

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

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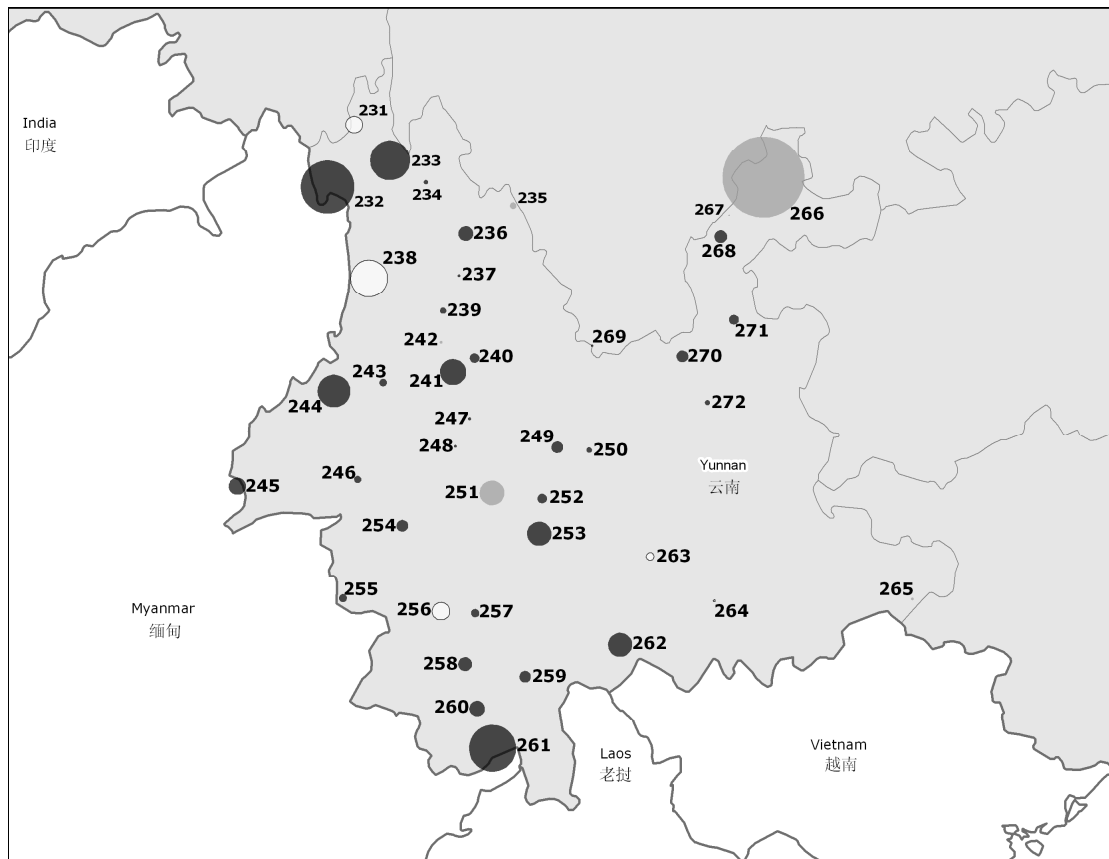
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## Important Bird Areas in Yunnan Province



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

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



Wuliang Shan (CN251) has a distinct vertical zonation of habitats and the subtropical forests there support rare bird species such as Green Peafowl *Pavo muticus*, and also Black-crested Gibbon *Hylobates concolor*. (PHOTO: HAN LIANXIAN)

IBA CODE: CN231

NAME: Meili Xueshan

CRITERIA: A1

AREA: 33,200 ha

COORDINATES: 28°27'N 98°41'E

ALTITUDE: 2,020-6,740 m

CONSERVATION STATUS: Not an official nature reserve but protected as a scenic site and by cultural traditions. This IBA was designated under the World Heritage Convention in 2003 as part of the 'Three Parallel Rivers of Yunnan Protected Areas World Heritage Site'.

GENERAL DESCRIPTION: Located in the centre of the Hengduan mountain range between the Nu Jiang and Lancang Jiang rivers. Meili Xueshan is a holy mountain to Tibetans. It has 13 peaks of above 6,000 m including Mount Kawagebo (Kagebo) which, at 6,740 m, is the highest peak in Yunnan. No systematic ornithological surveys have been conducted in the IBA, but it is believed to be of ornithological importance.

THREATENED SPECIES: *Lophophorus sclateri* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN232

NAME: Dulong Jiang River Valley

CRITERIA: A1 A2 A3

AREA: 337,585 ha

COORDINATES: 27°44'N 98°25'E

ALTITUDE: 1,500-5,128 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (375,433 ha) in 1986, but in 2000 this reserve was merged with Gaoligong Shan National Nature Reserve. This IBA was designated under the World Heritage Convention in 2003 as part of the 'Three Parallel Rivers of Yunnan Protected Areas World Heritage Site'. It is also part of the 'Gaoligong Mountain Biosphere Reserve', which was designated in 2000 under UNESCO's Man and Biosphere (MAB) Programme.

GENERAL DESCRIPTION: Located in north-west Gongshan County, north-west Yunnan Province, the IBA is adjacent to Myanmar in the west, to Gaoligongshan in the east and to Zayü County, Tibet in the north. The Dulong Jiang River is the upper course of the Simeikai Jiang river, and for 91.7 km it follows the boundary of Yunnan Province before entering Myanmar. The vegetation is well preserved, with prominent vertical zonation. The avifauna here has affinities with Indian and Myanmar, and this is the only place where birds such as *Tragopan blythii*, *Brachypteryx hyperythra* and *Harpactes wardi* are found in China.

THREATENED SPECIES: *Tragopan blythii* (VU), *Lophophorus sclateri* (VU), *Brachypteryx hyperythra* (VU)

ENDEMIC BIRD AREAS: 130: Eastern Himalayas

BIOMES: AS05: Eurasian high montane; AS07: Sino-Himalayan temperate forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Davidia involucrate*, *Alsophila spinulosa* and *Taiwania cryptomerioides*. Animals include *Panthera tigris tigris*, *Panthera pardus*, *Neofelis nebulosa*, *Macaca assamensis*, *Budorcas taxicolor* and *Presbytis pileata*.

IBA CODE: CN233

NAME: Baima Xueshan Nature Reserve

CRITERIA: A2 A3

AREA: 190,144 ha

COORDINATES: 28°5'N 99°10'E

ALTITUDE: 2,000-5,429 m

CONSERVATION STATUS: Established as a nature reserve in 1983, and upgraded to Baima Xueshan National Nature Reserve (190,144 ha) in 1988. This IBA was designated under the World Heritage Convention in 2003 as part of the 'Three Parallel Rivers of Yunnan Protected Areas World Heritage Site'.

GENERAL DESCRIPTION: Located in south-east Dêqên County, north-western Yunnan. The IBA is in the central part of the Hengduan Shan's Yunling ranges, with the highest summit at 5,429 m, and most of the higher parts have snow cover all year round. The Jinsha Jiang and Lanchang Jiang have cut deep river valleys (some 2,000 m deep) in the east and west of the IBA. The vegetation shows prominent vertical zonation.

ENDEMIC BIRD AREAS: 139: Yunnan mountains

BIOMES: AS05: Eurasian high montane; AS07: Sino-Himalayan temperate forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Kingdonia uniflora* and *Kingdonia uniflora*. Animals include *Rhinopithecus bieti*, *Neofelis nebulosa*, *Panthera uncial*, *Panthera pardus*, *Canis lupus*, *Ailurus fulgens*, *Selenarctos thibetanus*, *Felis lynx*, *Pseudois nayaur*, *Macaca assamensis*, *Martes foina*, *Naemorhedus goral* and *Lutra lutra*.

IBA CODE: CN234

NAME: Nagpag Co (Napa Hai) Nature Reserve

CRITERIA: A1 A4i,A4iii

AREA: About 2,400 ha

COORDINATES: 27°52'N 99°38'E

ALTITUDE: 3,260 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (2,400 ha) in 1984. Napa Hai was designated in 2004 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands.

GENERAL DESCRIPTION: Located in the Zhongden area of north-western Yunnan. The IBA is a high-altitude marsh, surrounded by high mountains (3,800-4,449 m) in the east, west and north. The lake extends 10 km from north to south and 2.3 km from east to west, and there is 500 ha of open water even in the dry season. There are also shallow water marshes and meadows, which are the main habitats for wintering *Grus nigricollis*.

THREATENED SPECIES: *Grus nigricollis* (VU, 160 birds in 1991)

CONGREGATORY WATERBIRDS: *Grus nigricollis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.



Napa Hai (CN234) is designated as a 'Wetland of International Importance' (or Ramsar site) because it is an important wintering area for Black-necked Crane *Grus nigricollis* and other waterbird species.

(PHOTO: CHEN LIANG)

IBA CODE: CN235

NAME: Lugu Hu

CRITERIA: A1 A4i

AREA: 5,180 ha

COORDINATES: 27°40'N 100°44'E

ALTITUDE: 2,685 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (8,133 ha) in 1986.

GENERAL DESCRIPTION: Lugu Hu is located in north-western Yunnan and south-western Sichuan. It is a freshwater lake with shallow marshes along the edge. The lake circumference is 44 km, and it extends 9.4 km from north to south and 5.2 km from east to west. There are three islands in the lake and a peninsula.

THREATENED SPECIES: *Grus nigricollis* (VU)

CONGREGATORY WATERBIRDS: *Netta rufina*.

IMPORTANCE TO OTHER FAUNA AND FLORA: *Otella acuminata var. crispa* is endemic to Lugu Hu.

IBA CODE: CN236

NAME: Yulong Xueshan Nature Reserve

CRITERIA: A1 A2 A3

AREA: About 26,000 ha

COORDINATES: 27°20'N 100°10'E

ALTITUDE: 2,415-5,596 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (26,000 ha) in 1984.

GENERAL DESCRIPTION: Located in Lijiang County, north-west Yunnan. Yulong Xueshan is the main summit of the Hengduan Shan's Yunling ranges. Lijiang City lies 30 km south-east of Yulong Xueshan, and the plateau around the city is at c.2,400 m and is a major agricultural area. The Jinsha Jiang river valley runs to the north-west of Yulong Xueshan, and the vertical difference between the water surface and the summit is 3,000 m.

THREATENED SPECIES: *Garrulax bieti* (VU), *Sitta magna* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

BIOMES: AS05: Eurasian high montane; AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Psammosilene tunicoides*, *Coptis teeta* and *Torreya yunnanensis*. Animals include *Neofelis nebulosa*, *Panthera pardus*, *Felis temmincki*, *Ailurus fulgens*, *Selenarctos thibetanus* and *Macaca mulatta*.

IBA CODE: CN237

NAME: Lashi Hai

CRITERIA: A1 A4iii

AREA: 933 ha

COORDINATES: 26°52'N 100°7'E

ALTITUDE: 2,440 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (6,532 ha) in 1998. Lashi Hai was designated in 2004 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands.

GENERAL DESCRIPTION: Located in north-west Lijiang County, adjacent to Lijiang City and Yulong Xueshan Nature Reserve (CN236). Lashi Hai is a rain-fed lake, and sedimentation has resulted in an increase in the shallow water area. The marshes and agricultural land in the vicinity provide suitable wintering grounds for waterbirds.

THREATENED SPECIES: *Mergus squamatus* (EN), *Grus nigricollis* (VU, over 50 birds in 1997)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.



IBA CODE: CN238  
NAME: Biluo Xueshan  
CRITERIA: A1 A2 A3  
AREA: About 159,700 ha  
COORDINATES: 26°46'N 99°1'E  
ALTITUDE: 1,142-4,379 m  
CONSERVATION STATUS: Unprotected  
GENERAL DESCRIPTION: Biluo Xueshan is the watershed between the Nu Jiang and Lanchang Jiang rivers, with the Nu Jiang valley to the west and the Lanchang Jiang valley to the east. Most of the mountains in the area are above 4,000 m. The maximum vertical difference between the peaks and the bottom of the valley is 3,000 m, with most slopes at 40 degrees. The climate in the river valleys is southern subtropical, with a cold climate in the mountains. The vegetation cover is 43.7%, with 16.53% scrub and sparse woodland.  
THREATENED SPECIES: *Lophophorus sclateri* (VU)  
ENDEMIC BIRD AREAS: 130: Eastern Himalayas  
BIOMES: AS05: Eurasian high montane; AS07: Sino-Himalayan temperate forest  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN239  
NAME: Jianhu Nature Reserve  
CRITERIA: A4i A4iii  
AREA: 4,630 ha  
COORDINATES: 26°28'N 99°57'E  
ALTITUDE: 2,188 m  
CONSERVATION STATUS: A prefecture-level nature reserve which was established in 2001.  
GENERAL DESCRIPTION: The IBA consists of Jianhu Lake, Yuhua Reservoir and the adjacent mountain forests. The wetlands are surrounded by agricultural land.  
CONGREGATORY WATERBIRDS: *Anas platyrhynchos*; more than 20,000 waterbirds occur on migration and in winter.  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN240  
NAME: Jizu Shan Nature Reserve  
CRITERIA: A3  
AREA: 10,760 ha  
COORDINATES: 25°58'N 100°22'E  
ALTITUDE: 1,780-3,240 m  
CONSERVATION STATUS: The IBA is a provincial-level nature reserve (10,760 ha) which was established in 1981.  
GENERAL DESCRIPTION: The IBA is a famous Buddhist site. The subtropical broadleaf forest has been preserved here, and the primary forest provides habitat for many bird species.  
BIOMES: AS08: Sino-Himalayan subtropical forest  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN241  
NAME: Cang Shan Er Hai Nature Reserve  
CRITERIA: A1 A2 A3 A4i  
AREA: 79,700 ha  
COORDINATES: 25°48'N 100°7'E  
ALTITUDE: 1,560-4,122 m  
CONSERVATION STATUS: Established as a nature reserve in 1981, and upgraded to Cang Shan Er Hai National Nature Reserve (79,700 ha) in 1994.  
GENERAL DESCRIPTION: Cang Shan Er Hai is composed of Cang Shan mountain and Er Hai lake. The Cang Shan area is mostly above 2,000 m.  
THREATENED SPECIES: *Mergus squamatus* (EN), *Sitta magna* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

BIOMES: AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

CONGREGATORY WATERBIRDS: *Anas strepera*, *Anas poecilorhyncha*, *Netta rufina* (estimated over 10,000 birds), *Fulica atra* (estimated over 10,000 birds)

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Taxus wallichiana*, *Taiwania cryptomerioides* and *Tetracentron sinense*. Animals include *Panthera pardus*, *Neofelis nebulosa*, *Selenarctos thibetanus*, *Ailurus fulgens*, *Cervus unicolor* and *Naemorhedus goral*. Endemic fish include *Cyprinus megalophtalmus*, *Cyprinus longipectoralis*, *Cyprinus barbatus*, *Cyprinus daliensis*, *Cyprinus crassilabris*, *Barbodes exiguus*, *Barbodes daliensis* and *Schizothorax (Racoma) taliensis*.

IBA CODE: CN242

NAME: Eryuan Niaodiaoshan

CRITERIA: A4iii

AREA: 900 ha

COORDINATES: 26°7'N 99°57'E

ALTITUDE: 3,100-3,200 m

CONSERVATION STATUS: Partially protected in a prefecture-level nature reserve that was established in 1988.

GENERAL DESCRIPTION: The main habitats are grassland and scrub. The IBA is a migration bottleneck where about one million birds of more than 100 species pass through annually between September and November. The total number of herons (*Ardeola bacchus*, *Egretta garzetta* and *Ixobrychus sinensis*) is estimated to be more than 20,000 birds. Despite the establishment of a nature reserve, hunting was still occurring after 1998. The development of a wind farm has been proposed.

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN243

NAME: Yunlong Tianchi Nature Reserve

CRITERIA: A1 A2

AREA: 6,630 ha

COORDINATES: 25°38'N 99°17'E

ALTITUDE: 2,280-3,226 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (6,630 ha) in 1983.

GENERAL DESCRIPTION: Located in Yunlong County, Dali Baizu Autonomous County. The main habitat types are evergreen broadleaf forest, deciduous broadleaf forest, coniferous forest, scrub and grassland, and there are also montane lakes and streams. The IBA has a significantly large area of primary Yunnan pine forest and serves as a seed bank for this species.

THREATENED SPECIES: *Sitta magna* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN244

NAME: Gaoligong Shan Nature Reserve (southern section)

CRITERIA: A1 A2 A3

AREA: 124,459 ha

COORDINATES: 25°30'N 98°42'E

ALTITUDE: 1,090-3,916 m

CONSERVATION STATUS: Established as a nature reserve in 1983, and upgraded to Gaoligong Shan National Nature Reserve (124,459 ha) in 1986. In 2000 Gaoligong Shan was merged with Nu Jiang Nature Reserve to become an enlarged Gaoligong Shan National Nature Reserve (404,600 ha). The original Gaoligong Shan Nature Reserve is now the southern section of this large reserve. This IBA was designated under the World Heritage Convention in 2003 as part of the 'Three Parallel Rivers of Yunnan Protected Areas World Heritage Site'.



It is also part of the 'Gaoligong Mountain Biosphere Reserve', which was designated in 2000 under UNESCO's Man and Biosphere (MAB) Programme.

GENERAL DESCRIPTION: Gaoligong Shan is located on the western boundary of Yunnan Province, and extends 135 km from north to south, and 9 km from east to west. There is no human habitation within the nature reserve, but there are 10 townships in the surrounding areas. The natural vegetation cover is 74.4%. The central and southern parts of Gaoligong Shan are the watershed of the Lungchuan Jiang and Nu Jiang rivers.

THREATENED SPECIES: *Lophophorus sclateri* (VU), *Pavo muticus* (VU, the last sighting was in 1974, probably locally extinct)

ENDEMIC BIRD AREAS: 130: Eastern Himalayas; 139: Yunnan mountains

BIOMES: AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Taiwania cryptomerioides* and *Alsophila spinulosa*. Animals include *Presbytis phayrei*, *Hylobates hoolock*, *Nycticebus coucang*, *Budorcas taxicolor* and *Muntiacus gongshanensis*.

IBA CODE: CN245

NAME: Tongbiguan Nature Reserve

CRITERIA: A1

AREA: 34,158 ha

COORDINATES: 24°22'N 97°39'E

ALTITUDE: 210-2,595 m

CONSERVATION STATUS: Established as a nature reserve in 1987

GENERAL DESCRIPTION: The main habitats in the IBA are forest and scrub.

THREATENED SPECIES: *Pavo muticus* (VU), *Aquila clanga* (VU).

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN246

NAME: Jiangzhongshan

CRITERIA: A1

AREA: 6,000 ha

COORDINATES: 24°33'N 99°4'E

ALTITUDE: No information.

CONSERVATION STATUS: The IBA is located inside the provincial-level Xiaoheishan Nature Reserve (16,013 ha), which was established in 1995.

GENERAL DESCRIPTION: Located in Longling County, Baoshan City. The main habitats are grassland with sparse forest, and wetlands in the Nu Jiang river valley.

THREATENED SPECIES: *Pavo muticus* (VU, population of 20-30 birds estimated in 2004)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN247

NAME: Weishan Longqing Niaodaoxiongguan

CRITERIA: A4iii

AREA: 1,080 ha

COORDINATES: 25°18'N 100°21'E

ALTITUDE: 2,500-2,700 m

CONSERVATION STATUS: Established as a city-level nature reserve in 2001, and as a bird ringing station in 1997.

GENERAL DESCRIPTION: The main habitats are forest, grassland and scrub. The IBA is a migration bottleneck where about one million birds of more than 100 species pass through in autumn annually. The total number of herons (*Ardeola bacchus*, *Egretta garzetta* and *Ixobrychus sinensis*) is estimated to be over 20,000 birds. Despite the establishment of the nature reserve, hunting is still a severe problem.

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN248  
NAME: Qinghua Nature Reserve  
CRITERIA: A1  
AREA: 1,000 ha  
COORDINATES: 24°59'N 100°12'E  
ALTITUDE: 1,400 m  
CONSERVATION STATUS: Established as a provincial-level nature reserve (1,000 ha) in 1997.  
GENERAL DESCRIPTION: The main habitats in the IBA are forest, scrub and agricultural land.  
THREATENED SPECIES: *Pavo muticus* (VU, population of c.30 birds estimated in the 1980s).  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN249  
NAME: Zixishan Nature Reserve  
CRITERIA: A1 A2  
AREA: 16,000 ha  
COORDINATES: 25°02'N 101°25'E  
ALTITUDE: 1,800-2,500 m  
CONSERVATION STATUS: Established as Zixishan Forest Farm in 1962, became a prefectural nature reserve in 1982, and upgraded to a provincial-level nature reserve (16,000 ha) in 1994. In 2000 it was established as a national forest park, and a management office was set up in 2001.  
GENERAL DESCRIPTION: Located in Chuxiong City. The main habitats in the IBA are coniferous forest, scrub and grassland, with a forest cover of 94%. The nature reserve consists of a 12,000 ha buffer zone and a 4,000 ha core area, and 1,753 ha of the national forest receive good protection.  
THREATENED SPECIES: *Pavo muticus* (VU), *Sitta magna* (VU, population of 50 birds estimated)  
ENDEMIC BIRD AREAS: 139: Yunnan mountains  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN250  
NAME: Zhangmuqing Nature Reserve  
CRITERIA: A1 A2  
AREA: 3,631 ha  
COORDINATES: 25°01'N 101°48'E  
ALTITUDE: 1,800-2,161 m  
CONSERVATION STATUS: Formerly a prefecture-level forest farm, established as a prefecture-level nature reserve (3,631 ha) in 1982.  
GENERAL DESCRIPTION: Located on the border between Lufeng County and Chuxiong City, in Chuxiong Prefecture. The main habitat type is Yunnan pine, but it is mixed with evergreen broadleaf forest, scrub and riverine wetlands. Forest cover is c.97.7%.  
THREATENED SPECIES: *Pavo muticus* (VU), *Sitta magna* (VU, population of c.50 birds estimated in 2007)  
ENDEMIC BIRD AREAS: 139: Yunnan mountains  
IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN251  
NAME: Wuliang Shan  
CRITERIA: A1 A2 A3  
AREA: 70,065 ha  
COORDINATES: 24°30'N 100°40'E  
ALTITUDE: 1,151-3,306 m  
CONSERVATION STATUS: The IBA is partially protected in Wuliang Shan Nature Reserve (23,355 ha), which was established at the provincial-level in 1986 and subsequently upgraded to a national nature reserve (30,938 ha).

GENERAL DESCRIPTION: Wuliang Shan is located in Jingdong County, western Yunnan. It is the watershed of the Lanchang Jiang and Chuan He (upper course of Red River) rivers. It is an elongated mountain with a north-south orientation, which extends 50 km from north to south and 7 km from east to west. The IBA has a southern subtropical monsoon climate, with prominent vertical vegetation zonation. Well-preserved broadleaf evergreen forest is found at 2,000-2,800 m, covering an area of 11,361 ha (48.6% of the reserve area).

THREATENED SPECIES: *Pavo muticus* (VU), *Sitta magna* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

BIOMES: AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Euptelea pleiospermum* and *Tetracentron sinense*. Animals include *Panthera tigris*, *Neofelis nebulosa*, *Panthera pardus*, *Nycticebus coucang*, *Macaca assamensis*, *Presbytis phayrei* and *Hylobates concolor*.

IBA CODE: CN252

NAME: Konglonghe Nature Reserve

CRITERIA: A1 A2

AREA: 10,391 ha

COORDINATES: 24°28'N 101°16'E

ALTITUDE: 623-1,796 m

CONSERVATION STATUS: Established as a prefecture-level nature reserve in 2003, and a management office was set up in 2004.

GENERAL DESCRIPTION: Located in Ejia Town, Shuangbai County, Chuxiong Prefecture. The main habitats are monsoon rainforest, evergreen broadleaf forest, deciduous broadleaf forest and forested grassland, and forest cover is c.90%. The area lies in the middle to lower sections of a river valley on the eastern slope of the Ailao Shan mountains. It is an important migration route of birds.

THREATENED SPECIES: *Pavo muticus* (VU, population of 50 birds estimated in 2007), *Sitta magna* (VU, population of 20-30 birds estimated in 2007)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN253

NAME: Ailao Shan Nature Reserve

CRITERIA: A1 A2 A3

AREA: 67,700 ha

COORDINATES: 24°5'N 101°15'E

ALTITUDE: 800-3,137 m

CONSERVATION STATUS: Established as a provincial-level nature reserve in 1986, and upgraded to a national nature reserve (67,700 ha) in 1988.

GENERAL DESCRIPTION: Located in the central-northern section of the Ailao Shan mountain range, the IBA is the watershed of the Yuan Jiang, Babian Jiang and Amo Jaing rivers. The nature reserve was mainly established to protect the broadleaf evergreen forest ecosystem. It has 71.5% forest cover, and protects the largest area of broadleaf evergreen forest remaining in China, with many plants that are endemic to Yunnan.

THREATENED SPECIES: *Pavo muticus* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

BIOMES: AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Ginkgo biloba*, *Tetracentron sinense* and *Calocedrus macrolepis*. Animals include *Neofelis nebulosa*, *Selenarctos thibetanus*, *Viverra zibetha*, *Viverricula indica*, *Prionodon pardicolor*, *Manis pentadactyla*, *Cervus unicolor*, *Naemorhedus goral*, *Presbytis phayrei*, *Hylobates concolor* and *Felis temmincki*.

IBA CODE: CN254

NAME: Yongde Daxueshan Nature Reserve

CRITERIA: A1 A3

AREA: 15,786 ha

COORDINATES: 24°5'N 99°38'E

ALTITUDE: 960-3,504 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (15,786 ha) in 1988.

GENERAL DESCRIPTION: Located in the eastern part of Yongde County, western Yunnan. Daxueshan mountain is a southern extension of the Hengduan Shan mountains, and is the watershed of the Nu Jiang and Lanchang Jiang rivers. The climate is southern subtropical, and is affected by the Yunnan monsoon. The vegetation in the reserve is well preserved, and is mainly southern subtropical forest.

THREATENED SPECIES: *Pavo muticus* (VU)

BIOMES: AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Tetracentron sinense* and *Helicia shweliensis*. Animals include *Nycticebus coucang*, *Hylobates concolor*, *Selenarctos thibetanus*, *Neofelis nebulosa* and *Manis pentadactyla*.

IBA CODE: CN255

NAME: Nangun He Nature Reserve

CRITERIA: A1 A3

AREA: 7,083 ha

COORDINATES: 23°15'N 99°0'E

ALTITUDE: 520-2,605 m

CONSERVATION STATUS: Established as Nangun He National Nature Reserve (7,083 ha) in 1980. However, the area of the reserve is too small and most of the protected species occur outside the reserve boundary.

GENERAL DESCRIPTION: Located in the central part of the China-Myanmar border. The northern, eastern and western sections of the IBA are mountainous, and are in the southern extension of the Nu Shan mountain ranges. The Nangun He river flows through the nature reserve. The abandoned grassland in the IBA is used by foraging *Elephas maximus* and *Cervus unicolor*. The higher-elevation forests are home to primates, including *Hylobates lar*.

THREATENED SPECIES: *Pavo muticus* (VU, six birds recorded in a 1992 survey)

BIOMES: AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Tetrameles nudiflora*, *Gmelina arborea* and *Alsophila spinulosa*. Animals include *Panthera tigris corbetti*, *Panthera pardus*, *Neofelis nebulosa*, *Elephas maximus*, *Presbytis phayrei*, *Nycticebus coucang* and *Hylobates lar*.

IBA CODE: CN256

NAME: Jinggu Banpo

CRITERIA: A1

AREA: 34,993 ha

COORDINATES: 23°11'N 100°09'E

ALTITUDE: 700-1,548 m

CONSERVATION STATUS: Unprotected.

GENERAL DESCRIPTION: The IBA lies at the northern edge of China's tropical monsoon forests and rainforests. The main habitats there are subtropical monsoon evergreen broadleaf forest, Simao pine forest, subtropical mixed evergreen and broadleaf forest and scrub.

THREATENED SPECIES: *Pavo muticus* (VU, population of 15-20 birds estimated in 2003)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN257

NAME: Weiyuanjiang Nature Reserve

CRITERIA: A1

AREA: 7,653 ha

COORDINATES: 23°11'N 100°33'E

ALTITUDE: 815-1,734 m

CONSERVATION STATUS: Established as a prefecture-level nature reserve (7,653 ha) in 1983.

GENERAL DESCRIPTION: Located in Weiyuanjiang of Jinggu County, Simao City. The main habitat type is primary Simao Pine forest, mixed with evergreen broadleaf forest, scrub and riverine wetlands. Forest cover is c.90%.

THREATENED SPECIES: *Pavo muticus* (VU), *Sitta magna* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN258

NAME: Nuozadu Nature Reserve

CRITERIA: A1

AREA: 21,679 ha

COORDINATES: 22°38'N 100°28'E

ALTITUDE: 500-2,000 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (21,679 ha) in 1997.

GENERAL DESCRIPTION: The main habitat in the IBA is tropical forest.

THREATENED SPECIES: *Pavo muticus* (VU)

Importance to other fauna and flora: No information.

IBA CODE: CN259

NAME: Caiyanghe Nature Reserve

CRITERIA: A1

AREA: 14,892 ha

COORDINATES: 22°32'N 101°10'E

ALTITUDE: 980-1,698 m

CONSERVATION STATUS: A provincial-level nature reserve (14,892 ha) which was established in 1981.

GENERAL DESCRIPTION: The main habitat is evergreen broadleaf forest (92.2%), with some tropical rainforest, deciduous broadleaf forest, coniferous forest, grassland and artificial vegetation.

THREATENED SPECIES: *Pavo muticus* (VU)

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN260

NAME: Nabanhe Nature Reserve

CRITERIA: A1 A3

AREA: 26,660 ha

COORDINATES: 22°10'N 100°38'E

ALTITUDE: 539-2,304 m

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

GENERAL DESCRIPTION: The main habitat in the IBA is tropical forest.

THREATENED SPECIES: *Pavo muticus* (VU, population greatly reduced since 1959), *Aceros nipalensis* (VU, flocks of more than 10 birds can be seen in winter), *Sitta magna* (VU)

BIOMES: AS08: Sino-Himalayan subtropical forest; AS09: Indochinese tropical moist forest;

AS11: Indo-Malayan tropical dry zone

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN261

NAME: Xishuangbanna

CRITERIA: A1 A3

AREA: 242,510 ha

COORDINATES: 21°45'N 100°50'E

ALTITUDE: 600-2,000 m

CONSERVATION STATUS: Established as a nature reserve in 1981, and upgraded to a national nature reserve (241,775 ha) in 1986, which is divided into five patches of forest: Mengla (92,932 ha), Shangyong (30,538 ha), Menglun (11,242 ha), Mengyang (99,760 ha) and Mangao (304 ha). Xishuangbanna was designated in 1993 as a 'Biosphere Reserve' under UNESCO's Man and Biosphere (MAB) Programme.

GENERAL DESCRIPTION: The IBA is located on the south-western boundary of Yunnan, in Xishuangbanna Dai Autonomous Area which includes Jinghong, Menghai and Mengla counties. It has many wide valleys and basins, and is surrounded by low mountains. The climate is influenced by warm and moist oceanic winds from the Bay of Bengal, which allows the development of rainforest and monsoon forest.

THREATENED SPECIES: *Gyps bengalensis* (CR), *Pavo muticus* (VU), *Aceros nipalensis* (VU, flocks of more than ten birds can be seen in winter), *Sitta magna* (VU)

BIOMES: AS08: Sino-Himalayan subtropical forest; AS09: Indochinese tropical moist forest; AS11: Indo-Malayan tropical dry zone

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Parashorea chinensis*, *Cycas siamensis* and *Alsophila spinulosa*. Animals include *Panthera tigris corbetti*, *Panthera pardus*, *Neofelis nebulosa*, *Hylobates leucogenys*, *Presbytis phayrei*, *Nycticebus coucang*, *Bos gaurus* and *Elephas maximus*.



Xishuangbanna (CN261) is a famous tropical forest area in Yunnan, which supports similar biodiversity to that of South-East Asia. (PHOTO: FENG LIMIN)

IBA CODE: CN262

NAME: Huanglian Shan Nature Reserve

CRITERIA: A1 A3

AREA: 65,058 ha

COORDINATES: 22°55'N 102°15'E

ALTITUDE: 320-2,637 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (13,935 ha) in 1983, and upgraded to a national nature reserve (65,058 ha) in 2003.

GENERAL DESCRIPTION: Huanglian Shan is located in the central part of Lüchun County, in south-eastern Yunnan. It is an extension of the Ailao Shan mountain ranges. The nature reserve is 10 km from east to west, and 26 km from north to south. Most of the IBA is between 1,300 m and 2,200 m, and has prominent mountains and valleys. The main habitat type is primary subtropical broadleaf evergreen forest.

THREATENED SPECIES: *Sitta formosa* (VU)

BIOMES: AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Tetracentron sinense*, *Burretiodendron hsienmu* and *Alsophila spinulosa*.

Animals include *Neofelis nebulosa*, *Panthera tigris*, *Hylobates concolor*, *Macaca assamensis*, *Capricornis sumatraensis* and *Cervus unicolor*.

IBA CODE: CN263

NAME: Longpeng Forest Farm

CRITERIA: A1 A2

AREA: 6,630 ha

COORDINATES: 23°53'N 102°34'E

ALTITUDE: No information.

CONSERVATION STATUS: Not officially established as a nature reserve but the natural forests are protected.

GENERAL DESCRIPTION: Located in Shiping County, Honghe Prefecture. The IBA is a state forest farm where the main habitat is Yunnan pine forest.

THREATENED SPECIES: *Sitta magna* (VU)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN264

NAME: Datun Hai and Changqiao Hai

CRITERIA: A4iii

AREA: 452 ha

COORDINATES: 23°25'N 103°20'E

ALTITUDE: 1,286 m

CONSERVATION STATUS: Unprotected

GENERAL DESCRIPTION: Located in Mengzi Basin. The IBA comprises two lakes (about 1.18 km apart) surrounded by agricultural land. Datun Hai is an elongated lake and Changqiao Hai is approximately triangular in shape. The IBA is important for migratory and wintering waterbirds, with a total of more than 20,000 waterbirds recorded on migration and in winter. *Pelecanus philippensis* has been recorded but is very rare in this area.

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN265

NAME: Funing Niaowangshan

CRITERIA: A4iii

AREA: 900 ha

COORDINATES: 23°27'N 105°39'E

ALTITUDE: 1,500-1,600 m

CONSERVATION STATUS: Partially protected



GENERAL DESCRIPTION: The main habitats are grassland, scrub and agricultural land. The IBA is a migration bottleneck where about one million birds of more than 100 species pass through annually in autumn. The total number of heron species is estimated to be more than 20,000 birds. Hunting is the main threat at this site.

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN266

NAME: Wulianfeng

CRITERIA: A1 A2 A3

AREA: 793,200 ha

COORDINATES: 28°5'N 103°50'E

ALTITUDE: 350-3,188 m

CONSERVATION STATUS: The IBA includes the provincial-level Sanjiangkou Nature Reserve (680 ha) which was established in 1984. However, the reserve is too small to protect the threatened species.

GENERAL DESCRIPTION: Located in the north-eastern part of Yunnan, with the Jingsha Jiang valley to the west and north. At 3,188 m, Jingzi Shan is the highest peak in the area, while the lowest point is at 350 m in the Jingsha Jiang valley.

THREATENED SPECIES: *Arborophila rufipectus* (EN), *Grus nigricollis* (VU), *Liocichla omeiensis* (VU)

ENDEMIC BIRD AREAS: 140: Chinese subtropical forest

BIOMES: AS07: Sino-Himalayan temperate forest; AS08: Sino-Himalayan subtropical forest

IMPORTANCE TO OTHER FAUNA AND FLORA: Nationally protected plants include *Castanopsis platycantha* and *Tetracentron sinense*.

IBA CODE: CN267

NAME: Yongshan Maolin

CRITERIA: A1 A4i A4iii

AREA: 300 ha

COORDINATES: 27°39'N 103°25'E

ALTITUDE: 2,125-3,199 m

CONSERVATION STATUS: Partially protected.

General description: The main habitats are grassland and wetlands. The IBA is a migration bottleneck where up to one million birds of about 100 species pass through annually between September and November. The total number of herons (*Ardeola bacchus*, *Nycticorax nycticorax* etc) is estimated to be more than 20,000 birds.

THREATENED SPECIES: *Grus nigricollis* (VU)

CONGREGATORY WATERBIRDS: *Grus nigricollis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN268

NAME: Dashanbao Nature Reserve

CRITERIA: A1 A4i

AREA: 19,200 ha

COORDINATES: 27°25'N 103°19'E

ALTITUDE: 2,215-3,364 m

CONSERVATION STATUS: Established as a provincial-level nature reserve (19,200 ha) in 1990, and subsequently upgraded to a national nature reserve. Dashanbao was designated in 2004 as a 'Wetland of International Importance' (or Ramsar site) under the Ramsar Convention on Wetlands.

GENERAL DESCRIPTION: Located on the Yunnan-Guizhou Plateau, near the Sichuan-Guizhou border.

THREATENED SPECIES: *Grus nigricollis* (VU, up to 1,300 birds winter annually)

CONGREGATORY WATERBIRDS: *Grus nigricollis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN269

NAME: Fangshan Nature Reserve

CRITERIA: A1 A2

AREA: 733 ha

COORDINATES: 26°10'N 101°47'E

ALTITUDE: 2,200-2,377 m

CONSERVATION STATUS: Established as a prefecture-level nature reserve in 1982.

GENERAL DESCRIPTION: Located in Yongren County, Chuxiong Prefecture. The main habitat is Yunnan pine forest, with some evergreen broadleaf forest, scrub and grassland. Forest cover is 70% and it is well protected. Tourism for residents of nearby Panzhihua City has been developed in recent years.

THREATENED SPECIES: *Sitta magna* (VU, population of c.30 birds estimated in 2007)

ENDEMIC BIRD AREAS: 139: Yunnan mountains

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN270

NAME: Jiaozi Xueshan Nature Reserve

CRITERIA: A3

AREA: 16,193 ha

COORDINATES: 26°05'N 102°53'E

ALTITUDE: 2,300-4,344 m

CONSERVATION STATUS: A provincial-level nature reserve which was established in 1994.

GENERAL DESCRIPTION: Jiaozi Xueshan is a high mountain in central Yunnan with snow cover from November to April. It has an isolated population of *Ithaginis cruentus* but its taxonomy has not been studied. No scientific study has been conducted but this area is believed to be of ornithological interest.

BIOMES: AS07: Sino-Himalayan temperate forest

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN271

NAME: Huize Black-necked Crane Nature Reserve

CRITERIA: A1 A4i

AREA: 11,387 ha

COORDINATES: 26°30'N 103°30'E

ALTITUDE: 2,500 m

CONSERVATION STATUS: Established at the provincial level as Huize Chang Haizi and Daqiao Shuiku Nature Reserve (11,387 ha) in 1990, and upgraded to a national nature reserve in 2005.

GENERAL DESCRIPTION: The IBA includes Chang Haizi and Daqiao Shuiku, two small reservoirs in Huize County. The reservoirs and the nearby agricultural land are foraging and roosting sites of wintering *Grus nigricollis*.

THREATENED SPECIES: *Grus nigricollis* (VU)

CONGREGATORY WATERBIRDS: *Grus nigricollis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.

IBA CODE: CN272

NAME: Henghe Liangzi

CRITERIA: A1 A4i

AREA: 3,068 ha

COORDINATES: 25°35'N 103°12'E

ALTITUDE: 2,600-3,000 m

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

GENERAL DESCRIPTION: The main habitats in the IBA are wetlands and agricultural land.

THREATENED SPECIES: *Grus nigricollis* (VU)

CONGREGATORY WATERBIRDS: *Grus nigricollis*

IMPORTANCE TO OTHER FAUNA AND FLORA: No information.