**Supplementary Material**

Camera-trapping successfully and non-invasively reveals the presence, activity and habitat choice of the Critically Endangered White-winged Flufftail *Sarothrura ayresi* in a South African high-altitude wetland

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Table S1.Site-specific details for camera trap placements, including vegetation age, dominant vegetation community, water depth and distance to wetland edge (m). The camera trap yielding White-winged Flufftail sightings is highlighted in bold. Water depth, displayed as 1 (< 3 cm), 2 (3 – 10 cm) and 3 (> 10 cm), was recorded at three-day intervals and is provided below as an average for the start, mid and end of survey period.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Camera | Vegetation Age | Dominant Vegetation Community | Water Depth | Distance to edge (m) |
| Start | Mid  | End |
| **1** | 4 months | Typha-sedge | 2 | 3 | 2 | 160 |
| 2 | 4 months | Sedge | 3 | 2 | 2 | 60 |
| 3 | 4 months | Sedge-forb | 3 | 3 | 2 | 125 |
| 4 | 4 months | Sedge-forb | 3 | 3 | 2 | 135 |
| 5 | 4 months | Sedge-forb | 3 | 3 | 2 | 70 |
| 6 | 4 months | Phragmites | 3 | 3 | 3 | 180 |
| 7 | 4 months | Sedge | 2 | 1 | 3 | 50 |
| 8 | 4 months | Sedge | 2 | 2 | 2 | 120 |
| 9 | 4 months | Phragmites | 2 | 3 | 3 | 250 |

Table S2.Non-target species recorded during the camera trap survey.

|  |  |
| --- | --- |
| **Common Name** | **Scientific Name** |
| Avian:Southern Red Bishop | *Euplectes orix* |
| Familiar Chat | *Cercomela familiaris* |
| Levaillant's Cisticola | *Cisticola tinniens* |
| Cape Longclaw | *Macronyx capensis* |
| African Quail-finch | *Ortygospiza fuscocrissa* |
| African Stonechat | *Saxicola torquatus* |
| Cape Wagtail | *Motacilla capensis* |
| Lesser Swamp Warbler | *Acrocephalus gracilirostris* |
| Little Rush Warbler | *Bradypterus baboecala* |
| Common Waxbill | *Estrilda astrild* |
| Cape Weaver | *Ploceus capensis* |
| Southern Masked Weaver | *Ploceus velatus* |
| Long-tailed Widowbird | *Euplectes progne* |
| Mammalian: |  |
| Water Mongoose | *Atilax paludinosus* |
| Cape Clawless Otter | *Aonyx capensis* |
| Serval | *Leptailurus serval* |
| Common Reedbuck | *Redunca arundinum* |
| Domestic Cow | *Bos taurus* |
| Reptilian: |  |
| Whip snake spp. | *Psammophis spp.* |

Figure S1. Total and monthly rainfall (mm) received across the broader study site during the survey period (November 2016 to February 2017).