**Supplementary Material**

Current status of the Critically Endangered Black-winged Trumpeter (*Psophia obscura*) in one of its last strongholds

ELILDO A.R. CARVALHO JR, ELOÍSA N. MENDONÇA, ALEXANDRE M. C. LOPES and TORBJØRN HAUGAASEN

**Contents**

Table S1. Summary information about camera-trap sampling at Gurupi Biological Reserve.

Figure S1. Posterior distribution of beta coefficients representing the effects of covariates on Black-winged Trumpeter occupancy probabilities.

Figure S2. Mean and 95% posterior credible interval for between-year growth rate (λ) for Black-winged Trumpeter at Gurupi Biological Reserve, 2016-2020.

Figure S3. A camera-trap record of a *Psophia obscura* group at Gurupi Biological Reserve.

Table S1. Summary information about camera-trap sampling at Gurupi Biological Reserve. Mean effort is the mean number of days cameras were operational in a given year. Total effort is the sum of the effort in days of all individual cameras in a given year. Photos is the number of Black-winged Trumpeter photos obtained in a given year. Detection events is the number of independent (>60 minute- interval) detections of Black-winged Trumpeter obtained in a given year.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | N. sites | Mean effort | Total effort | Photos | Detection events |
| 2016 | 57 | 30 | 1710 | 534 | 38 |
| 2017 | 59 | 30 | 1770 | 282 | 20 |
| 2018 | 57 | 30 | 1710 | 927 | 49 |
| 2019 | 60 | 30 | 1727 | 469 | 42 |
| 2020 | 59 | 30 | 1757 | 664 | 32 |



Figure S1. Posterior distribution of beta coefficients representing the effects of covariates on Black-winged Trumpeter occupancy probabilities.



Figure S2. Mean and 95% posterior credible interval for between-year growth rate (λ) for Black-winged Trumpeter at Gurupi Biological Reserve, 2016-2020.



Figure S3. A camera-trap record of a *Psophia obscura* group at Gurupi Biological Reserve.