

Directory of Important Bird Areas in China (Mainland): Key Sites for Conservation

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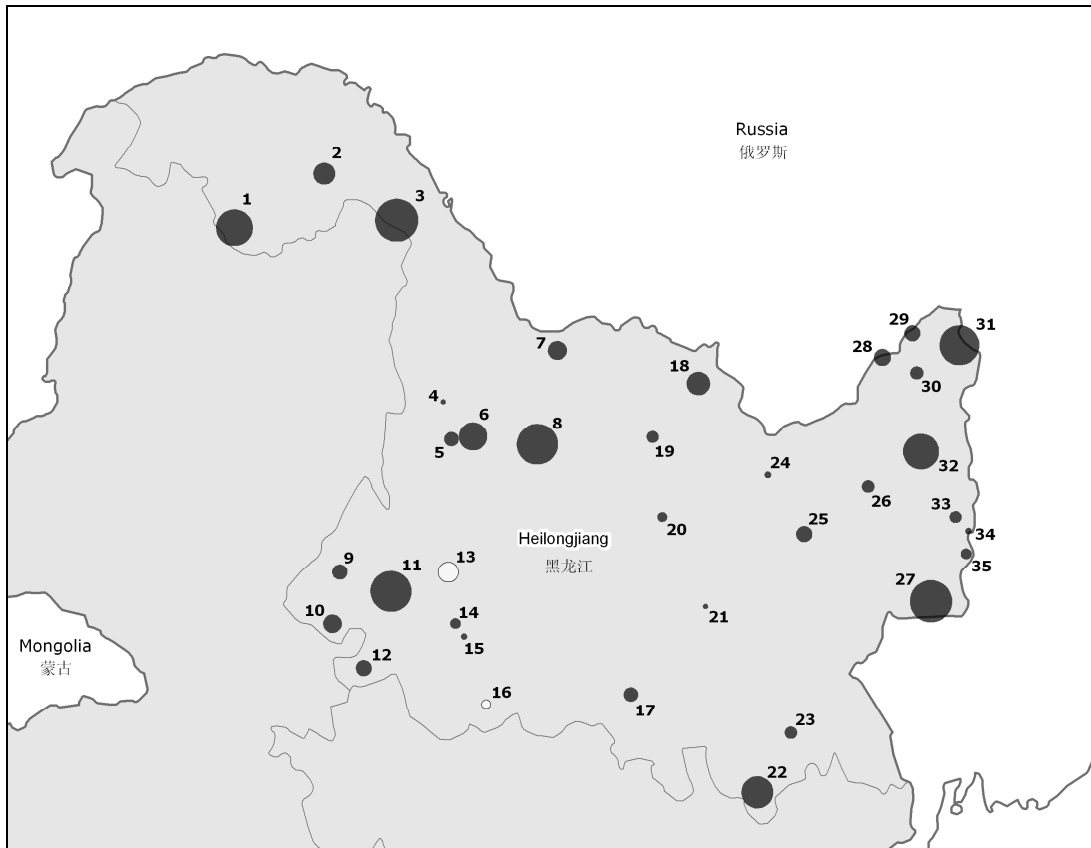
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Important Bird Areas in Heilongjiang Province



IBAs are represented on the map as circles proportional to their areas.

Key: ● = Protected; ◐ = Partially protected; ○ = Unprotected.



The natural wetland landscape at Yanwodao in Naoli He Nature Reserve (CN032), a remnant of the vast wetlands that used to cover this part of the Sanjiang floodplain before large scale development took place. (PHOTO: LI ZHONGQI)

IBA CODE: CN001

NAME: Huzhong Nature Reserve

CRITERIA: A1 A3

AREA: 167,213 ha

COORDINATES: 51°37'N 123°3'E

ALTITUDE: 700-1,528 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1984, and upgraded to Huzhong National Nature Reserve in 1988.

GENERAL DESCRIPTION: Located in Huzhong District of Da Hinggan Ling Region. Huzhong Nature Reserve lies between the main ridge of the Da Hinggan Ling mountains and the north-eastern slope of the Yilehuli Shan mountains, and it is the only nature reserve in the taiga forest zone in China.

THREATENED SPECIES: *Grus leucogeranus* (CR), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Aquila heliaca* (VU), *Grus vipio* (VU)

BIOMES: AS02: Boreal forest (Taiga)

IMPORTANCE TO OTHER FAUNA AND FLORA: There are 56 species of mammals in the reserve, including the nationally protected *Alces alces*, *Gulo gulo* and *Martes zibellina*.

IBA CODE: CN002

NAME: Huma He Nature Reserve

CRITERIA: A1

AREA: 60,000 ha

COORDINATES: 51°58'N 124°52'E

ALTITUDE: 150-1,000 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1982, and upgraded to a national nature reserve in 2004.

GENERAL DESCRIPTION: Located in Huma County. The Huma He is a tributary of the upper Heilongjiang River. The habitats in the IBA include hilly slopes, marshes and floodplains.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Panax ginseng*, *Pinus sylvestris* and *Acanthopanax senticosus*. Animals include *Alces alces*, *Martes zibellina* and *Vulpes vulpes*.

IBA CODE: CN003

NAME: Nanweng He Nature Reserve

CRITERIA: A1

AREA: 229,523 ha

COORDINATES: 51°15'N 125°55'E

ALTITUDE: 370-1,044 m

CONSERVATION STATUS: Applied for provincial-level nature reserve status in 1999, and became a national nature reserve in 2004.

GENERAL DESCRIPTION: Located in Soling District of Da Hinggan Ling Region. Nanweng He Nature Reserve is in a hilly region on the eastern slope of the Da Hinggan Ling mountains, and includes the largest marshes in the Da Hinggan Ling area.

THREATENED SPECIES: *Ciconia boyciana* (EN, two nesting pairs in 1985), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Ketupa blakistoni* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: More than 30 mammal species have been recorded, including *Alces alces*, *Cervus elaphus*, *Felis lynx*, *Ursus arctos* and *Vulpes vulpes*.

IBA CODE: CN004

NAME: Keluo He Nature Reserve

CRITERIA: A1 A4i

AREA: 3,577 ha

COORDINATES: 49°8'N 125°52'E

ALTITUDE: 262-280 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1996, now a city-level nature reserve.

GENERAL DESCRIPTION: Located in Nenjiang County. Keluo He Nature Reserve is in the middle reaches of the Keluo He river, which is a tributary of the Nen Jiang river. It lies in a transition zone between the Xiao Hinggan Ling mountains and the Nen Jiang plains. The area comprises meadows, patches of forest and plantations, and is rich in water plants.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Grus japonensis*; more than 1,000 ducks and geese occur in the spring.

IMPORTANCE TO OTHER FAUNA AND FLORA: Thirty mammal species have been recorded. Nationally protected plants include *Fraxinus mandshurica*, *Juglans mandshurica*, *Betula verrucosa* and *Fructus schisandrae*.

IBA CODE: CN005

NAME: Maoshan Nature Reserve

CRITERIA: A1

AREA: 26,641 ha

COORDINATES: 48°42'N 125°50'E

ALTITUDE: 600-800 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1992 to protect *Ciconia boyciana* and *Grus japonensis*.

GENERAL DESCRIPTION: Located in the north-east of Nehe City, with Wuda Lianchi (CN006) on its eastern border. Maoshan Nature Reserve (formerly Maoshan Forest Farm) is the source of many rivers.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anas formosa* (VU), *Aythya baeri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN006

NAME: Wuda Lianchi Nature Reserve

CRITERIA: A1

AREA: About 100,800 ha

COORDINATES: 48°40'N 126°12'E

ALTITUDE: 200-630 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1980 for the protection of the volcanic landscape and water sources, and upgraded to a national nature reserve in 1996. Wuda Lianchi was designated in 2003 as a 'Biosphere Reserve' under UNESCO's Man and Biosphere (MAB) Programme.

GENERAL DESCRIPTION: Located in Wuda Lianchi City. The IBA is on the plain at the western edge of the Xiao Hinggan Ling mountains. Ancient volcanic activities formed five linked lakes ("Lianchi"), with a total area of 1,800 ha. There is agricultural land around the lakes, and woodland in the riverine lowlands.

THREATENED SPECIES: *Anser cygnoides* (EN), *Grus japonensis* (EN), *Anas formosa* (VU), *Aythya baeri* (VU), *Aquila clanga* (VU, breeding recorded)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Lutra lutra*, *Cervus elaphus* and *Nyctereutes procyonoides*.

IBA CODE: CN007

NAME: Xunbiela He Nature Reserve

CRITERIA: A1

AREA: About 45,000 ha

COORDINATES: 49°20'N 128°0'E

ALTITUDE: 150-350 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1982 to protect cold-water fish and the riverine ecosystem.

GENERAL DESCRIPTION: Located in Xunke County. Xunbiela He is a tributary of the middle reaches of the Heilongjiang River, with a length of 279 km. The total area of the river basin is 15,738 km².

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Ketupa blakistoni* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Cervus elaphus*, *Alces alces*, *Selenarctos thibetanus*, *Ursus arctos*, *Felis lynx*, *Lutra lutra*, *Felis bengalensis* and *Lepus timidus*. Important plants include *Pinus koraisensis*, *Picea* sp., *Pinus sylvestris* var. *mongolica*, *Quercus mongolica* and *Fraxinus mandshurica*. The IBA is a major spawning ground for fish *Oncorhynchus* spp.

IBA CODE: CN008

NAME: Dazhanhe Wetland Nature Reserve

CRITERIA: A1

AREA: 211,618 ha

COORDINATES: 48°23'N 127°13'E

ALTITUDE: 420-465 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 2001, and approved for national nature reserve status in 2006 (but not yet announced).

GENERAL DESCRIPTION: Located in Xunke County. Dazhanhe is the largest protected area of forest swamp in China. It lies on the northern slopes of the Da Hinggan Ling mountains and on the upper reaches of the Dazhan He river. About 110,000 ha of the nature reserve is forested (mainly mixed broadleaf-coniferous forest).

THREATENED SPECIES: *Ciconia boyciana* (EN), *Grus japonensis* (EN), *Grus monacha* (VU, one of the two known breeding grounds in China, 30 birds and four nests found in 2004, population estimated at 85 birds during a 2007 survey)

IMPORTANCE TO OTHER FAUNA AND FLORA: About 570 species of plants have been recorded, including 13 nationally protected species, and about 250 species of wild animals.

IBA CODE: CN009

NAME: Hala Hai

CRITERIA: A1 A4i,A4iii

AREA: 29,473 ha

COORDINATES: 47°33'N 123°27'E

ALTITUDE: 139 m

CONSERVATION STATUS: Established as a county-level nature reserve in 2001.

GENERAL DESCRIPTION: Located in the north-east of Longjiang County. The gentle topography in the IBA has resulted in slow water flow, and the formation of bogs (some of nearly 2,000 ha), marshes, marshy meadows and meadows.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Grus japonensis* (EN, breeding population approximately 20 birds, numbers increase to 100-150 on migration), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus monacha* (VU), *Otis tarda* (VU, over 100 birds on migration, over 50 birds in 1998)

CONGREGATORY WATERBIRDS: *Grus japonensis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN010

NAME: Lianhuanhu Waterbird Nature Reserve

CRITERIA: A1 A4iii

AREA: About 43,000 ha

COORDINATES: 47°0'N 123°8'E

ALTITUDE: 140 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1986. This nature reserve is also a state-approved hunting ground for waterbirds, and the first international waterbird hunting ground in China. It includes four hunting sites, two sites for breeding birds and one tourism site.

GENERAL DESCRIPTION: Lianhuanhu lake is located on the lower Nen Jiang river, and extends 60 km from north to south, and 20 km from east to west. Habitats include open water, marshes, meadows, plantations and agricultural areas. About 25,000-45,000 birds (mostly snipe and duck) are hunted in the IBA each year.

THREATENED SPECIES: *Grus leucogeranus* (CR), *Anser cygnoides* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU), *Otis tarda* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Mustela sibirica*, *Vulpes vulpes*, *Meles meles*, *Lepus capensis* and *Dipus annulatus*

IBA CODE: CN011

NAME: Zhalong Nature Reserve

CRITERIA: A1 A4i,A4iii

AREA: About 210,000 ha

COORDINATES: 47°12'N 124°12'E

ALTITUDE: 140-146 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1979, upgraded to a national nature reserve in 1987, and designated in 1992 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands.

GENERAL DESCRIPTION: Zhalong is located on the lower Wuyur He river, a tributary of the Nen Jiang river, 44 km from Qiqihar. The main habitat is marshland, and there are 228 pools and large areas of reedbed (80% of the total area). The open water is used by swimming birds, while the marshes are used by waders. The most serious threat to the nature reserve is over-exploitation of water resources for agriculture and oil mining.

THREATENED SPECIES: *Grus leucogeranus* (CR), *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Aquila clanga* (VU), *Grus vipio* (VU), *Grus monacha* (VU), *Otis tarda* (VU), *Megalurus pryeri* (VU)

CONGREGATORY WATERBIRDS: *Threskiornis melanocephalus*, *Platalea leucorodia*, *Aythya baeri*, *Grus leucogeranus*, *Grus vipio*, *Grus monacha*, *Grus japonensis*

IMPORTANCE TO OTHER FAUNA AND FLORA: Most of the plants in the area are herbaceous.

IBA CODE: CN012

NAME: Tailai Dongfanghong

CRITERIA: A1 A4i

AREA: About 32,000 ha

COORDINATES: 46°26'N 123°28'E

ALTITUDE: 134-164 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1999.

GENERAL DESCRIPTION: Located on the edge of Tailai County. It is a marshy area surrounded by sand dunes and grassland, and habitats include forestry woodland, reservoir, river and reedbeds.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Aythya baeri*

IMPORTANCE TO OTHER FAUNA AND FLORA: More than 20 species of mammals are recorded, including *Canis lupus*, *Vulpes vulpes*, *Nyctereutes procyonoides*, *Arctonyx collaris*, *Mustela eversmanni* and *Ondatra zibethicus*.

IBA CODE: CN013

NAME: Lindian County Xinxing Horse Ranch and Julang Pasture

CRITERIA: A1

AREA: 50,000 ha

COORDINATES: 47°15'N 125°12'E

ALTITUDE: About 140 m

CONSERVATION STATUS: Unprotected

GENERAL DESCRIPTION: The main habitats in the IBA are wetland, grassland and agricultural land.

THREATENED SPECIES: *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN014

NAME: Heiyupao Nature Reserve

CRITERIA: A1 A4i

AREA: About 14,400 ha

COORDINATES: 46°40'N 125°6'E

ALTITUDE: 150-152 m

CONSERVATION STATUS: Established as a county-level nature reserve (14,400 ha) in 1991, mainly to protect birds and water resources.

GENERAL DESCRIPTION: Located in the north-eastern part of Daqing City. Heiyupao is a reservoir formed during water reallocation work along the Nen Jiang river. Habitats include meadow, grassland, woodland, marshes and 6,000 ha of agricultural land near the reservoir.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Grus japonensis* (EN), *Anser cygnoides* (EN, over 500 birds during spring and autumn), *Mergus squamatus* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU), *Otis tarda* (VU)

CONGREGATORY WATERBIRDS: *Ciconia boyciana*, *Anser cygnoides*, *Grus japonensis*

IMPORTANCE TO OTHER FAUNA AND FLORA: More than 20 species of mammals recorded, including *Lepus capensis*, *Ondatra zibethicus* and *Spermophilus dauricus*.

IBA CODE: CN015

NAME: Longfeng Wetland Nature Reserve

CRITERIA: A1 A4i

AREA: 5,050 ha

COORDINATES: 46°30'N 125°11'E

ALTITUDE: c.139 m

CONSERVATION STATUS: Protected as a provincial-level nature reserve.

GENERAL DESCRIPTION: Located in Daqing City. The main habitats in this wetland IBA are wet grassland and marshes.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Grus monacha* (VU), *Otis tarda* (VU), *Megalurus pryeri* (VU)

CONGREGATORY WATERBIRDS: *Aythya ferina*, *Histrionicus histrionicus*, *Melanitta fusca*, *Bucephala clangula*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN016

NAME: Shuangfa

CRITERIA: A3

AREA: About 10,000 ha

COORDINATES: 45°42'N 125°15'E

ALTITUDE: 148 m
CONSERVATION STATUS: Unprotected
GENERAL DESCRIPTION: Shuangfa is located in the middle of the Songnen Plain, and is an extensive area of gently sloping grassland which is used for ranching and agriculture. More than 20,000 *Calcarius lapponicus* occur during southward migration.
THREATENED SPECIES: No information
BIOMES: AS03: North-east Asian temperate forest
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN017
NAME: Mao'er Shan Forest Farm
CRITERIA: A1 A3
AREA: 26,291 ha
COORDINATES: 45°22'N 127°32'E
ALTITUDE: 30-807 m
CONSERVATION STATUS: Protected as a national forest park.
GENERAL DESCRIPTION: Located in Shangzhi City. Mao'er Shan Forest Farm is an area of the typical natural broadleaf forest of north-east China. Secondary forests and plantations grow on the slopes in the IBA, and there are meadows and marshes on the lower plain.
THREATENED SPECIES: *Coturnicops exquisitus* (VU, three birds have been captured and ringed)
BIOMES: AS03: North-east Asian temperate forest
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN018
NAME: Xinqing Nature Reserve
CRITERIA: A1
AREA: 68,234 ha
COORDINATES: 48°30'N 130°8'E
ALTITUDE: 197-382 m
CONSERVATION STATUS: Established as a nature reserve in 2005 for the conservation of *Alces alces*.
GENERAL DESCRIPTION: Located in Yichun City, about 190 km from Dazhanhe Wetland Nature Reserve (CN008). The main habitats in the IBA are wetland and forest.
THREATENED SPECIES: *Grus monacha* (VU, population of 25-30 birds with at least eight breeding pairs, density higher than at Dazhanhe).
IMPORTANCE TO OTHER FAUNA AND FLORA: A nature reserve for the protection of *Alces alces*.

IBA CODE: CN019
NAME: Fenglin Nature Reserve
CRITERIA: A1 A3
AREA: 18,400 ha
COORDINATES: 48°5'N 129°7'E
ALTITUDE: 285-688 m
CONSERVATION STATUS: Established as a provincial-level nature reserve in 1963, and upgraded to a national nature reserve in 1988. Fenglin was designated in 1997 as a 'Biosphere Reserve' under UNESCO's Man and Biosphere (MAB) Programme.
GENERAL DESCRIPTION: Fenglin Nature Reserve is located on the southern slope of the Xiao Hinggan Ling mountains, and extends 20 km from east to west and 16 km from north to south. It was the first nature reserve established to protect *Pinus koraiensis* in China.
THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU)
BIOMES: AS03: North-east Asian temperate forest
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.



Liangshui Nature Reserve (CN020) is a breeding site of Scaly-sided Merganser *Mergus squamatus*.
(PHOTO: WANG XIAOLAN)

IBA CODE: CN020

NAME: Liangshui Nature Reserve

CRITERIA: A1 A3

AREA: 12,133 ha

COORDINATES: 47°11'N 128°52'E

ALTITUDE: 280-707 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1979, and upgraded to a national nature reserve in 1998.

GENERAL DESCRIPTION: Located in the southern part of Yichun City, on the southern slopes of the Xiao Hinggan Ling mountains. The IBA used to be a forest farm and was designated as an experimental forest farm of North-east Forestry University in 1958. It includes 4,100 ha of *Pinus koraiensis* forest, and riverine vegetation provides suitable tree-holes for nesting *Mergus squamatus* and *Aix galericulata*.

THREATENED SPECIES: *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Anser erythropus* (VU). There were historical records of *Ketupa blakistoni* (EN) in this IBA.

BIOMES: AS03: North-east Asian temperate forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Supports nine species of nationally protected animals and six species of nationally protected plants.

IBA CODE: CN021

NAME: Yangdali Nature Reserve

CRITERIA: A1

AREA: 3,534 ha

COORDINATES: 46°4'N 129°6'E

ALTITUDE: 100 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1988, mainly for the protection of waterbirds.

GENERAL DESCRIPTION: Located near Songhuajiang, Tonghe County. The IBA is a natural reedbed which extends 7 km from east to west and 3 km from north to south. It is used by migratory waterbirds.

THREATENED SPECIES: *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN022

NAME: Jingpo Hu Nature Reserve

CRITERIA: A1 A3 A4i

AREA: 126,000 ha

COORDINATES: 43°54'N 129°0'E

ALTITUDE: 340-1,020 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1980.

GENERAL DESCRIPTION: Jingpo Hu is located in the western part of the Laoye Ling mountains. The nature reserve was established to protect the forest, natural scenery and water sources. The lake is 45 km in length, and has national monuments from the Tang Dynasty, and it attracts more than 800,000 tourists every summer.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN, 76 birds in 1997), *Grus japonensis* (EN), *Anas formosa* (VU), *Aythya baeri* (VU), *Emberiza jankowskii* (VU)

BIOMES: AS03: North-east Asian temperate forest

CONGREGATORY WATERBIRDS: *Mergus squamatus*

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Panthera tigris altaia*, *Cervus nippon*, *Naemorhedus goral*, *Lutra lutra*, *Martes zibellina* and *Panthera pardus*. Nationally protected plants include *Panax ginseng*, *Fraxinus mandshurica*, *Juglans mandshurica*, *Phellodendron chinense* and *Acanthopanax senticosus*.

IBA CODE: CN023

NAME: Mudanfeng Nature Reserve

CRITERIA: A1 A3

AREA: 19,648 ha

COORDINATES: 44°25'N 129°47'E

ALTITUDE: 260-1,115 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1981, and upgraded to Mudanfeng National Nature Reserve in 1994.

GENERAL DESCRIPTION: Located 15 km south-east of Mudanjiang City. The IBA contains a microcosm of the typical forest succession in the Changbei region, with mixed pine-fir forests and other forest types.

THREATENED SPECIES: *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Acrocephalus tangorum* (VU)

BIOMES: AS03: North-east Asian temperate forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Cervus nippon*, *Martes zibellina*, *Felis lynx*, *Panthera pardus* and *Cervus elaphus*. Nationally protected plants include *Panax ginseng*, *Juglans mandshurica*, *Pinus sylvestris* var. *mongolica* and *Fraxinus mandshurica*.

IBA CODE: CN024

NAME: Laodengshan Nature Reserve

CRITERIA: A1 A4i

AREA: 5,745 ha

COORDINATES: 47°16'N 130°45'E

ALTITUDE: 76-82 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1989.

GENERAL DESCRIPTION: Laodengshan is located in the north-eastern part of Wutonghe Farm, on the lower Dulu He river. There are no mountains in this area.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN, over 50 birds in 1981, 27 birds in 1991, four nests being incubated in 1984), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU)

CONGREGATORY WATERBIRDS: *Grus japonensis*

IMPORTANCE TO OTHER FAUNA AND FLORA: Animals include *Lutra lutra*, *Nyctereutes procyonoides* and *Vulpes vulpes*.

IBA CODE: CN025

NAME: Qixing Lazi Siberian Tiger Nature Reserve

CRITERIA: A1

AREA: 33,000 ha

COORDINATES: 46°30'N 131°0'E

ALTITUDE: 160-300 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (33,000 ha) in 1990.

GENERAL DESCRIPTION: Qixing Lazi Siberian Tiger Nature Reserve is located on the northern slopes of Wanda Shan mountain, in an area with many forestry farms. Natural vegetation covers an area of 20,971 ha within the reserve.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Mergus squamatus* (EN), *Anas formosa* (VU), *Aythya baeri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected animals include *Panthera tigris altaia*, *Felis lynx*, *Martes zibellina*, *Cervus elaphus*, *Lepus timidus*, *Lutra lutra* and *Selenarctos thibetanus*. Nationally protected plants include *Phellodendron chinense*, *Fraxinus mandshurica* and *Juglans mandshurica*.

IBA CODE: CN026

NAME: Qixing He Wetland Nature Reserve

CRITERIA: A1

AREA: 20,000 ha

COORDINATES: 46°46'N 132°15'E

ALTITUDE: 53-63 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1991, upgraded to provincial level in 1998 and to a national nature reserve in 2000.

GENERAL DESCRIPTION: Located in the northern part of Baoqing County. The nature reserve is on the southern bank of the middle section of the Qixing He river, and extends 30 km from east to west and 10 km from north to south. Habitats include ox-bow lakes, marshes and meadows.

THREATENED SPECIES: *Grus leucogeranus* (CR), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: This area was once in the ranges of *Selenarctos thibetanus* and *Lutra lutra*, but these animals are now locally extinct due to unsustainable hunting. *Ondatra zibethicus* and *Nyctereutes procyonoides* are still present.

IBA CODE: CN027

NAME: Xingkai Hu Nature Reserve

CRITERIA: A1 A4i,A4iii

AREA: 222,488 ha

COORDINATES: 45°18'N 132°34'E

ALTITUDE: 65-80 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1986, upgraded to Xingkai Hu National Nature Reserve in 1994, and designated in 2002 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands and in 2007 as a 'Biosphere Reserve' under UNESCO's Man and Biosphere (MAB) Programme. The nature reserve is planning to form a management committee, and to have transboundary management with an adjacent nature reserve in Russia.

GENERAL DESCRIPTION: Xingkai Hu Nature Reserve includes the northern part of Xingkai Hu (known as Lake Khanka in Russia), where the ratio of open water to wetlands is 5:1. The coniferous and broadleaf mixed forests by the lake shores are utilized by forest birds.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Grus japonensis* (EN), *Egretta eulophotes* (VU), *Anser erythropus* (VU), *Aythya baeri* (VU), *Haliaeetus pelagicus* (VU), *Aquila heliaca* (VU), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Phalacrocorax carbo*, *Cygnus cygnus*, *Cygnus columbianus*, *Anser fabalis*, *Anser erythropus*, *Anas penelope*, *Anas platyrhynchos*, *Anas acuta* (maximum 4,000-5,000 birds seen daily during peak migration season), *Anas querquedula*, *Anas crecca*, *Grus vipio*, *Grus japonensis*; March and April is the peak season for duck migration, when 30,000 to 100,000 birds pass through the area.

IMPORTANCE TO OTHER FAUNA AND FLORA: The core area is the natural range of *Nycterotes pyocyonoides* and *Ondatra zibethicus*. Nationally protected plants include *Pinus takahasii*.

IBA CODE: CN028

NAME: Qindeli Sturgeon Reserve

CRITERIA: A1

AREA: 36,663 ha

COORDINATES: 48°5'N 133°13'E

ALTITUDE: 42-626 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1998, to protect the local sturgeon *Acipenser* spp. population.

GENERAL DESCRIPTION: Located within the boundary of Qindeli Farm, Tongjiang City. The reserve extends 77 km from east to west, and the habitats include sandy beaches, marshes and forests.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Twenty-seven species of mammals have been recorded in the area, including *Cervus nippon*, *Alces alces*, *Martes zibellina*, *Ursus arctos*, *Selenarctos thibetanus*, *Cervus elaphus*, *Lutra lutra* and *Lepus timidus*. Nationally protected plants include *Fructus schisandrae*, *Phellodendron chinense* and *Fraxinus mandshurica*.

IBA CODE: CN029

NAME: Bacha Dao Nature Reserve

CRITERIA: A1 A4i, A4iii

AREA: 32,014 ha

COORDINATES: 48°13'N 133°50'E

ALTITUDE: 40 m

CONSERVATION STATUS: Established as a nature reserve in 1999, and upgraded to a national nature reserve in 2003.

GENERAL DESCRIPTION: Located to the north-east of Tongjiang City, along the Heilong Jiang (Amur River) which forms to Chinese border with Russia. The nature reserve is made up of about 60 islands in the river, with Bacha Dao the largest island in area (about 4,000 ha).

THREATENED SPECIES: *Ciconia boyciana* (EN, 213 birds in September 2002), *Anser cygnoides* (EN, more than 1,000 birds in September 2002), *Grus japonensis* (EN), *Aythya baeri* (VU, more than 120 birds in September 2002), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Ciconia boyciana*, *Anser cygnoides*, *Aythya baeri*; Hundreds of thousands of waterbirds migrate through the area annually.

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN030

NAME: Honghe Nature Reserve

CRITERIA: A1 A4i

AREA: 21,836 ha

COORDINATES: 47°47'N 133°40'E

ALTITUDE: 50-60 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1984, upgraded to Honghe National Nature Reserve in 1996, and designated in 2002 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands. There are no people resident in the reserve, and the biodiversity and natural environment are well preserved.

GENERAL DESCRIPTION: Located along the border of Tongjiang and Fuyuan counties. This was the first nature reserve established in the Sanjiang wetlands. The forest patches provide breeding sites for *Ciconia boyciana*.

THREATENED SPECIES: *Ciconia boyciana* (EN, 60-180 birds between 1992 and 1999), *Grus japonensis* (EN), *Aythya baeri* (VU), *Grus monacha* (VU)

CONGREGATORY WATERBIRDS: *Ciconia boyciana*, *Cygnus cygnus* (200 birds in 1982-1983), *Grus japonensis*

IMPORTANCE TO OTHER FAUNA AND FLORA: Twenty-five mammal species have been recorded in the area, including seven that are nationally protected. Nationally protected plants include *Phellodendron chinense*, *Fraxinus mandshurica* and *Juglans mandshurica*.

IBA CODE: CN031

NAME: Sanjiang Nature Reserve

CRITERIA: A1 A4i

AREA: 198,100 ha

COORDINATES: 47°54'N 134°30'E

ALTITUDE: 34-239 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1994, and subsequently upgraded to a national nature reserve. The reserve was designated in 2002 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands.

GENERAL DESCRIPTION: Located along the border of Tongjiang and Fuyuan counties. Sanjiang Nature Reserve is an inland ox-bow lake wetland. The eastern part of this lake is located on the western bank of the Wusuli Jiang river (River Ussuri), and the western part of the lake is on the Yalu Jiang river.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Aythya baeri* (VU), *Aquila clanga* (VU), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Phalacrocorax carbo*, *Cygnus cygnus* (more than 400 birds at Likjai Lake in 1993), *Anser fabalis*.

IMPORTANCE TO OTHER FAUNA AND FLORA: Thirty-seven species of mammals have been recorded in the area, including 10 that are nationally protected including *Panthera tigris altaia*, *Martes zibellina* and *Cervus nippon*.

IBA CODE: CN032

NAME: Naoli He Nature Reserve

CRITERIA: A1 A4i,A4iii

AREA: About 160,595 ha

COORDINATES: 46°56'N 133°16'E

ALTITUDE: 41-83 m

CONSERVATION STATUS: The present reserve was merged from three provincial-level reserves (Changlindao, Yanwodao and the old Naolihe) and one city-level nature reserve (Qiliqinhe).

GENERAL DESCRIPTION: The Naoli He river is a tributary of the Wusuli Jiang river (River Ussuri), and has a length of 596 km. The IBA is located on the lower and middle reaches of the river, bounded by the flood-control levees.

THREATENED SPECIES: *Ciconia boyciana* (EN, up to 28 birds, the IBA is a breeding and staging area), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN, the IBA is a breeding and staging area), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU), *Grus vipio* (VU)

CONGREGATORY WATERBIRDS: *Ciconia boyciana*

IMPORTANCE TO OTHER FAUNA AND FLORA: Twenty-five species of mammals have been recorded in the area, including *Cervus nippon*, *Cervus elaphus*, *Alces alces*, *Selenarctos thibetanus*, *Lutra lutra*, *Canis lupus* and *Lepus timidus*. Nationally protected plants include *Phellodendron chinense*, *Fraxinus mandshurica* and *Juglans mandshurica*.

IBA CODE: CN033

NAME: Qihulin He Nature Reserve

CRITERIA: A1

AREA: 18,328 ha

COORDINATES: 46°6'N 133°25'E

ALTITUDE: 60 m

CONSERVATION STATUS: Established as a county-level nature reserve in 1998.

GENERAL DESCRIPTION: This IBA is a marsh located between the Qihulin He and Abuqin He rivers, with lowland floodplains and forest patches. Although some areas are being converted into agricultural land, most of the marshes have little human disturbance and are well preserved. It is a breeding and staging site for waterbirds.

THREATENED SPECIES: *Grus leucogeranus* (CR), *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Aythya baeri* (VU), *Grus vipio* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Over 30 species of mammals have been recorded, including *Vulpes vulpes*, *Selenarctos thibetanus*, *Cervus elaphus*, *Lepus timidus*, *Mustela sibirica* and *Nyctereutes procyonoides*.

IBA CODE: CN034

NAME: Yueya Hu Nature Reserve

CRITERIA: A1

AREA: 5,130 ha

COORDINATES: 45°54'N 133°32'E

ALTITUDE: 54-59 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1986.

GENERAL DESCRIPTION: Yueya Hu Nature Reserve is located on the lower Song'acha He river, 50 km from Hulin City. The habitats include woodland, grassland, marshes and open water, with more than 30 lakes (average 333 ha, the largest being Yueya Hu). The surface area of the lakes fluctuates according to the water level in the Wusuli Jiang river (River Ussuri).

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Anas formosa* (VU), *Aythya baeri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Animals include *Vulpes vulpes*, *Selenarctos thibetanus*, *Cervus elaphus*, *Mustela sibirica*, *Ondatra zibethicus* and *Alces alces*.

IBA CODE: CN035

NAME: Hukou Wetland Nature Reserve

CRITERIA: A1

AREA: About 15,000 ha

COORDINATES: 45°40'N 133°22'E

ALTITUDE: 57-67 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1997.

GENERAL DESCRIPTION: Hukou Wetland Nature Reserve is located in the southern part of Hulin City, and extends 60 km from north to south.

THREATENED SPECIES: *Ciconia boyciana* (EN), *Anser cygnoides* (EN), *Mergus squamatus* (EN), *Grus japonensis* (EN), *Anser erythropus* (VU), *Aythya baeri* (VU), *Grus vipio* (VU), *Grus monacha* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: Twenty-three mammal species have been recorded in the area, including seven nationally protected species. Nationally protected plants include *Phellodendron chinense*, *Fraxinus mandshurica* and *Juglans mandshurica*.