



# The International Black-faced Spoonbill Census: 19-21 January 2007

Yat-tung Yu and Chi-chun Wong

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

Photo by: Lo Kar Man

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*Y.T. Yu*

**The Hong Kong Bird Watching Society Ltd.**  
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黑臉琵鷺全球同步普查：  
2007年1月19至21日

余日東

香港觀鳥會有限公司  
(認可公共性質慈善機構)

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# The International Black-faced Spoonbill Census, 19-21 January 2007

*Y.T. Yu and C.C. Wong*

The Hong Kong Bird Watching Society Ltd

## Abstract

The International Black-faced Spoonbill Census is an annual event to provide a comparable figure to assess the health of the globally endangered Black-faced Spoonbill in terms of its population and distribution. In the 2007 census, which took place during 19-21 January, a total of 1,695 Black-faced Spoonbills were counted, the highest total yet recorded of the species. However, this figure is only 1% higher than in the previous year, a very small increase. As in previous censuses, Tainan (Taiwan) and Deep Bay (Hong Kong and Shenzhen) were the two areas holding the largest congregations of wintering Black-faced Spoonbills in 2007.

## Introduction

Black-faced Spoonbill *Platalea minor* inhabits coastal areas on the eastern fringe of Asia (Hancock *et al.* 1992, del Hoyo *et al.* 1992, Yu and Swennen 2004) and is listed as a globally endangered species (Collar *et al.* 1994, Baillie and Groombridge 1996, BirdLife International 2000) due to its small known population. This species started to attract the attention of conservationists in the early 1990s when fewer than 300 individuals were found at a small number of sites in East Asia (Kennerley 1990). Since then, as a result of natural population expansion and conservation efforts at some sites, its known population has increased, first exceeding 1,000 individuals in January 2003 (Yu 2003) and reaching a new high figure of 1,679 individuals in the census of 2006 (Yu and Wong 2006).

Since 1993, the wintering population of the Black-faced Spoonbills has been assessed by an annual international census. This was a high priority recommendation by Severinghaus *et al.* (1995) and has proved to be an effective and practical means of providing an annual and comparable figure on the population and distribution of wintering Black-faced Spoonbills. The Hong Kong Bird Watching Society, an affiliate of BirdLife International, has coordinated the international census each year since 2003. This report presents the results of the census taken in January 2007.

## **Method**

The census period for the winter of 2006/07 was chosen as 19-21 January 2007. Censuses have always been held in mid-winter because this is the period when the spoonbills are thought to be settled at their main wintering sites. Map 1 shows the area covered by the census and the sites at which spoonbills were found this winter. Surveys were also carried out in areas of suitable habitat where Black-faced Spoonbills have been reported in the past. Technical guidelines were sent to surveyors before the census started. Field counts were done in a synchronized manner with the use of binoculars and telescopes. Some other counts in the mid-winter period are also presented in this report.

Counting of the spoonbills relies on voluntary efforts from counters including experienced bird watchers, conservationists, researchers and ornithologists. The census results in Fujian, Hainan, Hong Kong, Japan, Macao, Taiwan and Vietnam are summarized by coordinators from the respective regions. The counts in South Korea and some parts of the coast of mainland China and the Philippines were carried out by individuals who sent in separate reports.

Counts within the Pearl River Estuary were synchronized since the sites (Mai Po in Hong Kong, Futian in Shenzhen and Taipa in Macao) lie so near one another that spoonbills can easily fly from site to site within a day.

## **Results and discussion**

### **Overview**

The census total in January 2007 was 1,695 Black-faced Spoonbills. Though this is the eighth consecutive year with increasing numbers and the census total is the highest yet for the species (Table 1, Figure 1), it is of some concern that the total is only marginally larger (by 16 birds or 1%) than that of the previous census (1679 birds), representing the lowest rate of increase since the winters 1996-97 and 1998-99 when decreases were noted (table 9).

The biggest increases of Black-faced Spoonbill number occurred in mainland China and Japan where there was a total increase of 75 individuals compared to the previous census. However, this was offset by a drop of 65 individuals counted in Taiwan and Vietnam.

The two areas with the largest concentrations remain Tainan (Taiwan) and Deep Bay (Hong Kong and Shenzhen), respectively holding 44% and 21% of the known world

population.

Coverage was the widest yet - a total of 68 sites were surveyed by all the participants, with spoonbills found at 44 sites (table 1 and 2), compared to totals of 59 sites surveyed in winter 2005-06, 61 sites in winter 2004-05, and 54 sites in winter 2003-04. Given the extent of coverage and the fact that all the major sites were surveyed, it is unlikely that many individuals were missed.

Further details and discussion of numbers and trends in each place are given below.

### **Taiwan**

A total of 790 Black-faced Spoonbills was recorded in Taiwan during the 2007 census. This is a 4% decrease on the figure of 826 individuals recorded in the previous census (table 3). Nevertheless, Taiwan still hosts the largest winter congregations of this species and this year's count from the island constituted 47% of the known world population (figure 2). As in previous years, most spoonbills were found in the Tainan area (including Chi-ku and Sitsao), where a total of 754 Black-faced Spoonbills were recorded. Outside of this area, a few individuals were recorded at localities including Chiayi, Ilan, Kaoshiung and Kinmen (Table 1).

### **Pearl River Estuary : Deep Bay (Hong Kong and Shenzhen) and Taipa (Macao)**

Counts of Black-faced Spoonbills in the Pearl River Delta were conducted synchronously on all three counting days. The peak count was on 20 January when 404 individuals were recorded, of which 320 were on the Hong Kong side of the Deep Bay, 36 were at Futian, Shenzhen and the remaining 48 at Taipa, Macao. This year's count shows a marginal increase of seven birds (2%) compared to the previous census (Table 4). The whole Pearl River Delta area holds a total of 24% of the known world population (Figure 2).

Coverage in the Deep Bay area enclosed by both Hong Kong and Shenzhen was very good on the counting days. Sites surveyed included the Mai Po Inner Deep Bay Ramsar Site, Lok Ma Chau fishponds, the outer Deep Bay inter-tidal area, the Hong Kong Wetland Park and Nam Sang Wai (all in Hong Kong) as well as the Futian National Nature Reserve in Shenzhen. The total count in the Deep Bay area (including both Hong Kong and Shenzhen) constitutes 21% of the world population of Black-faced Spoonbill (Figure 2).

In Macao, there was a small decrease by three birds (6%) compared to the previous year. The wetland for the Black-faced Spoonbills in Macao is diminishing in size as a result

of development for tourism (Table 4).

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

A total of 247 Black-faced Spoonbills were counted elsewhere along the coast of continental China and on Hainan Island (Table 5), comprising 16% of the census total (Figure 2). This is the highest number yet for this area and is 20% up on the previous year's total of 206 birds, thus a considerable increase.

Sites with significant numbers of Black-faced Spoonbills in the previous two censuses were again surveyed in 2007 and found to hold good numbers. Of note were the counts of 72 birds at Haifeng (Guangdong), 66 at Beili Bay, Dongfang (Hainan) and 59 at Xinhua Bay (Fujian), which together constitute 12% of the census total. Smaller numbers were also found at other places, including Yenchang and Nanjiang (Jiangsu), Chongming Dongtan (Shanghai), Xiapu and Xiamen (Fujian) and Lingao (Hainan). The bird at Nanjiang was a rare inland record.

The actual number of the Black-faced Spoonbills present in China mainland and on Hainan Island in winter 2006-07 could be higher than this figure. Two birds were noted at Shankou Nature Reserve, Guangxi in early January but not found during the census period, and a flock of 36 Black-faced Spoonbills present at Chonghua River estuary, Dongfang (Hainan) on 21 January was not added to the census total due to fears of double-counting, 66 birds having been counted the previous day at nearby Beili Bay. Further investigation and synchronous counts are needed in future to provide a more complete figure for this area.

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

A total of 45 Black-faced Spoonbills were recorded in Xuan Thuy in this year's census (Table 1 and 6), which is almost 40% lower than in the previous year and thus indicates a considerable decline. Ha Nam Island was also surveyed but no spoonbills were found.

This count constitutes 2.6% of the census total (Figure 2). Though previously one of three largest wintering sites for Black-faced Spoonbill, Xuan Thuy's importance for the species is declining. Other sites along the south China coast and on Hainan Island are now replacing Xuan Thuy as globally important sites for wintering Black-faced Spoonbills (see the previous section: China mainland and Hainan Island).

### **Japan**

A total of 189 Black-faced Spoonbills were recorded in western Japan and on the

Nasei-shoto Islands (Table 1). This figure, constituting 11% of the known world population (Figure 2), is the highest winter census total yet for this species in Japan (Table 7), up 22% on the previous total. The largest wintering group in Japan was a flock of 32 birds in the area of Kumamoto New Port and Shira-kawa River estuary (Table 1). In addition, two singles were recorded in Ibaragi and Tottori Prefectures, indicating that this species might be expanding to the east on Kyushu Island.

### **Republic of Korea**

A total of 20 Black-faced Spoonbills were recorded during the census at the traditional site on Jeju Island. Hence, at least 1% of the world population is utilizing this site in winter (Figure 2). The number of wintering Black-faced Spoonbills at this site remains relatively stable within a range of 14-29 birds (Table 1 and 8). However, the site is now threatened by a development project in the area involving a marine resort.

There were also reports of 10 Black-faced Spoonbills at the Nakdong River estuary near Busan during the census period and a single bird among a flock of 28 Eurasian Spoonbills *Platalea leucorodia* at Cheonsu Bay, Seosan in January 2007. However, no photographic evidence could be provided to substantiate these records, both at regular wintering sites for the similar Eurasian Spoonbills, and further information is welcome to support the occurrence of Black-faced Spoonbill at these sites in winter.

### **Thailand**

None was reported during the census period, but a single bird was found near Bangkok on 16-23 February 2007 (Table 1). In the past, a few odd birds have occurred in the area of the Gulf of Thailand.

### **[The Philippines]**

There were no reports of Black-faced Spoonbills from the Philippines this winter. Whilst the Philippines are at present peripheral to its main wintering range, with a very few birds recorded, the upward trend in the world population of Black-faced Spoonbill is likely to lead to further records on these islands and indeed elsewhere outside of its normal range. Such reports are very much welcome.

### **Conclusion**

The increase in the world population of Black-faced Spoonbill, as indicated by the census of January 2007, is relatively insignificant in comparison to the strong increases shown in the previous seven censuses. This year's increase of just 1% compares to an

average year on year increase of about 14% (Table 9) since the commencement of annual censuses in winter 1993-94. Nevertheless, the census total of 1,695 individuals of this globally endangered species is the highest yet and is encouraging for the conservation of the species.

This census shows that Black-faced Spoonbills still depend on a very small number of sites in winter . The Tainan (Taiwan) and Deep Bay areas (Hong Kong and Shenzhen) together support of 65% of the known world wintering population. The increases of wintering population in China mainland and Japan in the recent censuses provide a hint that more birds would go to other wintering sites. This is a good trend because high congregation to one or a few sites would only make the species susceptible to threats of habitat degradation and destruction, and any avian disease. An intriguing case is the outbreak of avian botulism in winter 2002-03 that killed a total of 73 Black-faced Spoonbills in Taiwan.

In the light of the 2007 census, the 1% population mark for Black-faced Spoonbill is set at 17 individuals. A total of 13 sites held at least 17 birds in the 2007 census and therefore qualified as internationally important sites for the species. These sites are:

- Tsengwen River estuary area, Tainan - 754 birds (44%),
- Deep Bay, Hong Kong and Shenzhen - 356 birds (21%),
- Haifeng, Guangdong - 72 birds (4%),
- Beili Bay, Dongfang, Hainan - 66 birds (4%),
- Xinhua Bay, Fuqian and Putian, Fujian - 59 birds (3.5%),
- Taipa, Macao - 48 birds (3%),
- Xuan Thuy National Park, Red River Delta - 45 birds (3%),
- Kumamoto New Port and Shira-kawa River estuary, Kumamoto - 32 birds (2%),
- Funing Bay, Xiapu, Fujian - 23 birds (1%),
- Kagami River estuary, Kumamoto - 23 birds (1%),
- Imazu-Higata, Fukuoka - 20 birds (1%),
- Manose River estuary, Kagoshima - 20 birds (1%) and
- Seongsanpo and Hado-ri fishponds, Jeju Island - 20 birds (1%).

A flock of 20 Black-faced Spoonbills was also found at Putai, Chiayi (Taiwan), but this site is not a regular wintering site for the spoonbill. Some sites such as the Tataru River estuary, Fukuoka, the Beppu River estuary, Kagoshima and the Bin River, Okinawa (all Japan) held 14 to 15 birds during this census and were therefore close to meeting the 1% criterion.

To conclude, the Black-faced Spoonbill's population is recovering from the very low figure of the late 1980s to reach over 1,600 individuals in the winter censuses of 2006 and 2007. Such increases are encouraging, but there is still a long way to go before the species can be considered safe from extinction. A large proportion of the population still depends on a very small number of coastal sites in the East Asia region. The major risks to the spoonbill are pressure from development leading to habitat destruction and degradation.

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# 黑臉琵鷺全球同步普查： 2007年1月19至21日

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(認可公共性質慈善機構)

## 撮要

2007年度黑臉琵鷺全球同步普查於1月19至21日期間進行。有關普查共錄得1,695隻黑臉琵鷺，創歷年的新高，但與上年度的數字比較，增幅只有百分之一。最大的越冬種群仍是集中於台灣台南一帶和香港、深圳前海灣濕地。

## 引言

黑臉琵鷺 *Platylea minor* 棲息於東亞沿海地區(Hancock *et al.* 1992, del Hoyo *et al.* 1992, Yu and Swennen 2004)。1990年代初，黑臉琵鷺的全球已知數量只有數百隻(Kennerley 1990, Dahmer and Felley 2000)，因而列入全球受脅鳥種名單(Collar *et al.* 1994, Baillie and Groombridge 1996, BirdLife International 2000)，從此在保育方面受到廣泛關注。黑臉琵鷺的種群在2003年1月上升至超過1,000隻(Yu 2003)，於2006年更多達1,679隻(Yu and Wong 2006)。

自從1993年開始，每年都有進行全球同步普查，以評估黑臉琵鷺的越冬種群狀況。這項普查並被劉小如等(1995)列入為優先保育次序。現時這項調查已證實為有效和實用的工具，提供越冬黑臉琵鷺數量和分佈資料。國際鳥盟支會香港觀鳥會於2003年起開始統籌是項全球同步普查。本報告會詳述2007年一月所進行的普查結果。

## 普查方法

普查於2007年1月19至21日一連三天進行。日期選擇於1月的原因是琵鷺數量於冬季中期較為穩定。地圖1顯示全球同步普查的進行地點。選擇這些地點的原因是它們過去有黑臉琵鷺的紀錄。在普查之前，本會向各參與者提供普查指引作為技術基礎。普查以同步方式，利用雙筒和單筒望遠鏡進行。這報告也包括一些普查期間以外的點算數目。

琵鷺普查有賴各地資深觀鳥者、研究員和鳥類學家共同義務合作。福建、海南島、香港、日本、澳門、台灣和越南的普查結果由當地的統籌員收集和整理。韓國、中國大陸其他地方和菲律賓，則由個別人士提交紀錄。

有些地區距離咫尺，例如香港米埔、深圳福田和澳門路環，都是位於華南珠江河口地區，琵鷺可於一天內飛達這幾個地點。因此，這些地點的點算工作需要同步進行。

## 結果及討論

### 綜觀

2007 年普查期間共錄得 1,695 隻黑臉琵鷺，這是新高數字(表 1，圖 1)，但較 2006 年普查所得的 1,679 隻僅多了 16 隻或 1% 的上升，這個升幅是眾多年普查中最輕微的。除了在 1996-97 冬季和 1998-99 冬季年(表 9)有輕微下降外，這是連續八年有上升趨勢。

中國大陸和日本同共錄得比上年多 75 隻黑臉琵鷺，升幅較其他地區為大。而台灣和越南則較上年一共少了 65 隻。台灣台南和珠江三角洲(香港、澳門和深圳)仍是兩大越冬地，分別佔全球總數 44% 和 21%。以下是每個地區的詳盡資料和分析。

參與是次黑臉琵鷺全球同步普查的人員共考察了 68 個調查地點，其中 44 個有黑臉琵鷺紀錄(見表 1 和表 2)。調查的覆蓋範圍是歷年最多的(2005-06 年冬：59 個，2004-05 年冬：61 個，2003-04 年冬：54 個)，但越冬種群的總數卻沒有明顯增加。由於所有重要的渡冬地都已經覆蓋，漏數一些琵鷺的機會不大。以下是關於各地黑臉琵鷺越冬地數量及趨勢的討論。

### 台灣

在 2007 年普查中，台灣共錄得 790 隻黑臉琵鷺。這個數目較上年 826 隻下降了百分之四(見表三)。即使如此，台灣仍是最大的越冬地，佔全球已知總數的 47%(見圖 2)。754 隻琵鷺是在台南地區錄得，包括七股和四草。其他的少數則分別於嘉義、宜蘭、高雄及金門等地區錄得(見表 1)。

### 珠江河口(包括香港和深圳的后海灣，以及澳門氹仔路環)

珠江河口的黑臉琵鷺普查是以同步方式進行，在 1 月 20 日，有最多的 404 隻記錄，當中的 320 隻是香港后海灣地區，36 隻於福田和深圳，澳門氹仔路環則有 48 隻。較上年只是略多七隻或 2% 的升幅(見表 4)，但仍佔全球已知的數目達百分之二十四(見圖 2)。

香港和深圳兩地的普查覆蓋範圍相當高，包括米埔內后海灣國際重要濕地、落馬洲魚塘區、外后海灣潮澗帶(流浮山至稔灣)，天水圍香港濕地公園、以及福田國家級自然保護區。后海灣(包括香港和深圳)的總數佔全球黑臉琵鷺 21%(見圖 2)。

澳門的數目較 2006 年減少了三隻或 6%，但該處的濕地卻因為發展旅遊而續漸消失(見表 4)。

## 中國大陸和海南島

今年在中國大陸和海南島共錄得 247 隻琵鷺(見表 5)，佔全球已知種群 16%(見圖 2)。這除了是一個新高數目，亦較前年 206 隻有高達 20%增幅。

在前兩次普查發現中國大陸沿海的主要越冬地，今年仍有不少的黑臉琵鷺：廣東海豐 72 隻，海南東方北黎灣 66 隻，福建興化灣 59 隻。這三個地點的總數佔全球已知數量 12%。除此，少量的黑臉琵鷺亦在普查期間出現於其他地點，包括江蘇鹽城和南京（罕有的內陸紀錄）、上海崇明東灘、福建霞浦和廈門、海南臨高。

在 2006-07 年冬季，中國大陸和海南島的黑臉琵鷺實際數字可能更高。一月初在廣西山口有兩隻琵鷺的紀錄，但在普查當天卻不見了。在一月二十一日，海南東方昌化河有一群 36 隻的黑臉琵鷺，接近該地的北黎灣卻於一月二十日進行調查。在未來，這兩個區域有需要進行更多或同步的調查，以確定數位的全面性。

## 越南紅河口

春水國家公園是越南最大的黑臉琵鷺越冬地，今年共錄 45 隻琵鷺，較上年有近四成的下降(表 1 及表 6)。哈南島亦有進行普查，但沒有發現黑臉琵鷺。

春水國家公園曾是黑臉琵鷺的第三大越冬地，在是次的普查中佔全球已知總數 2.6%，重要性明顯下降。現在南中國和海南島已取代春水為第三大越冬地點（見中國大陸及海南島一段）。

## 日本

日本西面和西南群島共錄得 189 隻琵鷺(表 1)，這個數目佔全球 11%(圖 2)，較上年有 22%的升幅，亦創歷史新高(表 7)。最大的群落是位於九州島熊本縣新港和白川水源河口(表 1)，另有兩個單獨黑臉琵鷺於茨城縣和鳥取縣的紀錄，顯示琵鷺在九州島有向東面擴展的趨勢。

## 韓國

是次普查在濟州島錄得 20 隻琵鷺，全球最少有 1%琵鷺利用該島越冬(圖 2)。琵鷺的數目由 14 至 29 隻，多年來相對穩定(表 1 和 8)。但該地正面臨發展渡假村的威脅。

釜山洛東江河口在普查期間有 10 隻黑臉琵鷺出現的報告，而在 2007 年一月，瑞山有一群 28 隻的白琵鷺和一隻黑臉琵鷺的紀錄。但由於沒有相片的證實，這些報告仍存疑。兩個地點都是白琵鷺的經常越冬地，因此希望未來可以收集更多資料以資確定。

## 泰國

普查期間在泰國沒有琵鷺紀錄，但有一隻曾於 2007 年 2 月 16-23 日間，在曼谷附近被發現。過去，曾有數個單獨個體在泰國灣內的紀錄。

## [菲律賓]

今年冬季沒有黑臉琵鷺的報告。菲律賓位處琵鷺越冬地之外，過去亦很少錄得琵鷺出現。近年全球數量增加，在正常範圍之外錄得琵鷺的機會亦增加。期望未來可以在這些地區取得紀錄。

## 總結

這次普查結果顯示黑臉琵鷺數目輕微上升，但對於這個全球瀕危的品種，1,695 隻仍是歷史新高。自 1993 年開始的普查，全球總數每年平均都有約 14% 的升幅 (表 9)，即使升勢放緩，對所作的保育工作，仍是一種鼓勵。

是次普查顯示黑臉琵鷺仍然依賴數個主要越冬地，台灣台南地區及香港和深圳的后海灣佔整個越冬種群 65%。最近，在中國大陸和日本數量的增加，可能顯示有更多黑臉琵鷺會到其他越冬地。這是一個很好的趨勢，因為過度集中會很容易受到生態環境質素下降和破壞或傳染病等的威脅。並在這次普查超過 1,600 隻，總數的平均增長為 15% (表 9)。是項增長率能幫助這個種群在 1990 年初仍是數量稀少的情況恢復過來，為拯救這全球瀕危物種遠離滅絕起著鼓舞的作用。2002-03 年冬天，在台灣便有 73 隻黑臉琵鷺死於鳥類的肉毒桿菌。

以下列出十三個重要的越冬棲息地，數目不少於全球已知總數的 1% (即 17 隻)，包括：

- 台灣台南曾文溪口，包括七股及四草 - 754 隻 (44%)，
- 香港和深圳后海灣 - 356 隻 (21%)，
- 廣東海豐- 72 隻 (4%)
- 海南島東方北黎灣- 66 隻 (4%)，
- 福建興化灣- 59 隻 (3.5%)，
- 澳門氹仔路環 - 51 隻 (3%)，

- 越南紅河口春水國家公園 - 45 只 (3%),
- 日本九州島熊本縣新港和白川水源河口- 32 只(2%),
- 中國大陸福建霞浦 - 23 只 (1%),
- 日本九州島鏡川河口- 23 只 (1%),
- 日本福岡縣今津幹鳥 - 20 只 (1%),
- 日本鹿兒島萬之瀨川河口- 20 只 (1%),
- 韓國濟州島城山浦及 Hado-ri 漁塘- 20 只 (1%)。

台灣嘉義縣布袋鎮有一群 20 隻黑臉琵鷺的紀錄，但該地並非一個傳統的越冬地點。某些地點有 14 到 15 隻的紀錄如福岡縣多多良川河口、鹿兒島別府川河口和沖繩保榮茂幹鳥，非常接近 1%的指標。

黑臉琵鷺種群數目已由八十年代的低位，回升至近年 1,600 隻的水準，但這並非代表琵鷺脫離瀕危絕種的危機。大部份數目仍依賴數個位於東亞沿海的地區，而這些地區正是全球經濟發展的重要位置，生境地的破壞和變差還是很大的威脅。

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19 – 21 January 2007**

**黑臉琵鷺全球同步普查: 2007年1月19至21日**

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**Map  
地圖**

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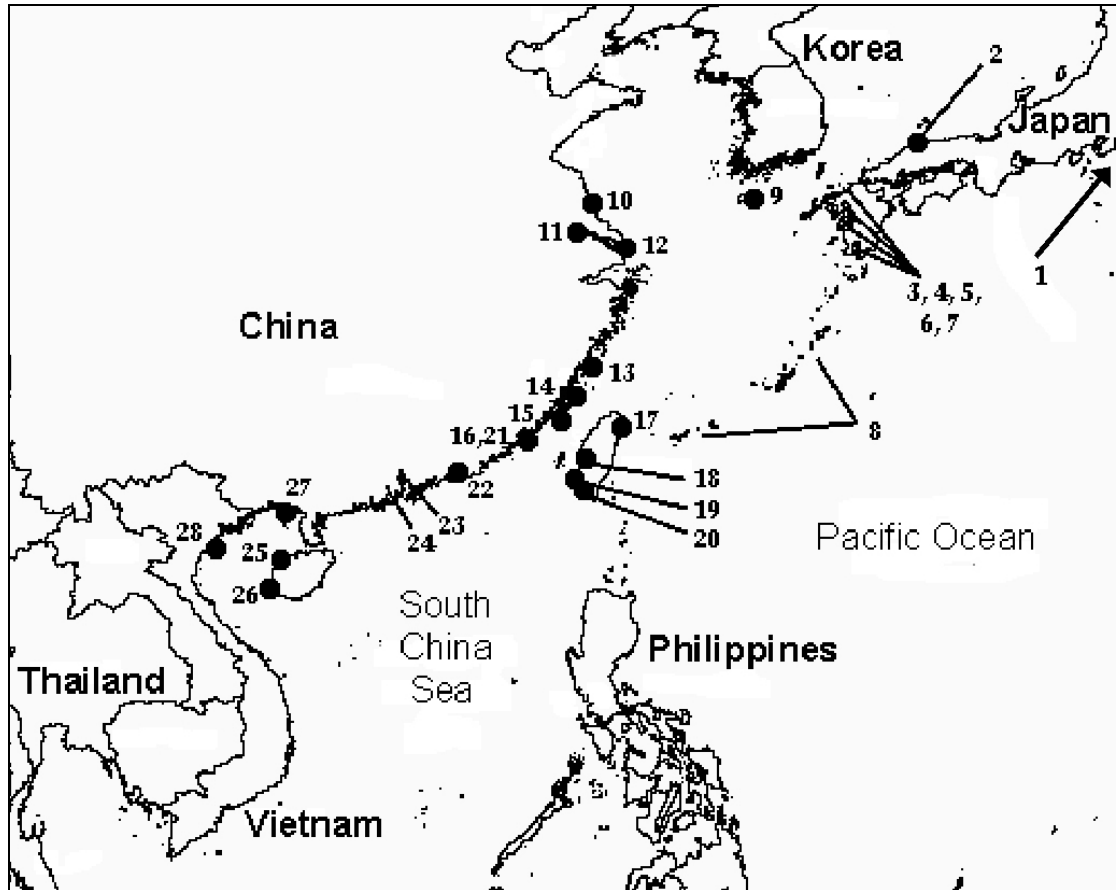


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Map 1. Locations of wintering Black-faced Spoonbills, winter 2006-07. 1) Ibaraki, Japan; 2) Tottri, Japan; 3) Fukuoka, Japan; 4) Saga, Japan; 5) Kumamoto, Japan; 6) Kagoshima, Japan; 7) Miyazaki, Japan; 8) Nansei-shoto Islands, Japan; 9) Jeju Island, Republic of Korea; 10) Yenchang, Jiangsu; 11) Nanjiang, Jiangsu; 12) Chongming Dongtian, Shanghai; 13) Xiapu, Fujian; 14) Fuzhou, Fujian; 15) Xinhua Bay, Fuqing and Putian, Fujian 16) Xiamen, Fujian; 17) Ilan, Taiwan; 18) Chiayi, Taiwan; 19) Chi-ku and Sitsao, Taiwan; 20) Kaoshiung, Taiwan; 21) Kinmen, Taiwan; 22) Haifeng, Guangdong; 23) Deep Bay, Hong Kong and Shenzhen, 24) Taipa, Macao; 25) Lingao, Hainan; 26) Dongfang, Hainan; 27) Shankou, Guangxi; 28) Xuan Thuy, Vietnam.

地圖 1. 2007 年黑臉琵鷺全球同步普查地點: 1) 日本茨城縣; 2) 日本鳥取縣; 3) 日本福岡縣; 4) 日本佐賀縣; 5) 日本熊本縣; 6) 日本鹿兒島; 7) 日本宮崎縣; 8) 日本西南群島; 9) 韓國濟州島; 10) 江蘇鹽城; 11) 江蘇南京; 12) 上海崇明東灘; 13) 福建霞浦; 14) 福建福州; 15) 福建興化灣(福清和莆田); 16) 福建廈門 17) 台灣宜蘭; 18) 台灣嘉義; 19) 台灣台南(七股和四草); 20) 台灣高雄; 21) 台灣金門; 22) 廣東海豐; 23) 香港和深圳前海灣, 24) 澳門路環; 25) 海南臨高; 26) 海南東方; 27) 廣西山口; 28) 越南紅河口春水。

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**The International Black-faced Spoonbill Census,  
19 – 21 January 2007**

**黑臉琵鷺全球同步普查: 2007年1月19至21日**

**Tables**

圖表

Organized by:



The Hong Kong Bird  
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Asia Division

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Table 1. Numbers of Black-faced Spoonbill at different locations in East Asia, winter 2006-07.  
Numbers in parenthesis have not been added to the census total.

表 1. 2006-07 年冬季東亞各地的黑臉琵鷺數量

Region 地區	Location 地點	Date 日期	Number 數量	Reported by 普查員 / 記錄者
China mainland 中國大陸	Yenchang, Jiangsu 江蘇 鹽城	19-21 Jan 1 月 19 至 21 日	5	Wang Hui 王會
China mainland 中國大陸	Nanjiang, Jiangsu 江蘇 南京	21 Jan 1 月 21 日	1	Lei Ming, Fan Ming, Sheng Kai, Jiangsu BWS 雷銘, 范明, 勝凱 江蘇 觀鳥會
China mainland 中國大陸	Chongming Dongtan, Shanghai 上海 崇明東灘	20 Jan 1 月 20 日	9	Choi Chi-yeung and Gan Xiaojing, Hua Ning and Judit Mateos 蔡志揚, 干曉靜, 華寧
China mainland 中國大陸	Funing Bay, Xiapu, Fujian 福建 霞浦 福寧灣	19-21 Jan 1 月 19 至 21 日	23	Yao Yong, Xiapu Forestry Bureau 姚勇, 霞浦林業局
China mainland 中國大陸	Minjiang estuary, Fuzhou, Fujian 福建 福州 閩江口	19-21 Jan 1 月 19 至 21 日	2	Fujian Bird Watching Society 福建觀鳥會
China mainland 中國大陸	Xinhua Bay, Fuqian, Fujian 福建 福清 興化灣	19-21 Jan 1 月 19 至 21 日	28	Fujian Bird Watching Society 福建觀鳥會
China mainland 中國大陸	Xinhua Bay, Putian, Fujian 福建 莆田 興化灣	19-21 Jan 1 月 19 至 21 日	31	Fujian Bird Watching Society and Putian Bird Watching Society 福建 觀鳥會及莆田觀鳥會
China mainland 中國大陸	Xiamen, Fujian 福建 廈門	19-21 Jan 1 月 19 至 21 日	2	Xiamen Bird Watching Society 廈門觀鳥會
China mainland 中國大陸	Haifeng, Guangdong 廣東 海豐	19-21 Jan 1 月 19-21 日	72	Zeng Xianwu, Lin Xiuqian, Zhong Zhiqiang, Li Yao, Xie Zhaoyi, Xie Shoumain, Chen Junteng, Chen Shirong 曾向武, 林秀監, 鍾志 強, 李堯, 謝昭毅, 謝首 冕, 陳俊騰, 陳施容
China mainland 中國大陸	Shankou Nature Reserve, Beihai, Guangxi 廣西 北海 山口自然保護區	Early January 一月初	(2)	Li Xin, Li Yang via Jiang Aiwu 李鑫, 李陽經蔣愛伍
China mainland 中國大陸	Houshui Bay, Lingao, Hainan 海南省 臨高 後水灣	19 Jan 1 月 19 日	8	Liang Wei, Lu Gang, Su Wenba, Lee Kwok Shing 梁偉, 盧剛, 蘇文拔, 李 國誠
China mainland 中國大陸	Beili Bay, Dongfang, Hainan 海南省 東方 北黎灣	20 Jan 1 月 20 日	66	Liang Wei, Lu Gang, Su Wenba, Lee Kwok Shing 梁偉, 盧剛, 蘇文拔, 李 國誠
China mainland	Changhua River estuary, Dongfang, Hainan	21 Jan 1 月 21 日	(36)*	Liang Wei, Lu Gang, Su Wenba, Lee Kwok

中國大陸	海南省 東方 昌化江口			Shing 梁偉, 盧剛, 蘇文拔, 李 國誠
Hong Kong and Shenzhen 香港和深圳	Deep Bay, including Mai Po, Hong Kong and Futian, Shenzhen 后海灣、包括香港米埔及深圳福田	19-21 Jan 1月19日至21日	356	Asia Ecological Consultants Ltd, Agriculture, Fisheries and Conservation Department, Hong Kong Bird Watching Society and Shenzhen Bird Watching Society 亞洲生態環境顧問公 司、漁農自然護理署、 香港觀鳥會及深圳市觀 鳥協會
Macao 澳門	Taipa 氹仔	19-21 Jan 1月19日至21日	48	Leung Va, Silvia Choi 梁華及蔡靜亞
Taiwan 台灣	Chiku, Tainan 台南 七股	21 Jan 1月21日	441	Black-faced Spoonbill Conservation Association, 黑臉琵鷺保育協會
Taiwan 台灣	Sitsao, Tainan 台南 四草	21 Jan 1月21日	313	Wild Bird Society of Tainan 台南野鳥學會
Taiwan 台灣	Putai, Chiayi 嘉義 布袋	21 Jan 1月20日	20	Pan Chih-yuan 潘致遠
Taiwan 台灣	Weng-di, Ilan 宜蘭 塭底	20 Jan 1月20日	7	Wang Pei-chih 王佩芝
Taiwan 台灣	Kaoping Estuary, Kaoshiung 高雄 高屏河口	20 Jan 1月20日	5	Hung Fu-long 洪福龍
Taiwan 台灣	Tsi-hu lake, Kinmen 慈湖 金門	19 Jan 1月19日	4	Hu Fu-long, 洪福龍
Vietnam 越南	Red River Delta, Xuan Thuy National Park 紅河口 春水國家公園	20 Jan 1月20日	45	Nguyen Duc Tu.
Japan 日本	Honshu: Ibaraki Pref., Chohshi Port 本州島 茨城縣 銚子港	19 Jan	1	Hiroo Itaya via Mutsuyuki Ueta
Japan 日本	Honshu: Tottori Pref., Yonago Waterbirds Sanctuary 本州島 鳥取縣 米子水鳥保護區	January 1月	1	Kaname Kamiya, Keisuke Kirihara via Yonago Waterbirds Sanctuary
Japan 日本	Kyushu: Fukuoka Pref., Imazu-Higata (tidal flat) 九州島 福岡縣 今津幹島	21 Jan 1月21日	20	Hiroto Okabe via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉 琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Artificial Island reclamation at Wajiro, Fukuoka City 九州島 福岡縣 人工島埋立地	21 Jan 1月21日	9	Takuro Hattori, Seiji Yamazaki via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉 琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Wajiro tidal flat, Fukuoka City 九州島 福岡縣 和白乾島	21 Jan 1月21日	2	Masataka Hanada via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉 琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Tatara River estuary	21 Jan 1月21日	15	Tomoki Okida via Yasuhiro Yamada

	九州島 福岡縣 多多良川河口			and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Gan-no-su 九州島 福岡縣 雁之巢	21 Jan 1 月 21 日	2	Masataka Hanada via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Tsuyazaki Irie 九州島 福岡縣 津屋崎町	21 Jan 1 月 21 日	1	Kimiko Hohno via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Izumi River estuary 九州島 福岡縣 今津幹島	21 Jan 1 月 21 日	6	Satoru Matsumoto via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Saga Pref., Daijugurami 九州島 佐賀縣 大授搦	21 Jan 1 月 21 日	1	Yasuo Miyazaki via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Saga Pref., Shingomori 九州島 佐賀縣 新籠	21 Jan 1 月 21 日	3	Yasuo Miyazaki via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Saga Pref., Ariake reclaimed land 九州島 佐賀縣 有明海圍墾地	21 Jan 1 月 21 日	3	Yasuo Miyazaki via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Kumamoto New Port & Shira-kawa River estuary 九州島 熊本縣 新港, 白川河口	20 Jan 1 月 20 日	32	Minoru Beppu, Yoshinobu Inoue, Kazunori Yamamoto, via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Hi-kawa River estuary 九州島 熊本縣 氷川河口	20 Jan 1 月 20 日	4	Kenzaburo Inoue, Youichi Kawashima, Kazuharu Matsumoto, Tadashi Nakao via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Kagami River estuary 九州島 熊本縣 鏡川河口	20 Jan 1 月 20 日	23	Hiromi Kashio, Kenko Kashio, Shigeki Takano, Fukiko Yoshida via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan	Kyushu: Kumamoto Pref.,	20 Jan	9	Shiori Asai, Masahiro

日本	Mae/Kuma River estuary 九州島 熊本縣 前川/球磨河口	1月20日		Etoh via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Miyazaki Pref., Hitotsuse River estuary 九州島 宮崎縣 一瀨川河口	21 Jan 1月21日	7	Hiroko Yamaguchi, Hiroshi Yamaguchi via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kagoshima Pref., Beppu River estuary 九州島 鹿兒島 別府川河口	21 Jan 1月21日	15	Keiko Miyano via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kagoshima Pref., Manose River estuary 九州島 鹿兒島 萬之瀨川河口	21 Jan 1月21日	20	Hiroshi Kukita, Tsukasa Kamimura, Satoru Sakurai via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Toyosaki – tidal flat, Bin River estuary 西南群島：沖繩縣 保榮茂幹島	21 Jan 1月21日	14	Kohzou Hashimoto, Takaaki Nakamoto, Kamenobu Ooshiro, Kohji Shinjoh, Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Nagura Amparu, Ishigakijima- Island 西南群島：沖繩縣 石垣島	21 Jan 1月21日	1	Kiyitaka Sano Via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Republic of Korea 韓國	Seongsanpo and Hado-ri fishponds, Jeju 濟州 城山浦及Hado-ri 漁塘	19-21 Jan 1月19至21日	20	Choi Chang-yong
Thailand 泰國	Ladkrabang, Bangkok 曼谷	16-23 Feb 2月16至23日	(1)	Chaiwat Chinuparawat via David Li
<b>Total</b>			<b>1695(39)</b>	

\* A count of 36 Black-faced Spoonbills recorded at Chunghua River on 21 January, which might have involved part of the flock of 66 recorded at Beili Bay the previous day, was not added to the census total.



Table 2. Sites visited with no Black-faced Spoonbills recorded during the census or around the time of the census.

表 2. 全球同步普查期間曾進行調查但未有錄得黑臉琵鷺的地方

Region 地區	Location 地點	Date 日期	Reported by 普查員 / 記錄者
China mainland 中國大陸	Dongting Hu, Hunan 湖南 洞庭湖	21-21 Jan 1 月 20-21 日	Yu Haiyan, 虞海燕
China mainland 中國大陸	Panyu, Guangzhou, Guangdong 廣東 廣州 番禺	21 Jan 1 月 21 日	Guan Guangwen, Lei Jinyu, Xie Mingjun, Le Weiqiang, Fu Haizhen 關廣文、雷進宇、謝名軍、 樂偉強、付海真
China mainland 中國大陸	Shantou, Guangdong 廣東 汕頭	20-21 Jan 1 月 20 至 21 日	Zhang Kanghua, Wang Xiaolan 張康華、王曉蘭
China mainland 中國大陸	Shankou Nature Reserve, Beihai, Guangxi 廣西 北海 山口自然保護區	20 Jan 1 月 20 日	Li Xin, Li Yang via Jiang Aiwu 李鑫, 李陽經蔣愛伍
China mainland 中國大陸	Beilun Nature Reserve, Fangchenggang, Guangxi 廣西 防城港 北侖河口自然保護區	21 Jan 1 月 21 日	Jiang Aiwu, Peng Jian, Cai Jiangfan, Su Bo 蔣愛伍, 彭堅, 蔡江帆, 蘇 博
China mainland 中國大陸	Dongzhaigong Nature Reserve, Hainan 海南 東寨港自然保護區	19 Jan 1 月 19 日	Liang Wei, Lu Gang, Su Wenba, Lee Kwok Shing 梁偉, 盧剛, 蘇文拔, 李國 誠
Japan 日本	Kyushu: Tokyo Pref., Kasai Rinkai Park	20 Jan 1 月 20 日	Tadamasa Nakamura via Centre for Ecological Education
Japan 日本	Kyushu: Fukuoka Pref., Sone tidal flat 九州島 福岡縣 島根幹島	21 Jan 1 月 21 日	Osamu Hayashi via Yasuhiro Yamada and Japan BFS Network 山田泰広及日本黑臉琵鷺 網路
Japan 日本	Kyushu: Fukuoka Pref., Fukuryu-ike Pond 九州島 福岡縣 伏龍池	21 Jan 1 月 21 日	Satoru Matsumoto via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Kyoichou-ike Pond 九州島 福岡縣 駕與丁池	21 Jan 1 月 21 日	Chiaki Nakahara via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Japan 日本	Kyushu: Fukuoka Pref., Katakuri Pond 九州島 福岡縣 片栗池	21 Jan 1 月 21 日	Satoru Matsumoto via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Japan 日本	Kyushu: Nagasaki Pref., inside the embarkment of Isahaya Bay 九州島 長崎縣 諫早幹拓地	21 Jan 1 月 21 日	Reiko Fukushima via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Japan 日本	Kyushu: Saga Pref., Hayatsue River estuary	21 Jan 1 月 21 日	Mitsunori Tsuchiya via Yasuhiro Yamada and

	九州島 佐賀縣 早津江河口		Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Arao coast 九州島 熊本縣 荒尾海岸	20 Jan 1 月 20 日	Seizaburoou Yasuo and Yukinori Takeshita via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Kikuchi River estuary 九州島 熊本縣 菊池川河口	20 Jan 1 月 20 日	Hiroshi Mitsunaga, Hiroyuki Arima and Naoko Akasaka via Yasuhiro Yamada and Japan BFS Network 山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Ezu lake 九州島 熊本縣 江津湖	20 Jan 1 月 20 日	Shin-ichi Tagawa, Satomi Sakaguchi, Katsutoshi Sakaguchi via Yasuhiro Yamada and Japan BFS Network 山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., Midori River estuary 九州島 熊本縣 綠川河口	20 Jan 1 月 20 日	Junichi Maeda, Sakiko Honda, Mitsuko Takahashi, Hajime Shiraishi via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Kyushu: Kumamoto Pref., estuaries of Ohno River & Suna River 九州島 熊本縣 大野川及砂川河口	20 Jan 1 月 20 日	Ken-chi Shiraishi, Naoko Takayama, Syouko Nakahara, Yasuko Kano, Toshiyuki Nakazono, Atuto Hamasuna and Saori Hamasuna via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Tomigusuku, Yone-Shankaku-ike Pond 西南群島：沖繩縣 與根三角池	21 Jan 1 月 21 日	Kamenobu Ooshiro, Takaaki Nakamoto, Kohji Shinjoh via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Gushi Tidal flat 西南群島：沖繩縣 具志灘塗	21 Jan 1 月 21 日	Kamenobu Ooshiro, Takaaki Nakamoto, Kohji Shinjoh via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Manko 西南群島：沖繩縣 漫湖	21 Jan 1 月 21 日	Satoko Nakai via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵鷺網路
Japan	Nansei-shoto Islands: Okinawa Pref.,	21 Jan	Masakuni Yamashiro via

日本	Awase River estuary 西南群島：沖繩縣 泡瀨幹島	1月21日	Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Japan 日本	Nansei-shoto Islands: Okinawa Pref., Teruma 西南群島：沖繩縣 照間	21 Jan 1月21日	Michio Kinjoh via Yasuhiro Yamada and Japan BFS Network 經山田泰広及日本黑臉琵 鷺網路
Vietnam 越南	Ha Nam Island, Yen Hung District, Quang Ninh Province 廣甯省 安興縣 河南島	21 Jan 1月21日	Peter Bijimaker, Toon de Bruin and Ha Quy Quynh (via Nguyen Duc Tu)

Table 3. Number of Black-faced Spoonbills in Taiwan during the international censuses 1989-90 to 2007.

表 3. 全球同步普查期間在台灣錄得的黑臉琵鷺數量

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

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Total	427	582	580*	632	757	826	790

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

Table 4. Number of Black-faced Spoonbills in the Pearl River Estuary during the international censuses 1989-90 to 2007.

表 4. 全球同步普查期間在珠江河口錄得的黑臉琵鷺數量

Year	89-90	93-94	94-95	95-96	Jan 97	Jan 98	Jan 99	Jan 00
Mai Po	50	70	78	99	69	88	96	90
Futian	nc	nc	nc	nc	32	58	nc	nc
Taipa	6	12	8	10	13	9	12	6
Total	56	82	86	109	114	155	108	96

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Mai Po	135	136	179	238	272	296	320
Futian	42*	3	24	5	39	50	36
Taipa	36	37	46	50	39	51	48
Total	171*	176	249	293	350	397	404

nc = no count, \*Forty-two birds at Futian were not added to the total because counts at Mai Po and Futian were not recorded simultaneously.

Table 5. Number of Black-faced Spoonbills in China Mainland (excluding Futian, Shenzhen) and on Hainan Island during the international censuses 1989-90 to 2007.

表 5. 全球同步普查期間在中國大陸及海南島錄得的黑臉琵鷺數量

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

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Total	72	24	17	91	187	206	247

Table 6. Number of Black-faced Spoonbills in the Red River Delta, Vietnam during the international censuses 1989-90 to 2007.

表 6. 全球同步普查期間在越南紅河口錄得的黑臉琵鷺數量

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

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Total	47	54*	65*	15	56	74	45

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

Table 7. Number of Black-faced Spoonbills in Japan during the international censuses 1989-90 to 2007.

表 7. 全球同步普查期間在日本錄得的黑臉琵鷺數量

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

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Total	87	107	128	149	103 (47)	155	189

Number in parenthesis are of additional birds recorded outside but close to the census period.

Table 8. Number of Black-faced Spoonbills at Jeju Island, Republic of Korea during the international censuses 1989-90 to 2007.

表 8 全球同步普查期間在韓國濟州島錄得的黑臉琵鷺數量

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

Year	Jan 01	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07
Total	21	29	22	23	21	21	20

nc = no count

Table 9. Census totals and percentage increases of Black-faced Spoonbills during the international censuses 1989-90 to 2007.

表 9 全球同步普查的黑臉琵鷺總數及增加的百份比

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

Year	Jan 02	Jan 03	Jan 04	Jan 05	Jan 06	Jan 07	
Total	969	1069	1206	1475	1679	1695	
% increase	17.0	10.3	12.8	22.3	13.8	1.0	Mean (SD): 13.8 (10.1)

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**The International Black-faced Spoonbill Census,  
19 – 21 January 2007**

**黑臉琵鷺全球同步普查: 2007年1月19至21日**

**Figures**

圖片

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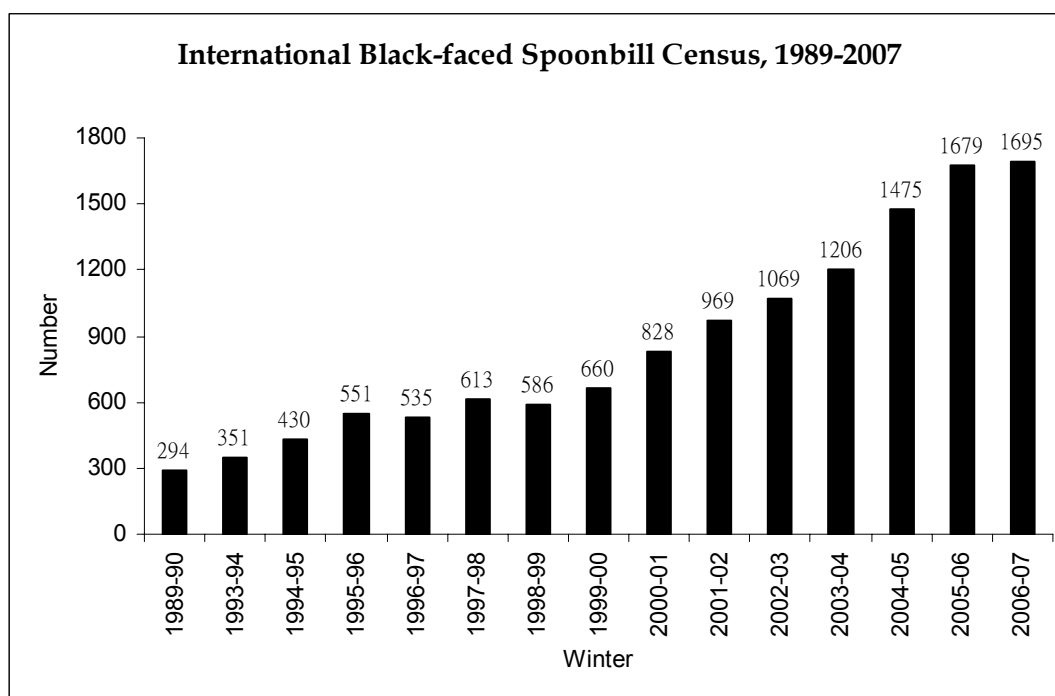


Figure 1 Known winter population sizes of Black-faced Spoonbill: Census totals from winter 1989-90 to 2006-2007.

圖 1. 1989-90 至 2006-07 年冬季已知的黑臉琵鷺數量

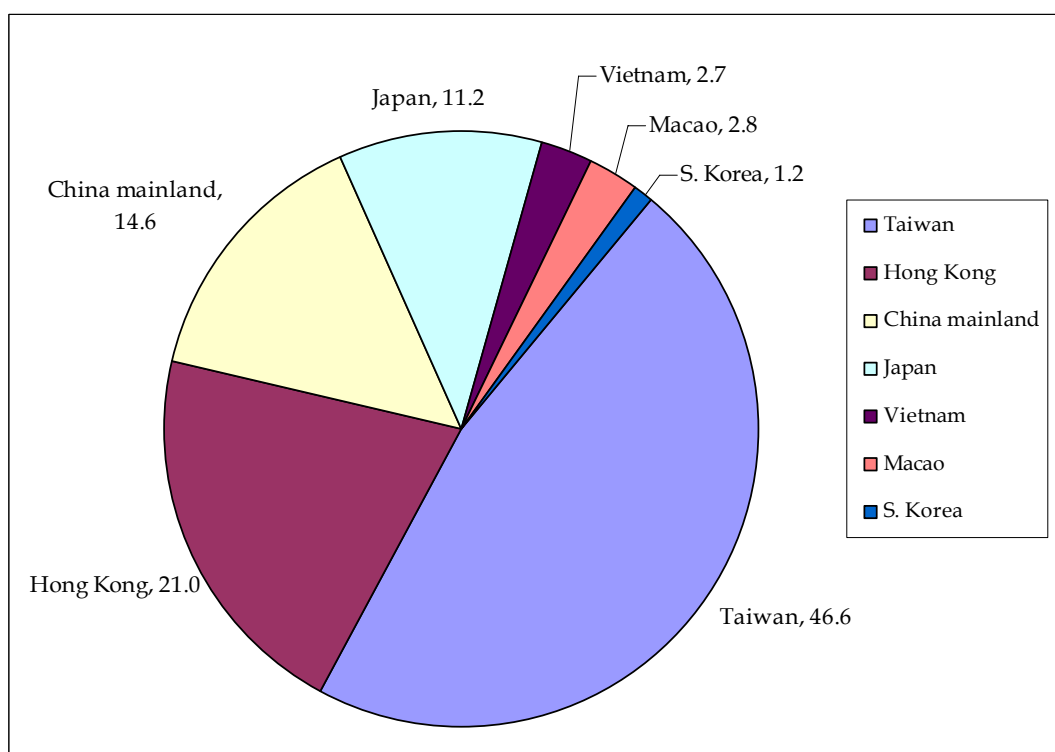


Figure 2. Percentages of Black-faced Spoonbills at the different wintering areas during the 2007 international census.

圖 2. 2007 全球同步普查期間黑臉琵鷺在不同越冬地的全球百分比

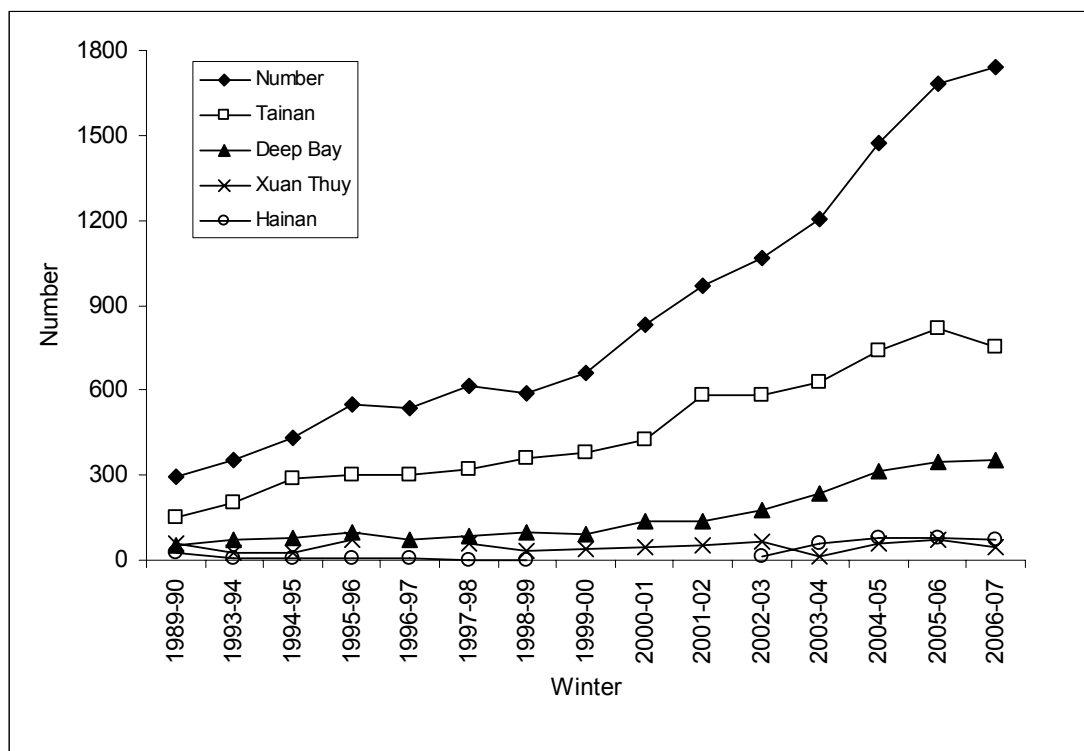


Figure 3. Population trends of Black-faced Spoonbills at three traditional congregation sites, Tainan (Taiwan), Deep Bay (Hong Kong) and the Red River Delta (Vietnam) and also on Hainan Island. [Based on a review in Kennerley (1990) and on Tables 3, 4 and 6].

圖 3. 比較全球同步普查的已知黑臉琵鷺數量，以及三個重要聚集點（台灣台南、香港深圳后海灣和越南紅河口）及海南島最近發現地點的數量趨勢



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**The International Black-faced Spoonbill Census,  
19 – 21 January 2007**

**黑臉琵鷺全球同步普查: 2007 年 1 月 19 至 21 日**

**Appendix**  
附錄

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## Appendix

Appendix 1. Counts in Deep Bay, Hong Kong and Shenzhen during the International Black-faced Spoonbill Census 2007. NC - no count. Counts with asterisk (\*) are not included in the total counts due to involving flying birds.

### a) Counts on 19 January 2007

Place/Time	1100h	1200h	1300h
Mai Po Nature Reserve and boardwalk	201	191	225
Woo Sang Wai	1	0	0
Lok Ma Chau	1	0	0
Nam Sang Wai	4	4	3
Tsim Bei Tsui area, including environs of Wetland Park	10	10	11
'Outer' Deep Bay	0	0	0
Futian	0	13	2
Total	217	218	241

### b) Counts on 20 January 2007

Place/Time	1100h	1200h	1300h
Mai Po Nature Reserve and boardwalk	268	299	309
Woo Sang Wai	0	0	0
Lok Ma Chau	2	2	2
Nam Sang Wai	NC	NC	NC
Tsim Bei Tsui area, including environs of Wetland Park	10	8	8
'Outer' Deep Bay	0	0	1
Futian	34	34	36
Total	314	343	356

### c) Counts on 21 January 2007

Place/Time	1100h	1200h	1300h
Mai Po Nature Reserve and boardwalk	193	223	342
Woo Sang Wai	0	0	1
Lok Ma Chau	64	6	11
Nam Sang Wai	NC	NC	NC
Tsim Bei Tsui area, including environs of Wetland Park	20	17	21
'Outer' Deep Bay*	0	0	0
Futian	47	50	51
Total	324	296	342