

Short Note

Home range and habitat use of two sympatric crocodylians (*Melanosuchus niger* and *Caiman yacare*) under changing habitat conditions

Paola De la Quintana^{1,2,*}, James Aparicio^{1,2}, Luis F. Pacheco^{1,2}

1 - Red de Investigadores en Herpetología, La Paz, Bolivia

2 - Colección Boliviana de Fauna, Instituto de Ecología, Carrera de Biología, Universidad Mayor de San Andrés, La Paz, Bolivia

*Corresponding author; e-mail: paola.d.c.1186@gmail.com

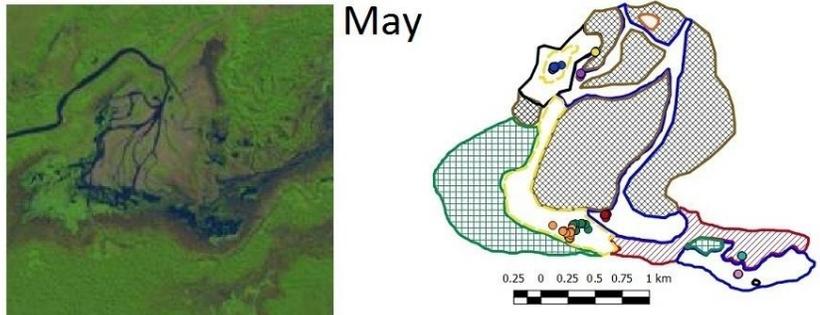
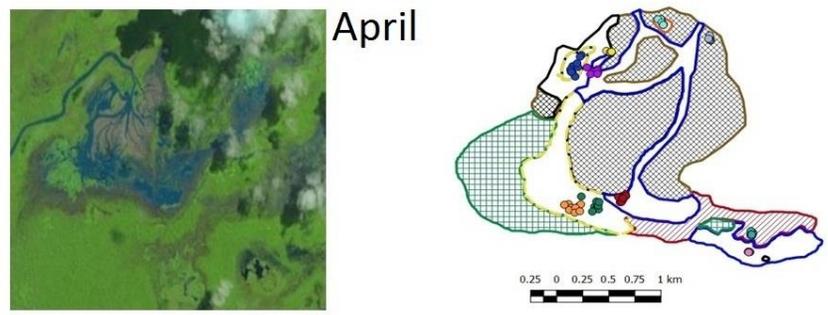
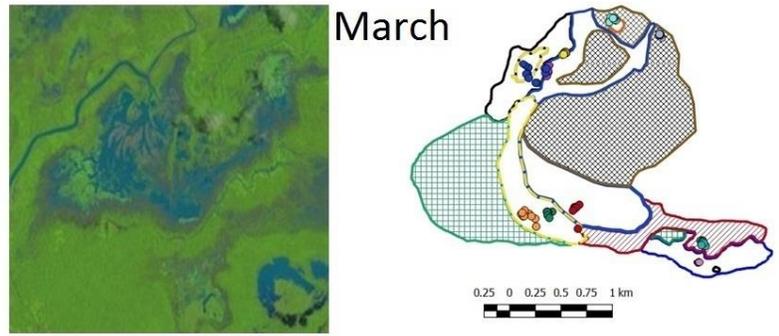
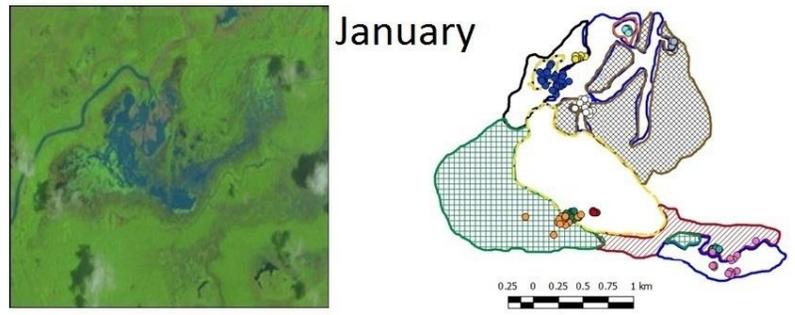
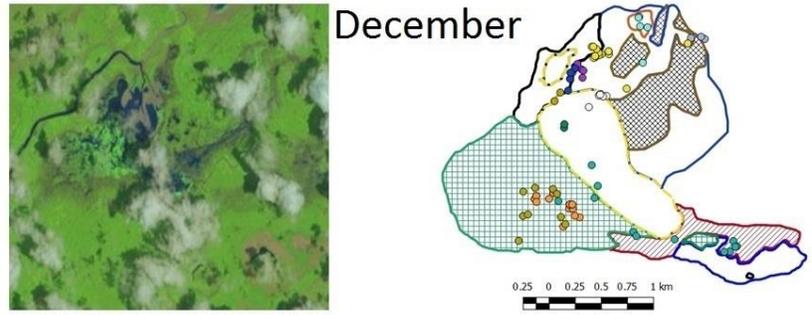
Supplementary material

Table S1. Characteristics of habitats determined in the study area.

Habitat	Description
Open water	Sector without vegetation usually because of the water current. Depth range: 80 to 205 cm.
Islands	The heterogeneous sector formed by Islands of plants (<i>Hymenachne</i> and / or <i>Eichhornia</i>). These Islands are interspersed with Open water areas, which changed their location or size over the months. Depth range: 40 to 200 cm.
Flooded forest	Sector of the forest that was invaded by water, without aquatic grasses. Depth range: 150 to 180 cm.
Swamp of cyperaceae	Predominantly covered by aquatic grasses, mainly <i>Panicum</i> , <i>Hymenachne</i> , <i>Oxycarium</i> and <i>Paspalum</i> . Accessing this habitat type with a boat is highly difficult. Depth range: 140 to 260 cm.
Beach	Area formed by the sediment trawl that accumulates over time and dries slowly forming muddy areas. Depth range: 0 to 20 cm.
Flooded grassland	Herbs of <i>Hymenachne donacifolia</i> and/or <i>Hymenachne amplexicaulis</i> semi-floating, uniform and large, they can be in shallow water and are floating in deeper water. Depth range: 90 to 210 cm.
Open swampy	Dry or dead trees completely covered by climbing plants. This type of forest is characterized by forming a shelter on the surface of the water.

forest Depth range: 150 to 220 cm.

Figure S1. Changes of the Cedral lagoon according to the gradual invasion of the Maniqui river.



Legend

- | | | | | |
|--------------------|--------------------|-----|------|-----|
| Beach | Isalnds | Mn2 | Mn8 | Cy2 |
| Open swampy forest | Open water | Mn4 | Mn9 | Cy3 |
| Flooded grassland | Cyperaceae Marshes | Mn5 | Mn10 | Cy4 |
| Flooded forest | | Mn7 | | |

Figure S2. Monthly characteristics a) Proportion of each habitat and b) Water depth of the habitats after overflow of the Maniqui River into Cedral Lagoon.

