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40GPS

2810

PTT 1010 d448.34 ± 309.80 m68 753.99 ±

59 706.90 m²20 d21 ~ 50 d

51 ~ 70 d71 ~ 80 d

81 ~ 90 d101 018.71 ± 70.48 m

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Movement range and variation of *Syrmaticus reevesii* in the early stage after release in the wild

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Abstract To strengthen the protection of rare and endangered wild pheasant species and promote the rejuvenation of rare and endangered pheasant populations we studied 40 artificially breeding *Syrmaticus reevesii* released in the Huping Mountain National Nature Reserve in Hunan Province in September 2021 and the infrared automatic digital camera and GPS satellite positioning signal transmitter were used to monitor the objects. The results showed that 28 independent-and-effective photos of *Syrmaticus reevesii* were obtained with the infrared camera. Platform transmitter terminals were installed on 10 *Syrmaticus reevesii* and the movement distance was observed as 448.34 ± 309.80 m and the activity range was 68 753.99 ± 59 706.90 m² every 10 days. The Reeves's pheasant's movement distance and activity range were small and steady in the first 20 d after released gradually increased in 21 ~ 50 d and slightly decreased in 51 ~ 70 d gradually increased to the highest values in 71 ~ 80 d and decreased in 81 ~ 90 d. The average distribution altitude of *Syrmaticus reevesii* was 1 018.71 ± 70.48 m which was consistent with the ecological characteristics of the species. In this study it

is suggested to strengthen the field training and expand the field release range so as to promote the success rate of the pheasant release.

Key words *Syrmaticus reevesii* reintroduction platform transmitter terminals movement range

Syrmaticus reevesii

Galliformes Phasianidae
Syrmaticus

1

IUCN 2

200 ~

2 600 m 1 1999

25 000

3 4 5 6-9
10 11-13

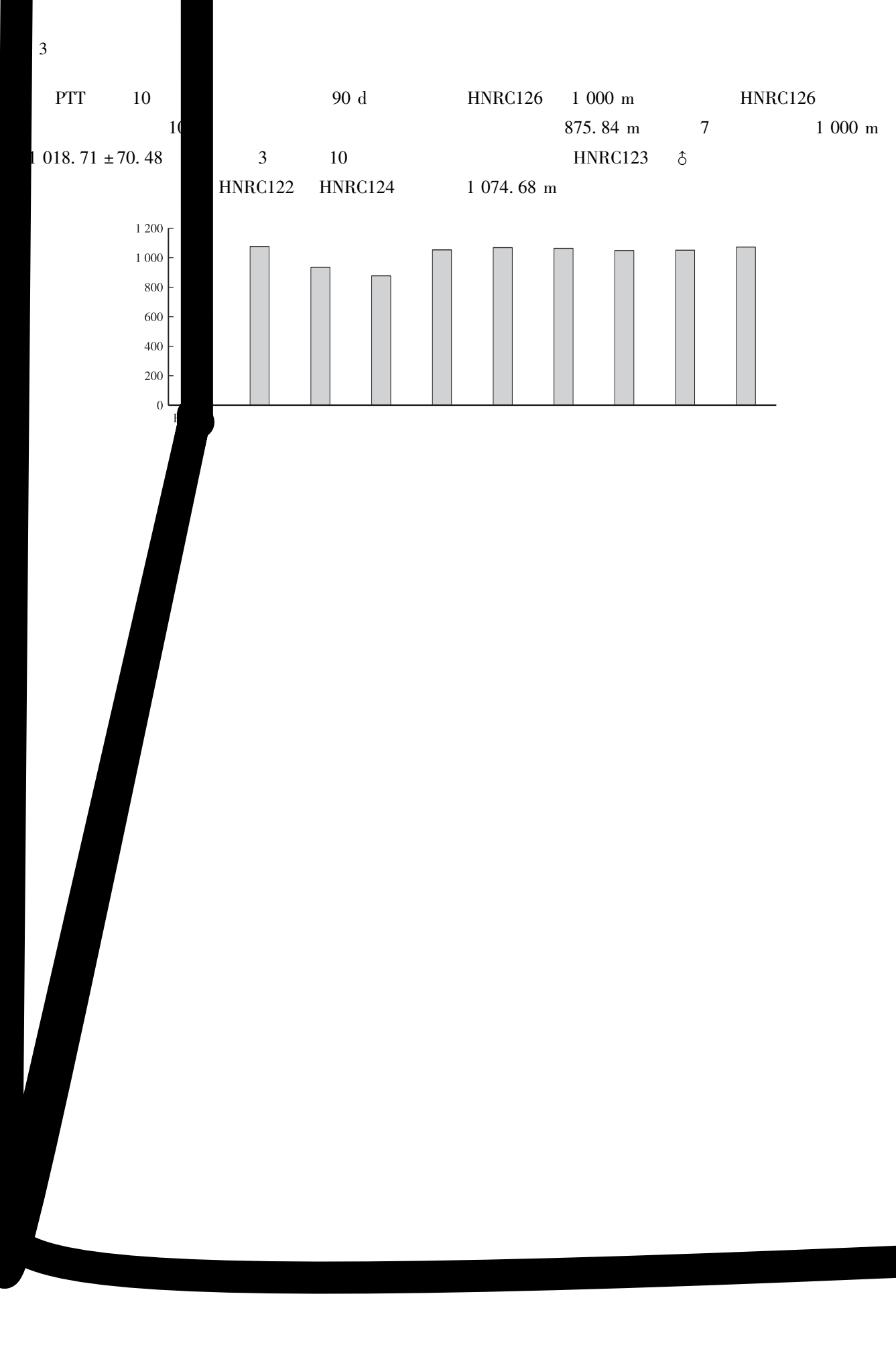
GPS 00 0 ~

1

110° 29' 09"—
110°58'37"E 29°50'12"—30°07'46"N
66 568 hm²

9.2 °C
1 898.5 m 86.5%
98.7%

00¹⁴ €



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