

## Remarks on the type locality of *Corydoras longipinnis* KNAACK, 2007.

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### Abstract

The recently published description of *Corydoras longipinnis* contains four passages with information about the type locality and one on the further distribution of the species. The provided data are contradictory regarding to the type locality and the present paper aims to identify the correct position. A map and GPS data, both missing in the original paper, are provided.

### Data

Knaack (2007) gives information about the type locality in four passages of his paper: (1) in the title and (2) the legend of figure 47 naming the 'río Dulce', both without referring to the name of a province, (3) with the collection data of the holotype as 'Provinz Santiago del Estero, System río Parana, río Salí' and (4) in his passage Locus typicus as 'Argentinien, Prov. Santiago del Estero, System río Paraná, río Dulce, etwa 20 km unterhalb Termas de río Hondo, Nebenarm'. The last one could be translated from German as 'Argentina, province of Santiago del Estero, río Paraná basin, río Dulce, some 20 km downstream Termas de río Hondo, sidearm'. In both passages, the Locus typicus and the collection data of the holotype, the type locality is given for the province Santiago del Estero. To this point of the paper it remains unclear if the type locality is Río Salí or Río Dulce.

In the passage on 'Lebensraum und Fang' (habitat and capture) Knaack informs that single specimens were captured in the lower sections of Seco and Salí rivers, but no preserved specimens from these localities are listed in the paper. Río Dulce is the effluent of the dam lake Embalse Río Hondo, which here forms the political border between the provinces Tucuman and Santiago del Estero. Río Salí is one of the affluents of the lake and Río Seco is a tributary of Río Salí (figure 1). As the basin of Río Salí is restricted to the territory of the province of Tucuman, a locality from this river located in the province Santiago del Estero, as given with the collection data of the holotype, does not exist. Following the only precise and conclusive data provided in the section Locus typicus and the impossibility of the data given with the holotype, the Río Dulce some 20 km downstream from Termas de Río Hondo has to be considered to be the type locality. The approximate location is shown in figure 1 as red dot. As Knaack does not provide a map or GPS data about the type locality the approximate position is tentatively localized by combined usage of a paper map (ACA) and Google Earth (2007, v.



Figure 1. Map showing the localities of the rivers Salí and Seco in Tucuman province (green background west of the dotted line) and of Río Dulce and the town of Termas de río Hondo in Santiago del Estero province. Map shows an area of approximately 115 WE x 45 NS km. Red dot shows the assumed position of the type locality.

4.1). At 27°29'21"S, 64°41'58"W Google Earth shows an isolated area of sidearms some 20 km downstream from Termas de Río Hondo that resembles both, the habitat information provided in the paper and the kind of habitat shown in figure 47 of the paper (figure 2). It is proposed to use these GPS data until Knaack might provide more detailed information in future publications.

Knaack mentions specimens of longfinned *Corydoras paleatus* received by Seuss from Fernández Santos in 1995. These animals have been caught in the province of Buenos Aires on road 25 between Pilar and Moreno at 34°29'05"S 58°53'42"W (Google Earth) (pers. comm. Fernández Santos, 19.viii.2007).

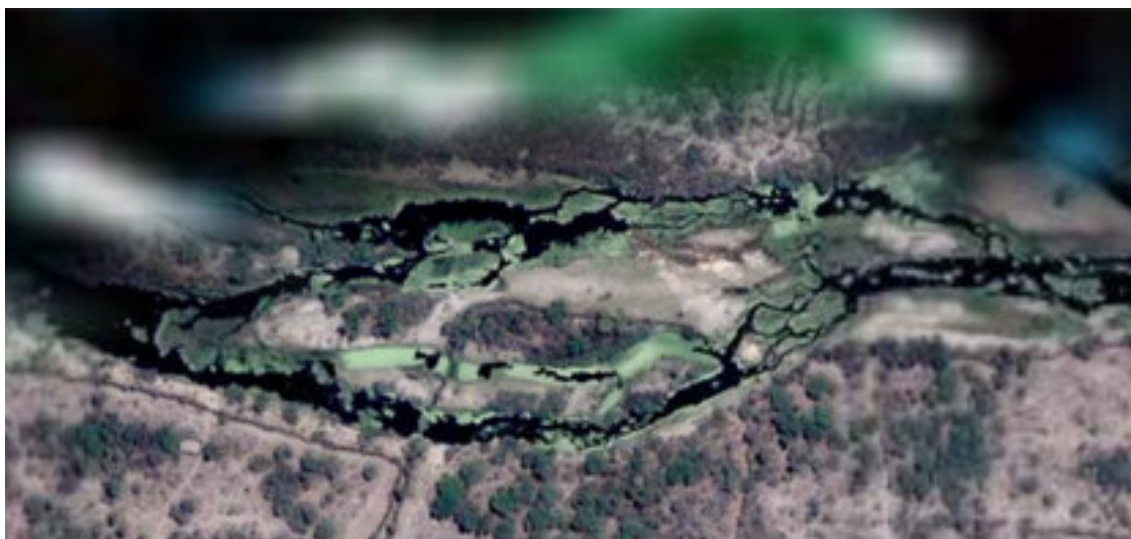


Figure 2. Area of sidearms as shown by Google Earth at 27°29'19"S, 64°41'55"W (centre of figure). Small streams with bushes in the margins resemble the habitat shown in fig. 47 of Knaack's paper. Searching Google Earth some kilometres up- and downstream from this position no other similar area can be found.

## References

- ACA - Automóvil Club Argentino (no year of publication): Map of the province of Santiago del Estero, Argentina. Publicación 907, 5.000-9-89
- Knaack, J. (2007): Beitrage zur Kenntnis der Callichthyidae (Teleostei: Siluriformes). III. *Corydoras longipinnis* sp. n. – ein neuer Panzerwels aus dem río Dulce in Argentinien (Teleostei:Siluriformes: Callichthyidae). *Vertebrate Zoology* 57 (1): 35-55

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