

1. Tchimpounga Chimpanzee Rehabilitation Center (TCRC)

The Tchimpounga Chimpanzee Rehabilitation Center (TCRC) was established in 1992 through a cooperative agreement between JGI and the Government of Congo – Ministère de l'Economie Forestière (MEF). The TCRC is situated wholly within the TNR. Since the time of its establishment, TCRC's primary objective has been to shelter and rehabilitate orphan chimpanzees confiscated by the local authorities in their fight against trafficking and poaching.

Since its establishment, the Congolese authorities have confiscated a steady flow of orphaned chimpanzees who were victims of the relentless illegal hunting and trading of chimpanzees. These chimpanzees are being looked after at the TCRC. The center which was originally designed to accommodate only 60 chimpanzees now provides shelter and care for more than 140 of these endangered animals. In addition to the chimpanzees under our care, there are also 6 mandrills and 4 monkeys at the sanctuary.

The group composition for the chimpanzees at the sanctuary is as follows:

GROUP	# OF CHIMPS	# OF MALES	# OF FEMALES	AGE RANGE
"DORMITORY"				
Group 1	24	15 males	9 females	20-30 years old
Group 2	33	11 males	22 females	10-20 years old (& 4 infants 2-4 years old)
Misc. group	11	10 males	1 female	mid-teens-20 years old
La Vielle	1	N/A	1 female	42 years old
Group 3	29	22 males	7 females	8-16 years
"BASE"				
Group 4	39	18	21	3-9 years old
"NURSERY"				
Infant Group	4	4 males	N/A	3 years old
TOTAL	141	80 males	61 females	

The TCRC has an annual operating budget of more than **\$600,000 (USD)** which includes (but is not limited to) funding for; personnel, field equipment and tools, running costs and maintenance of the existing infrastructure and equipment, veterinary care, and food for the chimpanzees/mandrills/monkeys.

In support of these operational expenses, in June of 2008, JGI Canada provided financial support to the sanctuary, including **\$10,000 (CAD)** towards food for the chimpanzees/mandrills/monkeys, and **\$62,500 (CAD)** towards general sanctuary operating costs.

A. Food

Congolese currency - the Central African franc (fcfa) - is fixed to the Euro (1 Euro = 656 fcfa). Currently on a monthly basis, the sanctuary has a food budget of €9,000 (Euro) for fresh produce and €3,300 (Euro) for dry goods, and – totaling anywhere from **\$140,000 - \$160,000 (USD) per annum** (depending on the exchange rate of Euro to \$USD). It should also be noted that in addition to fluctuating exchange rates, in recent years we have seen an increase in food prices, both for fresh produce and other sanctuary dry good staples such as soya, milk and rice, not only in the Congo, but globally, thereby also having a negative impact on the annual operating budget for the sanctuary.

Just as with humans, the daily dietary/caloric requirements of chimpanzees also change and increase as they grow and mature, meaning that the sanctuary food budget will continue to increase slightly as the chimpanzees continue to get older – unless of course a suitable reintroduction site is found and a full reintroduction program is established (as discussed in Section 1 above) which would then lessen the number of chimpanzees at the sanctuary (and those in the reintroduction program would be able to forage for food in the wild).

To fulfill their nutritional needs, the chimpanzees at the TCRC receive a variety of different foods throughout the day with the intention of replicating the omnivorous diet of wild chimpanzees, as well as the manner in which chimpanzees would feed in the wild (feeding several times during the day).

1. Fresh produce – fruits & vegetables



The sanctuary purchases a large quantity of fresh produce from 4 local villages adjacent to the Tchimpounga Natural Reserve every week - Ntoupou, Bouety, Kondi & Ngoubili. The kind of produce purchased from the villages depends on seasonal availability.

This kind of fresh produce purchase includes:

FRUIT/VEGETABLE	PRICE/KG (fcfa)
Banana	250
Cucumber	350
Eggplant	350
Avocado	400

FRUIT/VEGETABLE	PRICE/KG (fcfa)
Peanuts	350
Pineapple	250
Passion Fruit	385
Cabbage	350
Limes	165
Endive	350
Bread fruit	350
Sweet potato	150
Potato leaves	150
Fruits of the forest (<i>Aframomum</i> , <i>Cola gabonensis</i> , <i>Mamea africana</i> ...)	100
Corn	200
Mango	100
Coconut	200
Palm nuts	100
Orange	165
Papaya	225
Potato	200
Watermelon	350
Peppers	350
Tomato	350
Figs	200

The TCRC purchases produce from the local markets 3 days a week - Monday a total of 800kg; Wednesday a total of 1,800kg; and Friday a total of 1,800kg - for a grand total of 4,400kg per week (maximum limit – depending on the availability of produce). The maximum amount that is spent on fresh produce per month is 5,904,000fcfa (or 9,000Euro) per month.

The sanctuary has organized a “market cooperative” within these 4 villages. For each village, there is a designated “market coordinator”, with whom the sanctuary communicates its needs directly (amount and kind of produce required). This person is then responsible for organizing with the market sellers. As per the protocol for the cooperative, the market coordinator must organize the purchase of produce from between 50 - 80 separate families, to ensure that a maximum number of families receive benefit from the markets. Once all of the produce is organized at the market, the sanctuary will pay the market coordinator directly (one time per month), and this person is then responsible for paying the market sellers (families) directly.

The formula for calculating the amount of fresh produce required per day is:

$$\# \text{ of chimpanzees/mandrills/monkeys } \times \text{ required kg/animal } = \text{ TOTAL kg /day}$$

The required kg of fresh produce provided to the chimps per day is based on their age range:

DORMITORY (Adults/Sub-Adults) = 3.5-4kg

BASE (Juveniles) = 3kg

NURSERY (Infants) = 2.5kg

The required kg of fresh produce provided to the mandrills and monkeys per day:

MANDRILLS = 2.5kg

MONKEYS = 1kg

The minimum fresh produce requirements per day are as follows:

GROUP	# x required kg/animal	kg /day
MAIN DORMITORY		
Groups 1	24 chimps x 4kg/chimp	96kg/day
Group 2	33 chimps x 4kg/chimp	132kg/day
Misc. Group	11 chimps x 3.5kg/chimp	38.5kg/day
La Vielle	1 chimp x 3.5kg/chimp	3.5kg/day
Group 3	29 chimps x 3.5kg/chimp	101.5kg/day
BASE		
Group 4	39 chimps x 3kg/chimp	117kg/day
NURSERY		
Infant Group	4 chimps x 2.5kg/chimp	10kg/day
MANDRILLS		
Mandrills	6 mandrills x 2.5kg/mandrill	15kg/day
MONKEYS		
Monkeys	4 monkeys x 1kg/monkey	4kg/day
TOTAL kg/day		517.5kg/day
TOTAL kg/week		3622.5kg/week

2. Dry food – soya, rice, milk, cereal, popcorn etc.

Staple Foods

In addition to the fresh produce which is provided to the chimpanzees, mandrills and monkeys at the sanctuary, complementary dry food staples are also provided. All of the dry goods are purchased in Pointe Noire.

The different kinds and amount of dry foods that are given to the chimpanzees are based their age range.

On an individual basis, the amount required per week is as follows:

FOOD TYPE	ADULT kg/week	JUVENILE kg/week	INFANT kg/week
SOYA	2.15	1.3	1
ORDINARY MILK		0.65	
FORTIFIED MILK			1.5
RICE	1.3	0.75	0.8
SUGAR (mixed with soya)	0.12	0.12	0.12
CERALAC			0.35
OATMEAL			0.2
PHOSPHATINE			0.15

Based on the number of individuals in the different age groups at the sanctuary, the total amount required per week is as follows:

FOOD TYPE	ADULTS (98) kg/week	JUVENILES (39) kg/week	INFANTS (4) kg/week	TOTAL kg/week
SOYA	210.7	50.7	4	265.4
ORDINARY MILK		25.35		25.4
FORTIFIED MILK			6	6.0
RICE	127.4	29.25	3.2	159.9
SUGAR (mixed with soya)			0.48	16.9
CERALAC	11.76	4.68	1.4	1.4
OATMEAL			0.8	0.8
PHOSPHATINE			0.6	0.6

The TCRC spends approximately 2,000,000fcfa (or 3,049 Euro) per month on dry goods.

3. Overview

A full-grown chimpanzee eats approximately **250 lbs.** of fruits and vegetables a month, plus **30 lbs.** of other staple foods like rice, milk, and cereal. That means each month the Tchimpounga Chimpanzee Rehabilitation Center purchases approximately **38,800 lbs.** of fresh produce for **\$12,564 (USD)** and **4,200 lbs.** of dry goods for **\$4,256 (USD)**, totaling **43,000 lbs.** for **\$16,820 (USD)** for the over 140 resident chimpanzees.

