**S2 Table. Birth details.** Pregnancies and confirmed litters for eight female wild dogs in Gorongosa National Park between June 2018 and September 2020.

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| --- | --- | --- | --- |
| **Pack** | **Breeding female(s) name – dominance status** | **Years** | **Details** |
| Gorongosa | Beira – alpha1 | 2018 | Alpha became pregnant, went underground to den and confirmed lactating during July. No pups emerged from den. Pack abandoned den in August. Large African rock python observed leaving the den in August shortly after pack left the den. |
| Gorongosa | Beira – alphaNhamagaia – beta | 2019 | Alpha and one subordinate female became pregnant. Both females’ litters emerged from dens with females raising them collectively. |
| Cheza | Nhagutua – alpha2 | 2019, 2020 | Alpha became pregnant, denned and litters emerged from dens. |
| Gorongosa | Beira – alphaNhamagaia – beta1Ndarassica – gamma | 2020 | Alpha and two subordinate females became pregnant and denned. We only observed two females’ litters to emerge from the dens (i.e. beta female’s litter never confirmed despite her obvious signs of pregnancy and denning briefly (2.5km away) as the gamma female). |
| Pwadzi | Matenga – presumed alphaMutiabamba – alphaMunhangana – beta | 2020 | Presumed alpha suspected denning, but found dead in her den. New alpha and one beta female confirmed pregnant and denned. However, the beta left pack during denning (she began denning before the alpha) and the beta is raising the pups alone (S3 Table). Both the alpha and beta females’ litters emerged from their respective dens.  |
| Mopane | Sapirandzi – alpha2 | 2020 | Alpha became pregnant, denned and litter emerged from den. |

1when no pups were confirmed, 2only one female in the pack