

Dramatic decline of the Vulnerable Reeves's pheasant *Syrnaticus reevesii*, endemic to central China

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TABLE S1 The population status of Reeves's pheasant *Syrnaticus reevesii*, the main threats to or causes of extinction of the pheasant at the 89 sites surveyed (Fig. 1), and the survey methods used.

| Site ¹ | Population status ² | Cause of extinction/main threats | Survey methods ³ |
|-------------------|--------------------------------|---|-----------------------------|
| Anhui | | | |
| Zhufoan | Decline | Agricultural transformation, poaching, poison | ILP, LT |
| Manshuihe | Decline | Poison, poaching | ILP |
| Tiechong | Decline | Agricultural transformation, poaching | ILP |
| Banzhuyuan | Decline | Poaching, deforestation | ILP, LT |
| Tianma NR | Decline | Poaching | ILP, LT |
| Tianzhushan FP | Vanished** | Poaching | ILP |
| Beizhong | Decline↓ | Deforestation, poaching | ILP, LT |
| Yaoluoping NR | Decline | Poaching | ILP, LT |
| Guizhou | | | |
| Daqian | Vanished** | Poaching | ILP |
| Pingshan FF | Vanished* | Poaching | ILP |
| Qiangbai FF | Vanished*** | Unknown | CP |
| Fanjingshan NR | Vanished*** | Unknown | CP |
| Lengshuihe NR | Vanished* | Poison, poaching | ILP |
| Zhangbu | Vanished*** | Unknown | CP |
| Siyetun | Vanished* | Poaching | ILP |
| Gaoping | Decline↓ | Agricultural transformation | ILP, LT |
| Dahe NR | Decline | Poison, agricultural transformation | ILP |
| Qinggangtang | Vanished** | Poison, poaching | CP |
| Shuibatang | Vanished* | Poison, poaching, agricultural transformation | ILP |
| Tuoda NR | Decline↓ | Deforestation, mining | ILP, LT |
| Longchang FF | Vanished** | Deforestation | CP |
| Xishui NR | Vanished** | Poaching | CP |
| Mayanghe NR | Decline | Agricultural transformation, poison, poaching | ILP, LT |
| Shawan | Vanished*** | Agricultural transformation | CP |
| Henan | | | |
| Fangji | Vanished*** | Poaching | ILP |
| Dongzhai NR | Decline | Inappropriate management, poaching | ILP, LT |
| Magutian | Decline↓ | Poaching | ILP, LT |
| Huangbaishan FF | Decline | Deforestation, poaching | ILP, LT |
| Suxiantai | Vanished* | Poaching | ILP |
| Tongbaishan | Decline | Poaching | ILP, LT |
| Liankangshan NR | Decline | Poaching | ILP, LT |
| Jigongshan NR | Stable | Poaching | ILP, LT |
| Hubei | | | |
| Tiechanghuang FF | Decline | Poaching | ILP, LT |
| Xianjuding FF | Decline↓ | Deforestation | ILP, LT |
| Jiudao | Decline | Poaching | ILP, LT |
| Shangkang | Decline↓ | Poaching | ILP, LT |

| | | | |
|-----------------|-------------|---|---------|
| Daguisi FP | Stable | Poaching | ILP, LT |
| Zhonghuashan FF | Decline | Poaching | ILP, LT |
| Huashan FF | Decline | Poaching, deforestation | ILP, LT |
| Tiantaishan FP | Decline | Poaching, tourism development | ILP |
| Liulin | Vanished*** | Poaching, deforestation | ILP |
| Xingdoushan NR | Vanished* | Poaching | ILP |
| Fubaoshan | Vanished** | Poaching | ILP |
| Shengli | Decline | Poaching | ILP, LT |
| Sanhekou | Vanished* | Poaching | ILP |
| Datong | Decline | Poaching | ILP, LT |
| Muyu FF | Decline | Poaching, tourism development | ILP, LT |
| Songluo FF | Decline | Poison | ILP, LT |
| Hongping FF | Decline | Poison | ILP, LT |
| Houhe NR | Vanished* | Inappropriate management, poaching | ILP |
| Santaipo | Vanished** | Poaching | ILP |
| Longmen | Vanished* | Poaching, tourism development | ILP |
| Dalaoling NR | Decline | Inappropriate management | ILP, LT |
| Caopandi | Decline | Poaching | ILP, LT |
| Huojiaping | Vanished*** | Poaching | CP |
| Fujiaping | Vanished*** | Poaching | ILP |
| Gebianhe | Decline | Poaching | ILP, LT |
| Gaozihe | Vanished** | Poaching | ILP |
| Hunan | | | |
| Badagongshan NR | Vanished** | Inappropriate management, poaching | ILP |
| Hupingshan NR | Vanished** | Inappropriate management, poaching | CP |
| Xiaoxi NR | Vanished** | Inappropriate management, poaching | CP |
| Shaanxi | | | |
| Wazhaizi | Decline | Poaching, poison | ILP, LT |
| Liziba | Decline | Poaching, poison | ILP, LT |
| Yueba | Decline | Poaching, poison | ILP, LT |
| Jiudian | Decline↓ | Poaching | ILP, LT |
| Huangnipu | Vanished** | Poaching | ILP |
| Sangyuan NR | Vanished** | Poaching | ILP |
| Pingheliang NR | Decline | Poaching | ILP, LT |
| Simudi | Decline | Poaching, deforestation | ILP, LT |
| Luohe | Vanished* | Poison, poaching | ILP |
| Raofeng | Decline | Poison, poaching | ILP, LT |
| Shuanghe | Vanished* | Poaching, deforestation | ILP |
| Erlangba | Decline | Poaching | ILP |
| Tingshui | Decline↓ | Poaching | ILP, LT |
| Bayi | Decline | Poison, poaching | ILP, LT |
| Guanshan | Vanished** | Poaching | ILP |
| Miaoba | Decline | Poaching | ILP, LT |
| Qijiashan | Decline | Poaching | ILP, LT |
| Huayuan NR | Decline↓ | Poaching | ILP, LT |
| Pingan | Vanished*** | Poaching, poison, agricultural transformation | ILP |
| Badian | Vanished*** | Poaching | ILP |
| Dashengzhai | Decline↓ | Mining, poison | ILP |
| Xinglong | Vanished* | Poaching | ILP |

| | | | |
|------------------|-------------|--------------------------|---------|
| Xiaohe | Vanished** | Poaching | ILP, LT |
| Chongqing | | | |
| Mazui | Vanished*** | Poaching | ILP |
| Wulipo NR | Vanished** | Unknown | CP |
| Yintiaoling NR | Decline | Inappropriate management | ILP |
| Nanmu | Vanished* | Poaching, deforestation | ILP |
| Guanqing | Vanished* | Poaching, deforestation | ILP |

¹FP, Forest Park; NR, Nature Reserve; FF, Forest Farm

²Derived from interviews and a comparison between the current and past surveys; *, absent for 10–15years; **, absent for 16–25years; ***, absent for >25 years; ↓, a Critically Endangered population according to our survey

³LT, line transects; ILP, interview with local people; CP, correspondence with local researchers

TABLE 3 Hunting and poaching of Reeves's pheasant from 1960 to 2012, by province, county and site, with the date and number hunted, source and notes.

| County (by province/municipality) | Site* | Date | No. hunted | Source | Notes |
|-----------------------------------|---------------|-----------|------------|-------------------------|-------------------------------|
| Anhui | | | | | |
| Huoshan | Manshuihe | 1974–1976 | 983 | (Zheng & Wang, 1998) | Wenzhou Specimen factory |
| | Manshuihe | 1981 | 250 | (Hu & Wang, 1981) | Local trade department |
| Yuexi | Yaoluoping NR | 2011 | 1 | Line transects | Illegal hunting for plumage |
| Guizhou | | | | | |
| Bijie | Zhuchang | 1978 | 20 | (Wu & Xu, 1987) | Local trade department |
| Dafang | Lihua | 1978 | 2 | (Wu & Xu, 1987) | Local trade department |
| Hezhang | Pingshan FF | 1990–1995 | >15 | Interviews (this study) | Illegal hunting for meat |
| Sinan | Siyetun | 1995–2002 | >20 | Interviews (this study) | Illegal hunting for meat |
| Suiyang | Qinggangtang | 1984 | 9 | (Wu & Xu, 1987) | Hunting for meat |
| Henan | | | | | |
| Luoshan | Dongzhai NR | 2012 | 1 | Line transects | Illegal hunting for meat |
| Shangcheng | Suxiantai | 2005 | 1 | Interviews (this study) | Illegal hunting for meat |
| Hubei | | | | | |
| Fangxian | Shangkang | 2005–2010 | >10 | Interviews (this study) | Illegal hunting for meat |
| Guangshui | Huashan FF | 2001–2011 | >40 | Interviews (this study) | Illegal hunting for plumage |
| | Daguisi FP | 2011 | 18 | Interviews (this study) | Illegal hunting for plumage |
| | Daguisi FP | 2012 | 1 | Line transects | Illegal hunting for plumage |
| Qichun | Datong | 2011 | 5 | Interviews (this study) | Illegal hunting for plumage |
| Wufeng | Houhe NR | 1997 | 70 | (Yang et al., 1999) | Local trade department |
| Zhuxi | Gebianhe | 2001–2011 | 15 | Interviews (this study) | Illegal hunting for meat |
| Hunan | | | | | |
| Xiangxi | | 1982–1986 | >300 | (Yang et al., 1990) | Local trade department |
| Shaanxi | | | | | |
| Foping | Liziba | 2009–2011 | 32 | Interviews (this study) | Illegal hunting for specimens |
| | Wazhaizi | 2009–2011 | 40 | Interviews (this study) | Illegal hunting for specimens |
| Shiquan | Raofeng | 2009–2011 | 11 | Interviews (this study) | Illegal hunting for meat |
| Chongqing | | | | | |
| Youyang | | 1960–1970 | 700–800 | (Yang et al., 1990) | Local trade department |
| Youyang | Nanmu | 1990–2000 | >10 | Interviews (this study) | Illegal hunting for plumage |

*NR, Nature Reserve; FF, Forest Farm; FP, Forest Park