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PRESENT KNOWLEDGE ON THE GIANT OTTER IN ARGENTINA

Anibal F. Parera

Arirái Project, Tonelero 6848, 1408 Buenos Aires, Argentina

Abstract: Historical records and local records were used to survey sightings of the giant otter, *Pteronura brasiliensis*, in northern Argentina. Forty years ago, most sightings were of family groups, whereas now fewer otters are seen, mostly as pairs or solitary animals. Argentina is the extreme southern edge of their range, and pressure from hunting, habitat destruction, disturbance and population fragmentation may be enough to severely affect the population. Reintroduction into Iguazi National Park may be possible.

The giant otter *Pteronura brasiliensis* is regarded as one of the most endangered mammals in Argentina (Chehebar 1990). A literature search revealed eleven references to sightings of giant otters in Argentina between 1780 and 1991: only four of which related to the present century. These records are indicated in Figure 1.

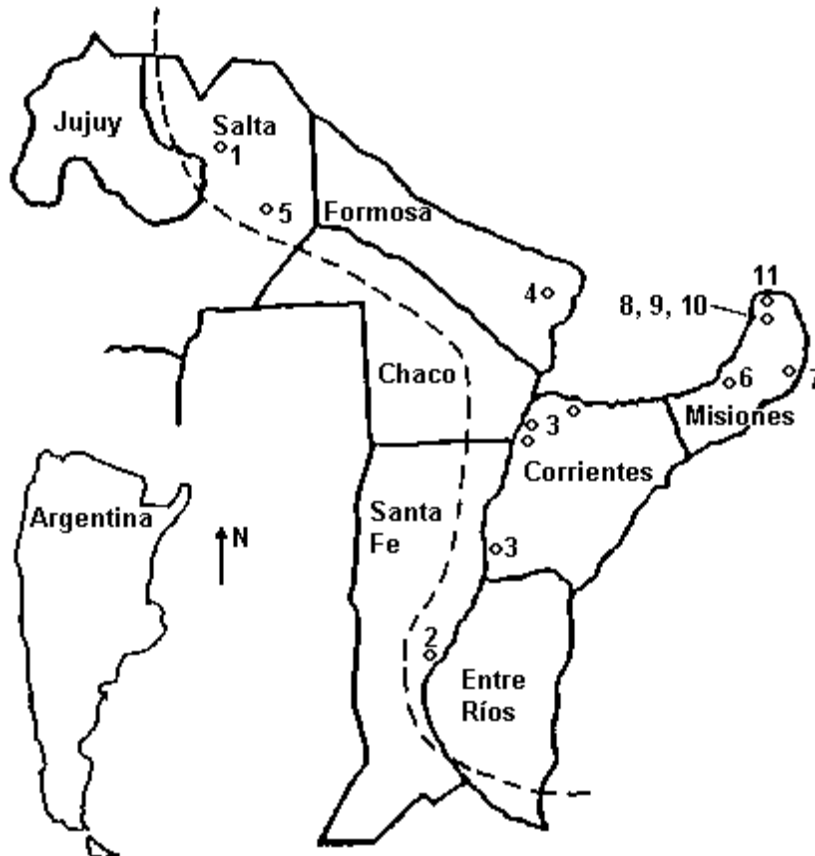


Figure 1: Published records of giant otter distribution. The numbers refer to references (available from the author).

Since 1989 field surveys have been carried out to determine possible presence in areas from : which the otter was previously recorded. Searches along rivers were conducted and local people, particularly hunters, fishermen and boatmen, were questioned. The searches revealed very little information, but from the enquiries 53 records of occurrence of the giant otter were compiled (Figure 2).



Figure 2. Distribution of local sightings of familiar groups (#) and lone animals or pairs (o).

P. brasiliensis is a social mustelid, forming close familiar groups, consisting of a stable adult pair together with their cubs and sub-adults (Duplaix 1980; Munn 1985). I considered three or more animals as a familiar group. If the data on groups and lone animals in current and former times are considered (Figure 3) one sees that there is a marked decline in the percentage of familiar groups (Figure 4).

ANTIQUITY OF THE OBSERVATION

Province \ Years	40 - 25	25 - 10	10 - today
Corrientes	##### ****	##### ****	***** *****
Misiones	***	***	*****
Chaco		#	
Santa Fe	#		

Figure 3. Data obtained from local people on familiar groups (#) and lone animals or pairs (*)

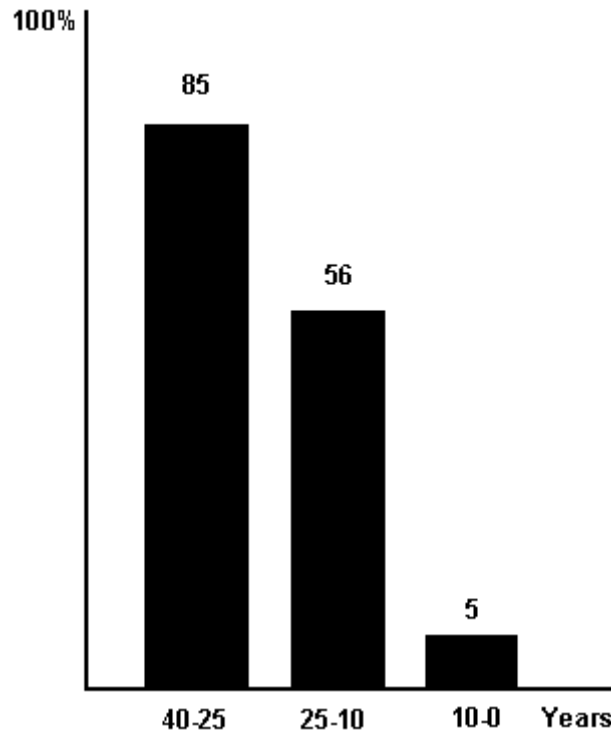


Figure 4. Percentage of observations of familiar groups in each period (data from literature)

Causes of disappearance are not clear. The commercial hunting of giant otters does not seem to have been important in Argentina in recent decades, but this does not mean that heavy hunting pressure in the past, combined with other factors, provoked the decline of the species.

Some of these factors could be:

- Disturbance by humans and dogs : the most important river courses of La Plata basin are occupied by people.
- Decline in some prey items, owing to overfishing, particularly in both Paraná and Uruguay rivers.
- Habitat destruction at certain localities.
- Isolation of remaining populations without any nearby healthy populations of recolonisation.

It is important to recognise that the giant otter in the Argentinean Mesopotamia occupies the southernmost part of its range, so minor changes in some ecological factors could affect populations more drastically than in the typical tropical areas.

There are very few places suitable for the reintroduction of giant otters. Iguazi National Park could be a prime area. It contains more than 80 km of suitable habitat and otters have been recently recorded (Perara & Bosso 1991).

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