门	Taipa-coloane 凼仔-路环	8-10 Jan 1月8日至10日	39	Leung Va, Silvia Choi 梁华及蔡静亚
Taiwan 台湾	Changhua 彰化	8-10 Jan 1月8日至10日	2	黄圣扬
Taiwan 台湾	Chiku and environs, Tainan 台南 七股及附近地区	10 Jan 1月10日	802	Black-faced Spoonbill Conservation Association, Black-faced Spoonbill Patrol team 黑面琵鹭保育协会, 黑面琵鹭巡守队
Taiwan 台湾	Sitsao and environs, Tainan 台南市 四草及附近地区	10 Jan 1月10日	383	Wild Bird Society of Tainan city 台南市野鸟学会
Taiwan 台湾	Aoku Chiayi 嘉义 鳌鼓	9 Jan 1月9日	13	陈建桦, 陈建安
Taiwan 台湾	Chiayi 嘉义 布袋盐田	9 Jan 1月9日	56	王征吉
Taiwan 台湾	Hsinchu 新竹	10 Jan 1月10日	2	Wild Bird Society of Hsinchu 新竹野鸟学会
Taiwan 台湾	Ilan 宜兰 塭底及五十二甲	8-10 Jan 1月8日至10日	16	洪慧意, 胡林志
Taiwan 台湾	Kinmen 金门	9 Jan 1月9日	6	李新团, 许菁华
Vietnam 越南	Red River Delta, Xuan Thuy National Park 红河三角洲 春水国家公园	10 Jan 1月10日	46	Phan Van Truong
Japan 日本	Honshu: Ibaraki Pref. Hasaki-cho, Shubana Tone River estuary 本州岛 茨城县 波崎町 洲鼻	10 Jan 1月10日	3	Shigeru Tokumoto 德元茂
Japan 日本	Kyushu: Fukuoka Pref., Karita Reclamation 九州岛 福冈县 苅田埋立地	10 Jan 1月10日	10	Satoshi Takeda 田代省二
Japan 日本	Kyushu: Fukuoka Pref., Fukuoka City, Tsuyazaki Irie 九州岛 福冈县 津屋崎	10 Jan 1月10日	1	Kimiko Kouno 河野纪美子
Japan 日本	Kyushu: Fukuoka Pref., Fukuoka City, Zuibaiji River estuary, Imazu tidal flat 九州岛 福冈县 瑞梅寺河 今津干潟	10 Jan 1月10日	21	Hiroto Okabe 冈部海都
Japan 日本	Kyushu: Fukuoka Pref., Fukuoka City, Artificial Island reclamation at Hakata Bay. 九州岛 福冈县 人工岛埋立地	10 Jan 1月10日	8	Koji Takenaka, Takuro Hattori 花田正孝, 竹中孝司
Japan 日本	Kyushu: Fukuoka Pref., Fukuoka City, Wajiro tidal flat (coast). 九州岛 福冈县 和白干潟(海岸)	10 Jan 1月10日	1	Kouji Takenaka 花田正孝
Japan 日本	Kyushu: Fukuoka Pref., Fukuoka City, Tatara River estuary	10 Jan 1月10日	9	Takuro Hattori, Masuko Kinoshita

	九州島島 福岡県 多多良川河口			服部卓朗, 木下マス子
Japan 日本	Kyushu: Fukuoka Pref., Gannosu coast 九州島島 福岡県 雁ノ巣海岸	10 Jan 1月10日	2	Kouji Takenaka 花田正孝
Japan 日本	Kyushu: Fukuoka Pref., Itosima City, Raizan River estuary 九州島島 福岡県 雷山河口	10 Jan 1月10日	1	Satoru Matsumoto 松元悟
Japan 日本	Kyushu: Fukuoka Pref., Itosima City, Kanoubaru-ike pond 九州島島 福岡県 叶原池	10 Jan 1月10日	1	Satoru Matsumoto 松元悟
Japan 日本	Kyushu: Fukuoka Pref., Itosima City, Kafuri Bay (tidal flat) 九州島島 福岡県 加布里湾	10 Jan 1月10日	3	Mitsunori Tsuchiya 土谷光宪
Japan 日本	Kyushu: Saga Pref., Daijugarami 九州島島 佐賀県 大授搦	10 Jan 1月10日	8	Mitsunori Tsuchiya 土谷光宪
Japan 日本	Kyushu: Saga Pref., Hayatsue River estuary 九州島島 佐賀県 早津江河口	10 Jan 1月10日	1	Mitsunori Tsuchiya 土谷光宪
Japan 日本	Kyushu: Saga Pref., Hama River estuary 九州島島 佐賀県 滨川河口	10 Jan 1月10日	1	Yasuo Miyazaki 宮崎八洲夫
Japan 日本	Kyushu: Saga Pref., Nanaura coast 九州島島 佐賀県 七浦海岸	10 Jan 1月10日	17	Yasuo Miyazaki 宮崎八洲夫
Japan 日本	Kyushu: Kumamoto Pref., Arao coast 九州島島 熊本県 荒尾海岸	9 Jan 1月9日	5	Seizaburo Yasuo, Masaaki Takesita 安尾征三郎, 竹下将明
Japan 日本	Kyushu: Kumamoto Pref., Kumamoto New Port & Shira-kawa River estuary 九州島島 熊本県 新港, 白川河口	9 Jan 1月9日	27	Yoshihumi Matsumoto, Minoru Beppu, Masami Ishihara, Satomi Sakaguchi, Shun Asada, Fumiya Matsuda 松元芳文, 别府穰, 石原政未, 坂口里美, 浅田骏, 松田史哉
Japan 日本	Kyushu: Kumamoto Pref., Hi-kawa River estuary 九州島島 熊本県 氷川河口	9 Jan 1月9日	16	Atsuto Hamasuna, Saori Hamasuna, Junichi Maeda 滨砂淳人、滨砂佐织、前田润一
Japan 日本	Kyushu: Kumamoto Pref., Kikuchi River estuary 九州島島 熊本県 菊池川河口	9 Jan 1月9日	9	Hiroshi Mitsunaga 光永汪
Japan 日本	Kyushu: Kumamoto Pref., Midori River estuary 九州島島 熊本県 绿川河口	9 Jan 1月9日	9	Hisayoshi Shiraishi, Kazunori Yamamoto 白石久喜, 山本和纪
Japan 日本	Kyushu: Kumamoto Pref., estuaries of Ohno River & Suna River 九州島島 熊本県 大野川及砂川河口	9 Jan 1月9日	22	Ken-ichi Shiraishi, Youka Fujimoto, Youko Murata 白石健一, 藤本洋子, 村田叶子
Japan 日本	Kyushu: Kumamoto Pref., Kagami River estuary 九州島島 熊本県 镜川河口	9 Jan 1月9日	8	Teisi Nakao, Hideo Sakai 中尾禎志, 坂井英雄
Japan 日本	Kyushu: Kumamoto Pref., Mae/Kuma River estuary 九州島島 熊本県 前川/球磨河口	9 Jan 1月9日	10	Shigeki Takano, Shiori Asai, Masahiro Etho, Mr. Yamaguchi, Sakiko Honda 高野茂树, 浅井しおり, 江藤正宏, 山口孚, 本田佐规子
Japan	Kyushu: Miyazaki Pref., Hitotsuse	10 Jan	10	Hiroko Yamaguchi,

日本	River estuary 九州岛岛 宫崎县 一瀬川河口	1月10日		Hiroshi Yamaguchi, Hirosige Kubo, Atsusi Higashi 山口浩子, 山口广, 久保宽成, 东笃志
Japan 日本	Kyushu: Kagoshima Pref., Manose River estuary 九州岛岛 鹿儿岛县 万之瀬河口	10 Jan 1月10日	15	Tsukasa Kamimura 上村司
Japan 日本	Kyushu: Kagoshima Pref., Kajikisuzaki regulation pond 九州岛岛 鹿儿岛县 加治木须崎调整池	10 Jan 1月10日	13	Yoshiteru Tateyama 立山芳辉
Japan 日本	Kyushu: Kagoshima Pref., the regulation pond next to Hayato Port 九州岛岛 鹿儿岛县 隼人港横调整池	10 Jan 1月10日	6	Shuu Miyano 宫野寿
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Awase River estuary 西南群岛: 冲绳县 泡瀬干潟	10 Jan 1月10日	3	Masakuni Yamashiro, Sin Yosizato, Isamu Matayosi 山城正邦, 吉里伸, 又吉勇
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Tomigusuku, Senaga Waterway 西南群岛: 冲绳县 泡瀬干潟	10 Jan 1月10日	10	Kouji Shinjo, Takafumi Morikawa, Takako Morikawa, Yasuko Tomishima 新城公次, 富岛靖子, 森河隆史, 森河贵子
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Ishigakijima- Island, Miyara River estuary 西南群岛: 冲绳县 石垣岛 官良川河口	10 Jan 1月10日	8	Kunitaro Miyagi, Yasuko Miyagi 宫城国太郎, 宫城靖子
Republic of Korea 韩国	Jeju: Hado-ri fishponds 济州 Hado-ri 渔塘	9-10 Jan 1月9日至10日	12	Chung Young-Bae, Kang Chang-Wan, Kang Hee-Man, Kang In-yeop, Kim Eun-Mi, Jeju Wildlife Research Center
Republic of Korea 韩国	Jeju: Seongsanpo 济州 城山浦	9-10 Jan 1月9日至10日	15	Chung Young-Bae, Kang Chang-Wan, Kang Hee-Man, Kang In-yeop, Kim Eun-Mi, Jeju Wildlife Research Center
Thailand 泰国	Nong Bong Khai, Chiangrai 清菜	Dec 2009 - Feb 2010 09年12月至10年2月	1	via Uaiphorn Khwanphae
Thailand 泰国	Laem Pak Bia, Phatchaburi 碧武里	23 Jan-27 Feb 2010 1月23日至2月27日	(1)	via Uaiphorn Khwanphae
	<b>Total</b>		2347 (1)	

Table 2. Site visited but no Black-faced Spoonbills seen during or near the census period.

表 2. 全球同步普查期间曾进行调查但未有录得琵鹭的地方

Region 地区	Location 地点	Date 日期	Reported by 普查员 / 记录者
China mainland 中国大陆	Chongming Dongtan, Shanghai 上海 崇明东滩	9 Jan 1月9日	Shanghai BWS 上海观鸟会

China mainland 中国大陆	Nanhui, Shanghai 上海 南汇	10 Jan 1月10日	Shanghai BWS 上海观鸟会
China mainland 中国大陆	Minjiang estuary, Fuzhou, Fujian 福建 福州 闽江口	9 Jan 1月9日	Fujian Wildlife and Wetland Resource Monitoring Centre, Fujian Bird Watching Society, Changle Forestry Bureau, Putian Bird Watching Society, Xiamen Bird Watching Society, Xiapu Forestry Bureau, Yuanxiao Forestry Bureau. 福建省野生动物与湿地资源 监测中心, 福建观鸟会, 长乐林业局, 莆田观鸟会, 厦门观鸟会, 霞浦林业局, 云霄林业局
China mainland 中国大陆	Dongzhaigong Nature Reserve, Hainan 海南 东寨港自然保护区	8-10 Jan 1月8至10日	Xu Jingjie, Greeneye, Dongzhaigang NNR office 许景杰, 绿眼睛, 东寨港保 护区办公室
Taiwan 台湾	Penghu 澎湖	8-10 Jan 1月8至10日	郑谦逊
Taiwan 台湾	Taitung 台东	8-10 Jan 1月8至10日	王克考
Taiwan 台湾	Keelung 基隆	8-10 Jan 1月8至10日	Wild Bird Society of Keelung 基隆野鸟学会
Taiwan 台湾	Miaoli 苗栗	8-10 Jan 1月8至10日	刘春风, 陈琮瑢, 林厥隽, 陈淑美, 郭荣信, 黄克礼, 洪维锋, 洪千惠
Taiwan 台湾	Yunlin 云林	8-10 Jan 1月8至10日	詹宗达
Taiwan 台湾	Hualien 花莲	8-10 Jan 1月8至10日	Wild Bird Society of Hualien 花莲野鸟学会
Taiwan 台湾	Kaoshiung 高雄	10 Jan 1月10日	吴崇祥, 郑和泰, 陈瑞龙, 陈培智, 郑清福, 洪福龙
Taiwan 台湾	Kuandu nature centre, Taipei 台北 关渡自然中心	8-10 Jan 1月8至10日	方蕙菁
Taiwan 台湾	Kenting 垦丁	8-10 Jan 1月8至10日	蔡乙荣
Japan 日本	Kyushu: Fukuoka Pref., Kitakyusyu City, Sone tidal flat, Kusami River estuary 九州岛岛 福冈县 曾根干潟 朽网川河 口	9 Jan 1月9日	Satoshi Takeda, Shungo Takashi 中尾寛作、武田尊史、高桥 俊吾
Japan 日本	Kyushu: Fukuoka Pref., Kiyochou-ike Pond 九州岛岛 福冈县 驾与丁池	10 Jan 1月10日	Makoto Tominaga, Chiaki Nakahara 中原千秋
Japan 日本	Kyushu: Fukuoka Pref., Kashii coast 九州岛岛 福冈县 香椎海岸	10 Jan 1月10日	Takuro Hattori 服部卓朗

Japan 日本	Kyushu: Nagasaki Pref., inside the embankment of Isahaya Bay 九州岛岛 长崎县 諫早干拓地 调整池	10 Jan 1月10日	Reiko Fukushima 福嶋令子
Japan 日本	Kyushu: Kumamoto Pref., Ezuko Lake 九州岛岛 熊本县 江津湖	9 Jan 1月9日	Shinichi Tagawa, Daichi Tagawa
Japan 日本	Kyushu: Kagoshima Pref., Kokubu tidal flat, Amori River estuary 九州岛岛 鹿儿岛县 国分干拓 天降川 河口	10 Jan 1月10日	Keiko Miyano 宫野启子
Japan 日本	Kyushu: Kagoshima Pref., Beppu River estuary 九州岛岛 鹿儿岛县 别府川河口	10 Jan 1月10日	Yukako Naito 内藤由香子
Japan 日本	Kyushu: Kagoshima Pref., Omoi River estuary 九州岛岛 鹿儿岛县 思川河口	10 Jan 1月10日	Seiji Takezoe 竹添星児
Japan 日本	Kyushu: Kagoshima Pref., Aira-machi, theregulation pond 九州岛岛 鹿儿岛县 始良町 エビ养殖场横调整池	10 Jan 1月10日	Baku Hamamoto 浜本 麦
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Iriomote-island 西南群岛: 冲绳县 西表岛	10 Jan 1月10日	Shuichi Kuwahara 桑原 修一
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Gushi-tidal flat 西南群岛: 冲绳县 具志干舄(海岸)	10 Jan 1月10日	Okina Nakamoto 仲本兴名
Vietnam 越南	Ha Nam Island, Yen Hung District, Quang Ninh Province 广宁省 安兴县 河南岛	9 Jan 1月9日	Nguyen Duc Tu
Vietnam 越南	Thai Thuy IBA, Red River Delta	10 Jan 1月10日	Nguyen Duc Tu
Republic of Korea 韩国	Gyeonggi, Sihwa Lake	9-10 Jan 1月9至10日	Choi Chang-yong, Nam Hyun-Young, Korea National Park Migratory Birds Center
Republic of Korea 韩国	Chungnam, Cheonsu Bay	9-10 Jan 1月9至10日	Choi Chang-yong, Kim Shin-Hwan
Republic of Korea 韩国	Busan, Nakdong river estuary	9-10 Jan 1月9至10日	Kang Seung-Gu, Nakdong Estuary Eco-center
Philippine 菲律宾	Candaba, Pampanga	8-10 Jan 1月8至10日	Wild Bird Club Philippine



Table 2. Numbers of Black-faced Spoonbills in Taiwan during the international censuses.

表 2. 全球同步普查期间在台湾录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Total	150	206	286	300	298	363	380	380	427

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	582	580*	632	757	826	790	1030	1104	1280

\* This number also included 18 injured and sick individuals from the outbreak of avian botulism.

Table 3. Numbers of Black-faced Spoonbills in the Pearl River Estuary during the international censuses.

表 3. 全球同步普查期间在珠江河口录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Hong Kong	50	70	78	99	69	88	96	90	135
Shenzhen	nc	nc	nc	nc	32	58	nc	nc	42*
Macao	6	12	8	10	13	9	12	6	36
Total	56	82	86	109	114	155	108	96	171*

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Hong Kong	136	179	238	272	296	320	331	273	429
Shenzhen	3	24	5	39	50	36	38	62	33
Macao	37	46	50	39	51	48	50	52	39
Total	176	249	293	350	397	404	419	387	501

nc = no count, \*Forty-two birds in Futian was not included in the total number because counts in Mai Po and Futian were not taken simultaneously.

Table 4. Numbers of Black-faced Spoonbills in China Mainland (excludes Futian, Shenzhen) and Hainan Island during the international censuses.

表 4. 全球同步普查期间在中国大陆及海南岛录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Total	15	22	21	21	58	5	3	9	72

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	24	17	91	187	206	247	313	247	234

Table 5. Numbers of Black-faced Spoonbills in Red River Delta, Vietnam during the international censuses.

表 5. 全球同步普查期间在越南红河口录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Total	62	25	23	75	nc	59	34*	46*	47

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	54*	65*	15	56	74	45	49	63	46

nc = no count, \* Surveys also included Thai Binh and other places in the Delta.

Table 6. Numbers of Black-faced Spoonbills in Japan during the international censuses.

表 6. 全球同步普查期间在日本录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Total	5	16	14	31	28	75	60	99	87

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	107	128	149	103 (47)	155	189	224	215	258

Number in parenthesis is the birds recorded outside but closed the census period.

Table 7. Numbers of Black-faced Spoonbills in Jeju Island, Republic of Korea during the international censuses.

表 7 全球同步普查期间在韩国济州岛录得的黑脸琵鹭数量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01
Total	6	nc	nc	15	16	25	14	20	21

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	29	22	23	21	21	20	28	25	27

nc = no count

Table 8. Numbers and percentage increase of total number of Black-faced Spoonbills during the international censuses.

表 8 全球同步普查的黑脸琵鹭总数及百分比增加

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00	Jan 01	Jan 02
Total	294	351	430	551	535	613	586	660	828	969
% increase	-	19.4	22.5	28.1	-2.9	14.6	-4.4	12.6	25.5	17.0

Year	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	Jan 08	Jan 09	Jan 10
Total	1069	1206	1475	1679	1695	2065	2041	2347
% increase	10.3	12.8	22.3	13.8	1.0	21.8	-1.2	15.0

Average % increase (SD): 13.4 (10.0), n = 17



## **The International Black-faced Spoonbill Census 2010**

**黑脸琵鹭全球同步普查 2010**

### **Figures**

图片

### International Black-faced Spoonbill Census, 1989-2010

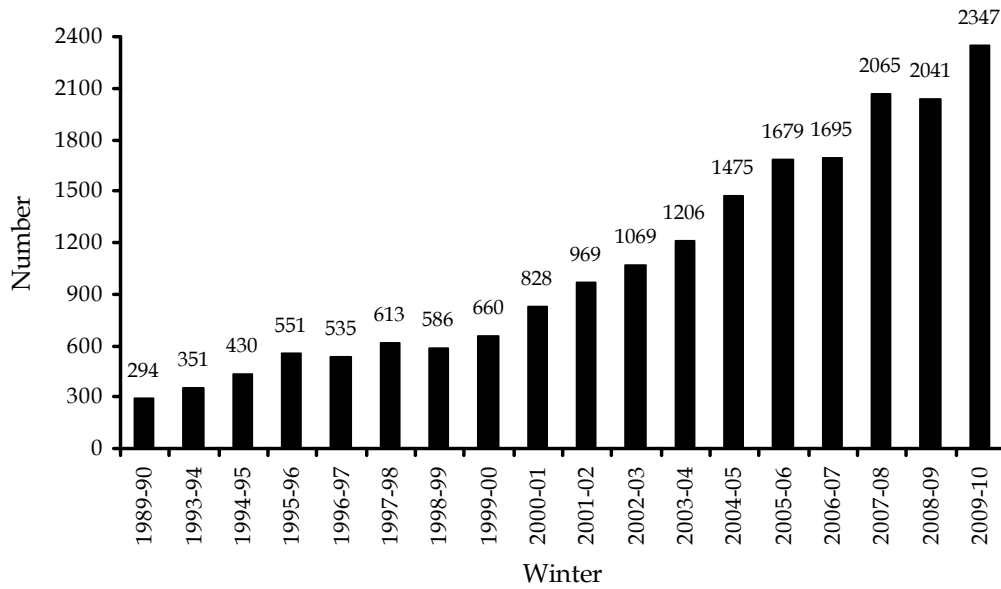


Figure 1 Known wintering Black-faced Spoonbill populations from winter 1989-90 to 2009-10.

图 1. 1989-90 至 2009-10 年冬季已知的黑脸琵鹭数量

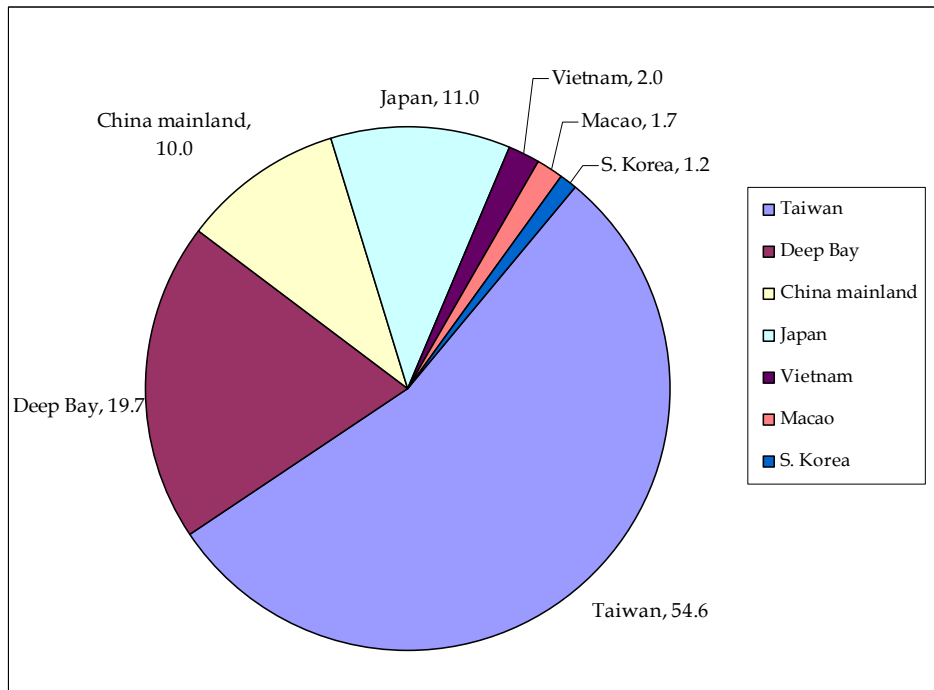


Figure 2. Percentages of Black-faced Spoonbills in different wintering areas during the 2010 international census.

图 2. 2010 全球同步普查期间黑脸琵鹭在不同越冬地的全球百分比

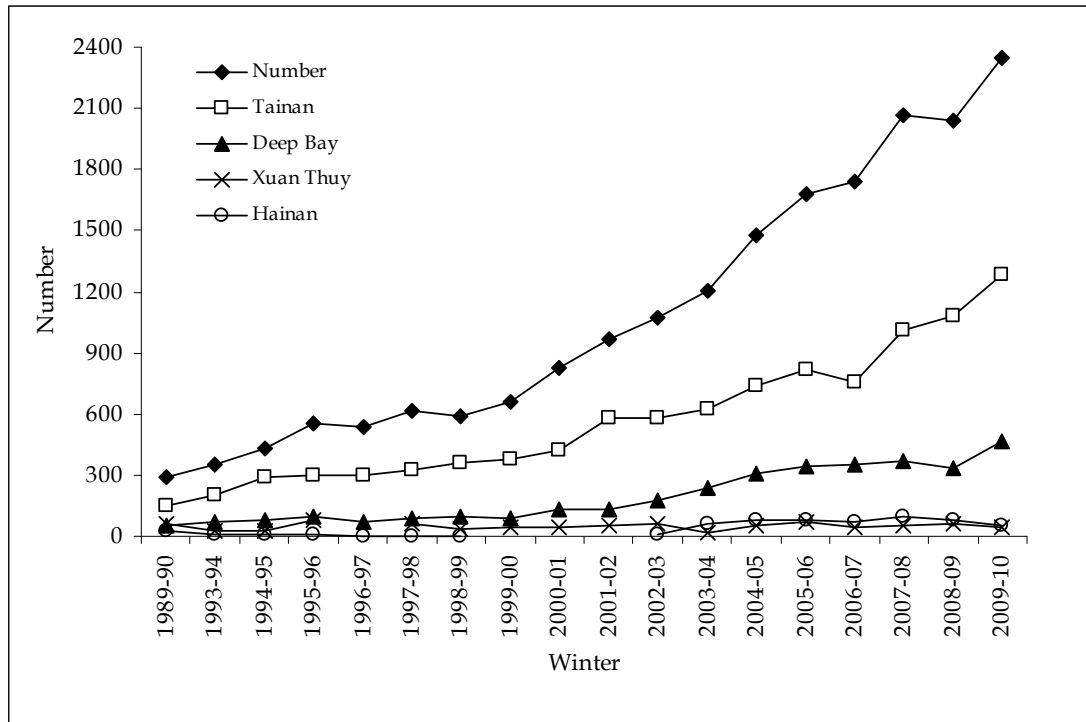


Figure 3. Trends of known Black-faced Spoonbills in the world, in three traditional important congregation sites: Tainan of Taiwan, Deep Bay of Hong Kong and Shenzhen, Red River Delta of Vietnam, and a new site at Hainan Island, China from the international censuses. Numbers were based on a review by Kennerley (1990) and table 3, 4 and 6.

图 3. 比较全球同步普查的已知黑脸琵鹭数量，以及三个重要聚集点（台湾台南、香港深圳后海湾和越南红河口）及海南岛最近发现地点的数量趋势



**The International Black-faced Spoonbill Census  
2010**

**黑脸琵鹭全球同步普查 2010**

**Appendix**  
附录

## Appendix

Appendix 1. Counts in Deep Bay, Hong Kong and Shenzhen during the International Black-faced Spoonbill Census 2010.

附录 1. 2010 年黑脸琵鹭全球同步普查于后海湾(香港及深圳)所获得的结果

### a) Counts on 8 January 2010

Place/Time	1530h	1630h	1730h
Mai Po Nature Reserve and boardwalk	254	283	225
Lok Ma Chau	11	16	56
Nam Sang Wai	33	31	38
Tsim Bei Tsui area, including environs of Wetland Park	43	39	42
'Outer' Deep Bay	6	6	6
Futian	33	24	24
<b>Total</b>	<b>380</b>	<b>399</b>	<b>391</b>

### b) Counts on 9 January 2010

Place/Time	1600h	1700h	1800h
Mai Po Nature Reserve and boardwalk	161	289	207
Lok Ma Chau	65	85	148
Nam Sang Wai	22	0	0
Tsim Bei Tsui area, including environs of Wetland Park	53	55	34
'Outer' Deep Bay	0	0	0
Futian	32	33	20
<b>Total</b>	<b>333</b>	<b>462</b>	<b>409</b>

### c) Counts on 10 January 2010

Place/Time	1615h	1715h	1815h
Mai Po Nature Reserve and boardwalk	119	81	56
Lok Ma Chau	235	277	247
Nam Sang Wai	0	0	1
Tsim Bei Tsui area, including environs of Wetland Park	46	38	41
'Outer' Deep Bay*	0	0	0
Futian	12	12	12
<b>Total</b>	<b>412</b>	<b>408</b>	<b>357</b>