

TOTAL AERIAL COUNT OF ELEPHANTS AND OTHER WILDLIFE SPECIES IN FARO, BENOUE AND BOUBA NDJIDDA NATIONAL PARKS AND ADJACENT HUNTING BLOCKS IN NORTHERN CAMEROON



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EXECUTIVE SUMMARY

The total aerial count of elephants in northern Cameroon parks of Benoue, Faro and Bouba Ndjidda as well as adjacent hunting blocks were conducted between 26th April and 01st May 2008. During the census, total counts of elephants, elephant carcasses, large herbivores and plain game was conducted. Livestock numbers (cattle and shoats) were estimated. GPS was used in navigation, recording survey paths and waypoints.

The count involved 2 aircrafts and counted 525 elephants in the census zone. Most of elephants (44.2%) were found in Bouba Ndjidda National Park while 22.67% were found in the hunting zone (Block ZIC 23). Notable during this count was the high number of buffaloes in Bouba Ndjidda (21.65%) and Benoue (16.9%) national parks. The rest of the buffaloes were in the hunting zone (Block ZIC 18Bis). Most of the roan antelopes counted during the count were in the national parks (57.56%). The rest were found in the hunting blocks. Settlements were also recorded during the survey and most were in Faro National Park (73.33%). High numbers of livestock were recorded inside the protected areas especially in Faro (53.6% of all livestock within the protected areas). The highest concentration of cattle was however observed in hunting zone (ZIC 7). Other species that were recorded in high numbers were the western hartebeests, which had the highest concentration in Bouba Ndjidda National Park (27.11% of the total counted or 59.7% were hartebeests within the national parks).

RESUME EXECUTIF

Le comptage total par voie aérienne des éléphants dans les Parcs Nationaux de la Bénoué, Faro et Bouba Ndjidda dans le Nord Cameroun aussi bien que les Zones de Chasse Adjacentes a été réalisé entre le 26 avril et le 01 mai 2008. Pendant ce dénombrement, le comptage total des éléphants et leurs carcasses, les grands herbivores et les petites antilopes de plaine était fait.

Le cheptel ou bétail (bœufs, chèvres et moutons) était aussi estimé. Le GPS était utilisé pour la navigation, les circuits de vol ou lignes de transects et les points GPS étaient enregistrés.

Le comptage a impliqué 02 avions type CESSNA et a estimé un total de 525 éléphants dans la zone recensée. La plupart de ces éléphants (42,2%) ont été comptés dans le Parc National de BoubaNdjidda pendant que 22,67% était trouvé dans la ZIC 23.

De façon notable, l'on a enregistré un grand nombre de buffles dans les Parcs Nationaux de BoubaNdjidda (21,6%) et de la Bénoué (16,9%). Le reste de buffles était trouvé dans la ZIC 18bis.

La plupart des hippotragues comptés pendant le survol se trouvaient dans les Parcs Nationaux (57,56%). Le reste était compté dans les ZIC.

Les habitations ou installations humaines étaient aussi comptées pendant le dénombrement et la plupart était observée dans et autour du Parc National du Faro (73,33%).

Un grand nombre de bétail était enregistré à l'intérieur des Parcs Nationaux spécialement dans le Parc National du Faro (53,6% du total de bétail enregistré dans les aires protégées). La grande concentration des bovins était cependant observée dans la ZIC 7.

Les autres espèces animales qui ont été comptées en grand nombre sont le bubale qui a une plus grande concentration dans le Parc National de Bouba Ndjidda (27,11% du total compté ou 59,7% de bubales observés dans les Parcs Nationaux).

INTRODUCTION

Elephants are found in three distinct ranges in Cameroon: the Sahelian zone in the far north, the Sudanian zone in the north, and the Forest zone in the south. The elephant management problems in the three ranges are different. Most of Cameroon's elephants live in the dense forest zone, and the majorities are outside the protected areas. The information required for effective management is lacking in majority of the range. For example, information on elephant numbers is inadequate. There is little information available on basic ecological questions such as seasonal movement patterns. The optimum elephant densities which managers should aim for in each habitat have yet to be estimated hence the optimum number that the country can support is not known. Because of resources that are inadequate for managing elephants effective protection in national parks and reserves cannot be guaranteed.

The growth of the human population means that roads, settlement, agriculture, logging operations and other forms of development are encroaching upon and fragmenting elephant habitats. This causes increasing conflict between people and elephants. Crop raiding by elephants has become a major issue. The high cost of elephants to the rural populace is not balanced by any benefits because there is no effective community participation in elephant management. This survey was aimed to establish the baseline elephant numbers, their distribution and assess the level of encroachment into the protected areas of Faro, Benoue & Bouba Ndjidda.

Objectives of the survey

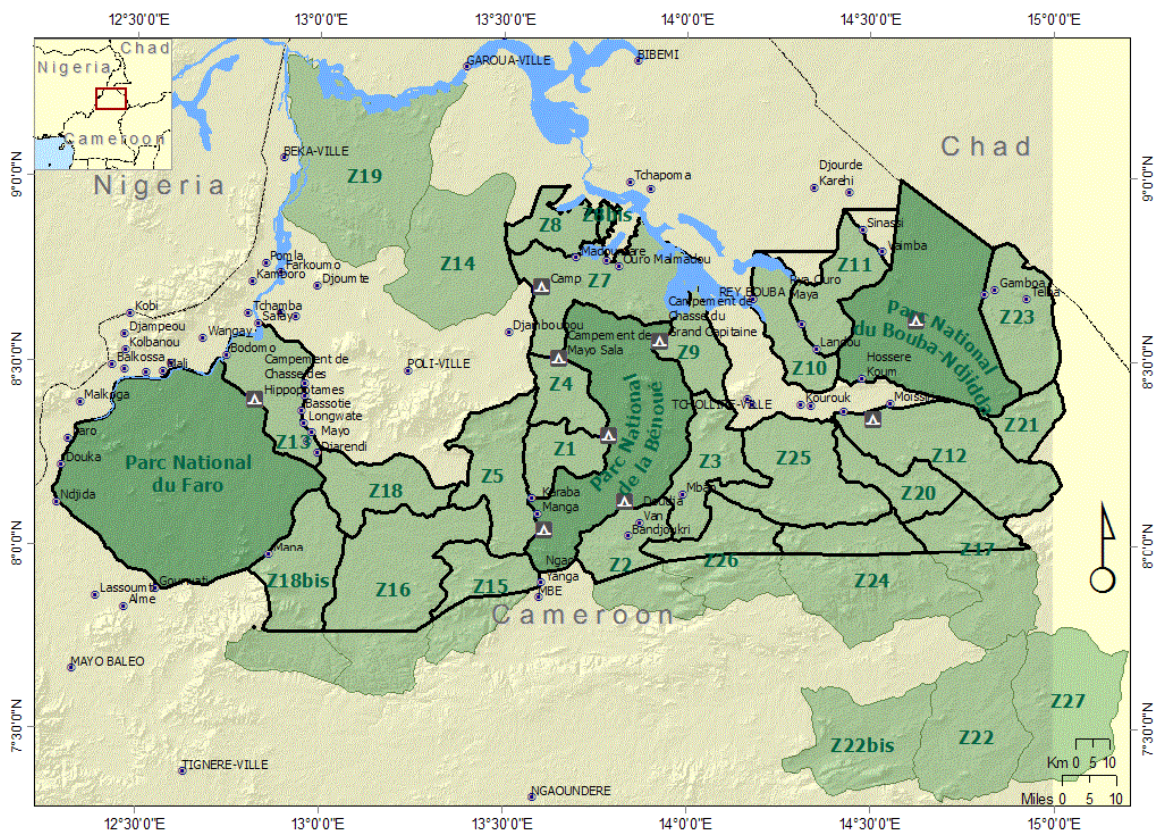
The objectives of the survey were therefore as follows:

- Establish current elephant population size and distribution
- Determine number and distribution of elephant carcasses
- Setting a baseline for future change in the elephant population size and distribution
- Document distribution and numbers of other species such as Giraffes, roan antelopes and livestock
- Train Cameroon staff on the methods of aerial counting of elephants
- To map the incidences of human activities that may be threatening elephants through protected area encroachment

STUDY AREA

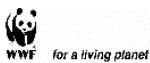
The study area has three National Parks (Benoue, Bouba Ndjidda and Faro). They cover a total area of approximately 7579.519 km Sq. The Parks lie in the Sudanian region. In Cameroon, there are twenty-seven sport-hunting zones. They are all located in the Sudanian wooded savanna of North Cameroon. They surround and help to protect the Faro, Benoue and BoubaNdjidda National Parks because the licensees have a vested interest in the protection of their zones. During the count, total coverage of the hunting blocks was 14,300.24 sq km.

Figure 1 - Study Area



Faro, Benoue, Bouba Ndjidda and Adjacent ZICs: Study Area

- villages
- ▲ Camp
- Village/Town
- Waterbodies
- Survey Blocks
- Hunting Blocks
- Parc_National
- Country



Total Aerial Count of Faro, Benoue, Bouba Ndjidda National Parks and Adjacent Hunting Blocks (29th April to 2nd May 2008)

Source: WWF, ESRI/USGS, SRTM-90, National Geographic Centre, Yaounde

The common vegetation encountered in the study area is widespread over northern Cameroon and comprises mainly of herbaceous woodlands and open savannah country. Most of the savanna shrubs and trees include *Sclerocarya birrea*, *Combretum* and *Terminalia* shrubs and stands of *Hyphaena thebaica*; *Anogeissus leiocarpus* woodland on sandy soil; *Lannea humilis* open grass savanna with short annual grasses, sparse trees and stands of *Mitragymna innermis* forming small islands around temporary waterholes; and *Acacia seyal* tree savanna on black clay soils which are saturated with water in the rainy season.

As with vegetation, climate of northern Cameroon is semi-arid, with a dry season extending from October to May. Rainfall is irregular, with an annual mean of 700mm. The mean annual temperature is 28°C. December is the coolest month, with a mean monthly minimum temperature of 16°C and a mean monthly maximum temperature of 33°C. April, just before the first rains, has a mean monthly minimum temperature of 21°C and a mean monthly maximum temperature of 45°C.

METHODOLOGY

Training of the crew

Because up to date information on wildlife population in the study area was scanty, the entire area was flown to determine large mammal species occurrence and distribution. The total aerial survey technique standards for the MIKE (monitoring of illegal killing of elephant) programme as detailed in Craig (2004) and as described in Omondi *et al* (2002) and Douglas-Hamilton (1997). This technique aimed to systematically cover the entire surface of the defined census zone and to record every species of animal being counted and its geographical location. Total aerial count relies heavily on the experience of both the pilot and the flight crews (Douglas-Hamilton *et al.*, 1994). Therefore one day training was undertaken for both the Front Seat Observers (FSO); Rear Seat Observers (RSO) and students & staff of Garoua wildlife college Cameroon.

Census zone

The census area included the entire Benoue, Faro, Bouboua Ndjidda National Parks and adjacent Hunting blocks. The entire ecosystem covered an area of 22,136.68 sq km. The survey area was

divided into 29 discrete counting blocks, all bordered by well-defined features such as roads, rivers, and park boundaries. Each crew was provided with maps for each of the blocks. Flight paths covering each block were selected by pilot and the FSO. The transects were spaced at 3 km interval in national Parks however in the open hunting blocks, the transects were extended to 5 km because of the need to cover all the areas within the available flight hours.

Table 1 - Area of Survey Blocks

| BLOCK | AREA KM2 |
|--------------------------------|-----------------|
| Parc National de la Bénoué | 1979.471 |
| Parc National du Bouba Ndjidda | 2113.815 |
| Parc National du Faro | 3486.231 |
| ZIC 1 | 389.375 |
| ZIC 2 | 454.448 |
| ZIC 3 | 623.966 |
| ZIC 4 | 380.565 |
| ZIC 5 | 791.512 |
| ZIC 7 | 1144.504 |
| ZIC 8 | 349.867 |
| ZIC 8BIS | 46.512 |
| ZIC 9 | 436.89 |
| ZIC 10 | 498.125 |
| ZIC 10 - Outside | 113.629 |
| ZIC 11 | 568.135 |
| ZIC 11 - Outside | 143.297 |
| ZIC 12 | 1192.024 |
| ZIC 13 | 670.937 |
| ZIC 15 | 411.841 |
| ZIC 16 | 1251.578 |
| ZIC 17 | 378.463 |
| ZIC 18 | 599.207 |
| ZIC 18BIS | 756.942 |
| ZIC 20 | 437.133 |
| ZIC 21 | 302.054 |
| ZIC 23 | 741.399 |
| ZIC 24 | 404.802 |
| ZIC 25 | 1041.451 |
| ZIC 26 | 428.508 |

Data recording

The count employed the Global Positioning System (GPS) technique with ArcView software used for plotting species distribution maps. Two Cessna 206 Stationair six-seater aircraft were used in the count. The aircraft had a GPS for use in navigation and recording survey paths. Some of the animals recorded were elephants (**EL**) both live and dead, Giraffes (**GI**), (**HI**) Hippotrague; (**DA**) Damalisque ; (**LI**)-Lion; (**HY**)- Hyena; (**AU**) Autruche; (Ph) Phacochère; (**CB**) Cobe de Buffon; (**CG**) Céphalophe de Grimm; (**IL**) Illegal Activity and cattle (**C**), sheep

and goats (**SH**) distribution. **Cattle, goats** and **sheep (shoats)** herds were recorded as approximate estimates. The aim was to fly parallel lines across each block, to scan the entire surface and to record the accurate position and number of each group of animals.

Dead elephants were recorded in the following categories (Craig, 2004):

- **Carcass 1 (C1):** for **fresh** carcass (less than 1 month old), still has flesh giving the body a rounded appearance. Vultures probably present and ground still moist from body fluids.
- **Carcass 2 (C2):** for **recent carcass (more than 1 month old but less than one year old), the rot patch and skin still present. Skeleton not scattered.**
- **Carcass 3 (C3):** for an **old** carcass (more than a year old), where only a skeleton is present with white bones visible. Vegetation regrown in rot patch.
- **Carcass 4 (C4):** for a **very old** carcass (up to ten years old), where the bones are grey and cracked and widely scattered so the carcass does not stand out as a distinct entity. Difficult to spot from the air.

Each FSO was equipped with a data entry sheet and a flight map. The FSO was responsible for the entry of all data onto these sheets. During the flight the FSO recorded, serially as a GPS waypoint (or time reading), each individual group of each species on the data sheet along with the herd count or estimate and any photographs taken.

A UTM grid were super-imposed on each block map, so that transects could be flown on this grid with the help of GPS. The GPS record the exact flight pattern for the later reconstruction of the exact position of each observation. The GPS were also used to fly in parallel strips or ‘flight lines’, using the GPS to stay on track. In most cases East-West lines were chosen, which has the advantage of equal light for the observers on both sides.

Finalizing Data

All observations made were saved in Garmin GPS as waypoints with the geographical location referenced and were used in producing species distribution maps. The GPS was down loaded onto a computer at the end of each day’s operation and the Front Seat Observer (FSO) and the crew produced a summary table of each block. Any double counts were identified and eliminated during these sessions. The survey crew consisted of 1 FSO, 2 Rear Seat Observers (RSO) and two pilots.

Data Analysis

The densities known as numbers of direct sightings or signs per unit area (km²) were calculated per block for each animal. Densities were also used for human activities.

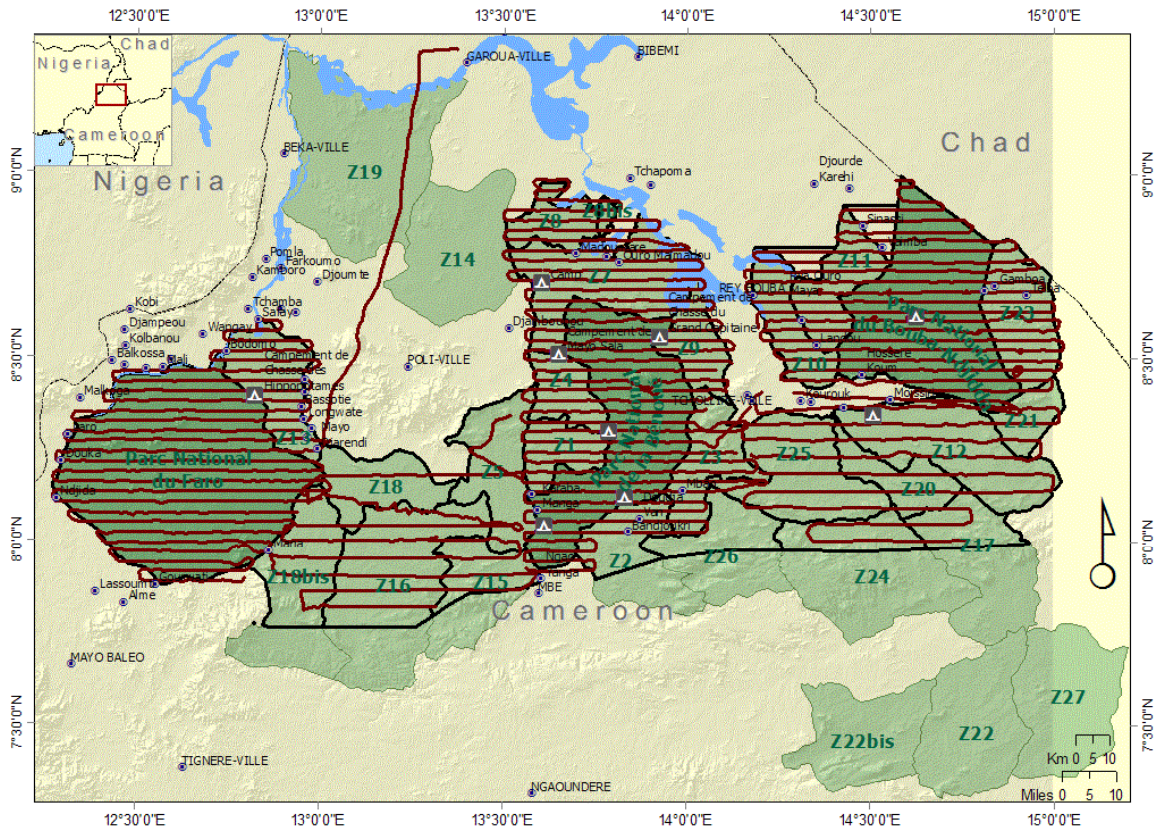
RESULTS

A total of 16 persons drawn from the WWFCCPO, Northern Savannahs Project Garoua; MINFOF National Parks staff; Garoua Wildlife Training College and five private pilots of SIL were successfully trained on the techniques of total aerial count of elephants and were involved in the exercise as either Pilot, Front and Rear Seat Observers. A total of 26 students from Garoua Wildlife Training College were also trained although they did not participate in the survey.



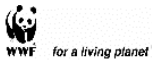
A total of 54.14 hours was flown during the exercise, with a total count time of 42.42hrs; the ferrying time to start count and stop count points to and from the crew base took 6.29 hrs & 5.03 hours respectively. Fig 2 shows the flight patterns of the Cessna aircraft involved in the count and table 2 and 3 provide the flight summary details of the flight logs.

Figure 2 - Flight Patterns Flown



Faro, Benue, Bouboua Ndjidda and adjacent ZICs: Flight Lines

- villages
- ▲ Camp
- Village/Town
- Flight Lines
- Waterbodies
- Survey Blocks
- Hunting Blocks
- Parc_National
- Country



Total Aerial Count of Faro, Benue, Bouboua Ndjidda National Parks and Adjacent Hunting Blocks (29th April to 2nd May 2008)

Source: WWF, ESRI/USGS, SRTM-90, National Geographic Centre, Yaounde

Table 2 - Flight Summary

| Date | Block | Take off time | Start Count | End Count | Land time | FSO | RSOL | RSOR | Pilot | Dist. (kms) |
|--------|-----------|---------------|-------------|-----------|-----------|-----|------|------|-------|-------------|
| 29-Apr | Ndjidda | 07:50 | 08:14 | 11:34 | 11:44 | AG | LB | EM | D | 460.9 |
| 29-Apr | Ndjidda | 06:15 | 06:40 | 11:15 | 11:26 | EB | EH | ST | RP | 803.3 |
| 29-Apr | Ndjidda | 15:15 | 15:25 | 17:53 | 18:04 | AG | K | B | D | 383.4 |
| 29-Apr | Benoue | 15:15 | 15:44 | 17:03 | 17:23 | EB | EH | ST | RP | 240.8 |
| 30-Apr | Benoue | 06:29 | 06:58 | 11:36 | 11:46 | AG | LB | K | D | 681 |
| 30-Apr | Benoue | 06:16 | 06:36 | 11:20 | 11:28 | EB | EH | ST | FD | 733 |
| 30-Apr | Benoue | 15:37 | 15:47 | 17:26 | 17:36 | AG | K | B | RP | 274 |
| 30-Apr | Benoue | 15:40 | 15:46 | 17:20 | 17:32 | EB | EH | ST | FD | 241.7 |
| 01-May | Faro | 06:15 | 07:05 | 09:52 | 10:40 | EB | ST | A | A | 424 |
| 01-May | Faro | 06:09 | 06:57 | 10:20 | 10:57 | AG | EH | LB | RP | 530.4 |
| 01-May | Faro | 15:26 | 15:56 | 16:54 | 17:35 | AG | EH | LB | D | 153.8 |
| 02-May | Z15-Z16 | 06:05 | 06:45 | 10:29 | 10:56 | EB | ST | A | A | 625.6 |
| 02-May | Faro | 06:03 | 06:43 | 09:53 | 10:33 | AG | EH | B | RP | 636 |
| 02-May | Rey-Bouba | 15:06 | 15:11 | 17:28 | 17:35 | AG | EH | SA | D | 383.6 |
| 02-May | Rey-Bouba | 15:05 | 15:28 | 17:34 | 17:45 | EB | A | ST | A | 360.9 |

Table 3 - Flying Time

| Block | Take off time | Start Count | End Count | Land time | Ferrying Time - Start | Counting Time | Ferrying Time - End | Total Time |
|-----------|---------------|-------------|-----------|---------------|-----------------------|---------------|---------------------|--------------|
| Ndjidda | 07:50 | 08:14 | 11:34 | 11:44 | 00:24 | 03:20 | 00:10 | 03:54 |
| Ndjidda | 06:15 | 06:40 | 11:15 | 11:26 | 00:25 | 04:35 | 00:11 | 05:11 |
| Ndjidda | 15:15 | 15:25 | 17:53 | 18:04 | 00:10 | 02:28 | 00:11 | 02:49 |
| Benoue | 15:15 | 15:44 | 17:03 | 17:23 | 00:29 | 01:19 | 00:20 | 02:08 |
| Benoue | 06:29 | 06:58 | 11:36 | 11:46 | 00:29 | 04:38 | 00:10 | 05:17 |
| Benoue | 06:16 | 06:36 | 11:20 | 11:28 | 00:20 | 04:44 | 00:08 | 05:12 |
| Benoue | 15:37 | 15:47 | 17:26 | 17:36 | 00:10 | 01:39 | 00:10 | 01:59 |
| Benoue | 15:40 | 15:46 | 17:20 | 17:32 | 00:06 | 01:34 | 00:12 | 01:52 |
| Faro | 06:15 | 07:05 | 09:52 | 10:40 | 00:50 | 02:47 | 00:48 | 04:25 |
| Faro | 06:09 | 06:57 | 10:20 | 10:57 | 00:48 | 03:23 | 00:37 | 04:48 |
| Faro | 15:26 | 15:56 | 16:54 | 17:35 | 00:30 | 00:58 | 00:41 | 02:09 |
| Z15-Z16 | 06:05 | 06:45 | 10:29 | 10:56 | 00:40 | 03:44 | 00:27 | 04:51 |
| Faro | 06:03 | 06:43 | 09:53 | 10:33 | 00:40 | 03:10 | 00:40 | 04:30 |
| Rey-Bouba | 15:06 | 15:11 | 17:28 | 17:35 | 00:05 | 02:17 | 00:07 | 02:29 |
| Rey-Bouba | 15:05 | 15:28 | 17:34 | 17:45 | 00:23 | 02:06 | 00:11 | 02:40 |
| | | | | Totals | 06:29 | 42:42 | 05:03 | 54:14 |

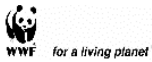
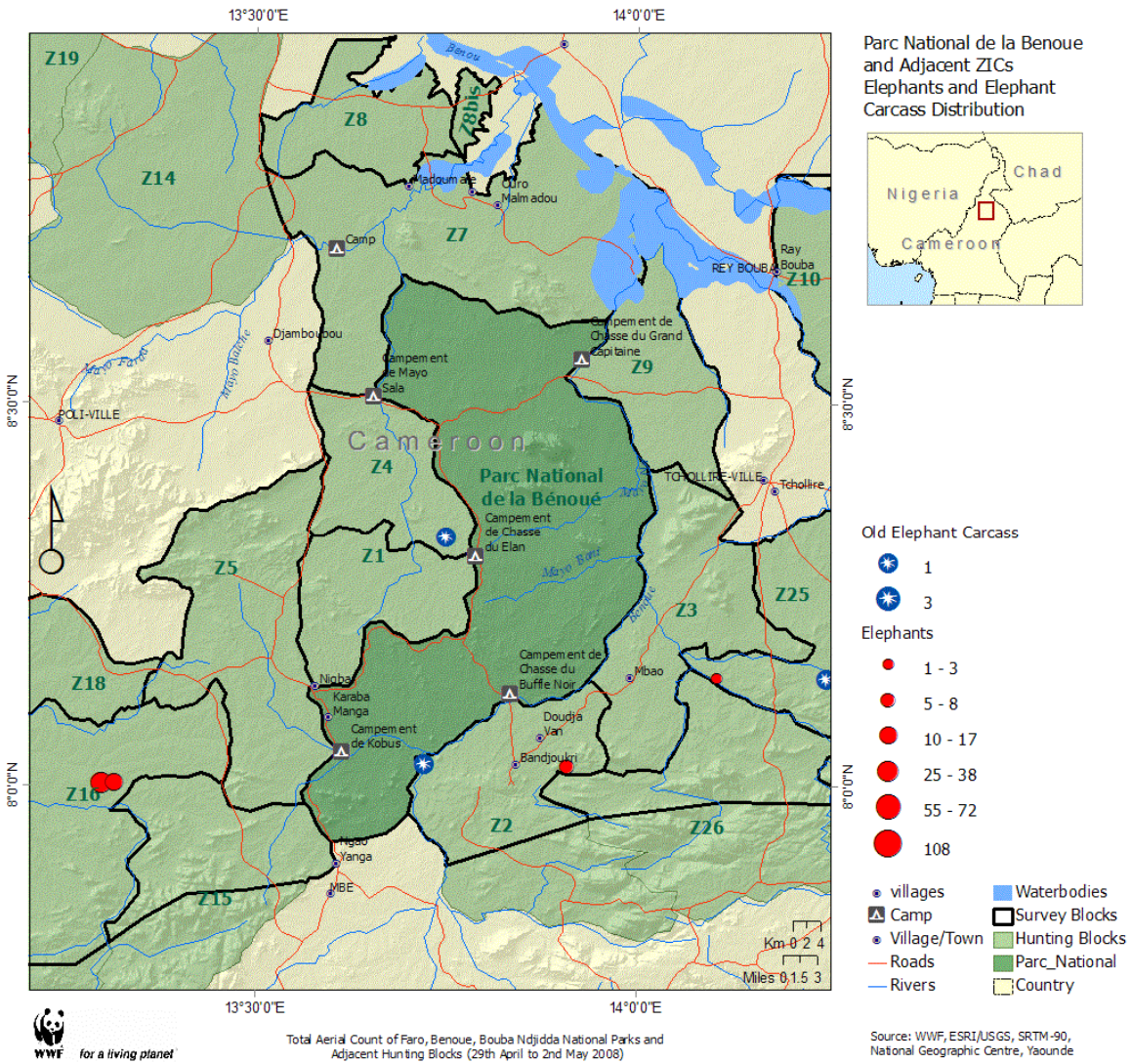
Population number and density

A total of 27 wildlife species were counted, 50.57% of which was found within the National Parks. Table 3 and the appendixes provides the number and the density of each species counted across census blocks.

Elephants and Carcasses

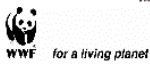
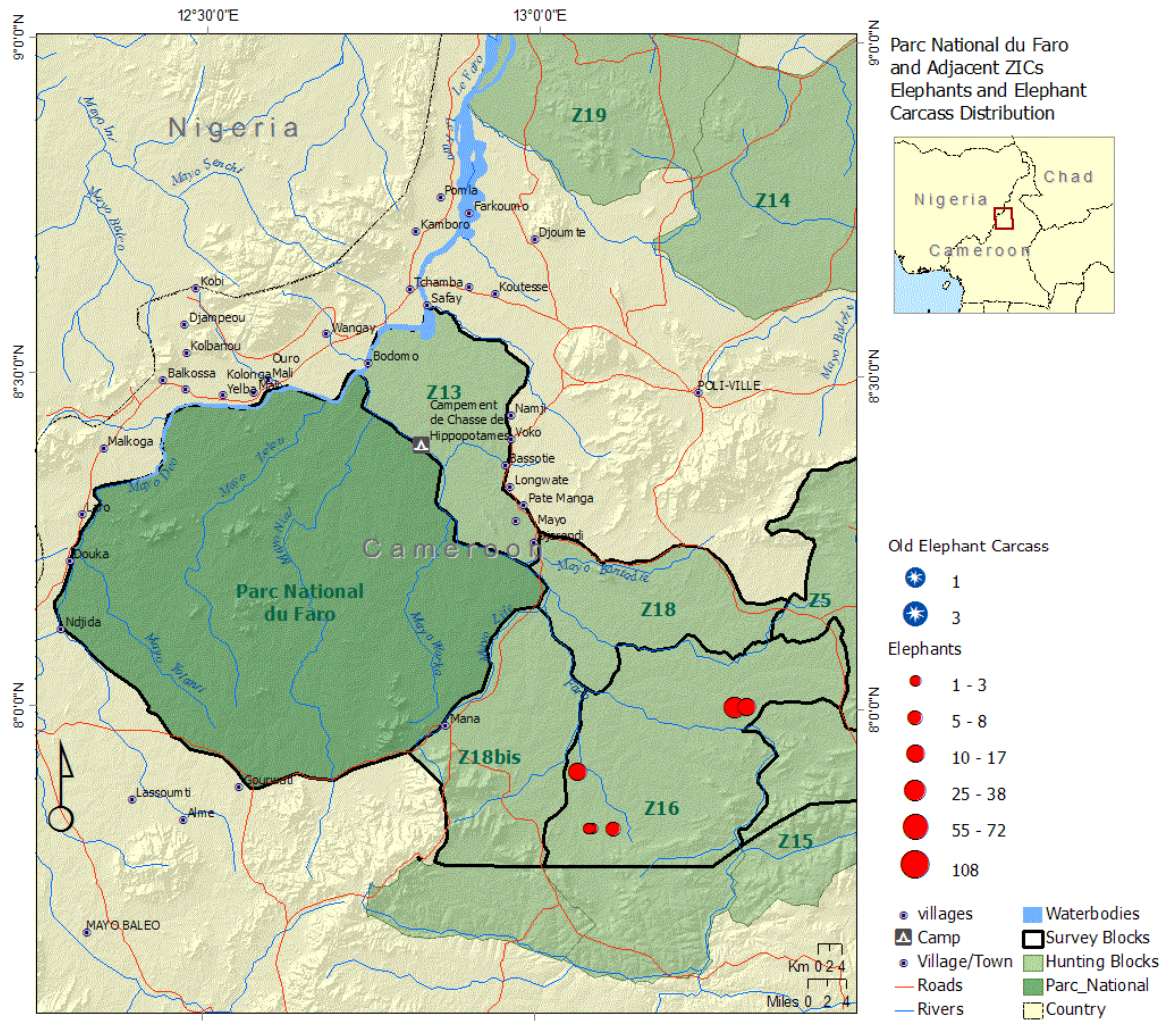
The count involved 2 aircraft and counted 525 elephants in all blocks. Most of elephants (44.2%) were found in Bouba Ndjidda National Park while 22.67% were found in Block ZIC 23. Other concentrations of elephants were in ZIC 11 (99), ZIC 16 (69) and ZIC 2 (5). During the survey, a total of 11 carcasses were counted. Majority of them (6) were in Bouba Ndjidda. One was recorded in each of the following blocks ZIC 2, ZIC 1, ZIC 10 outside, ZIC12 and ZIC 25. (Figs. 3, 4 and 5)

Figure 3 - Elephant and Carcass distribution in Benoue National park and adjacent hunting blocks



Total Aerial Count of Faro, Benoue, Boubou Ndjidja National Parks and Adjacent Hunting Blocks (29th April to 2nd May 2008)

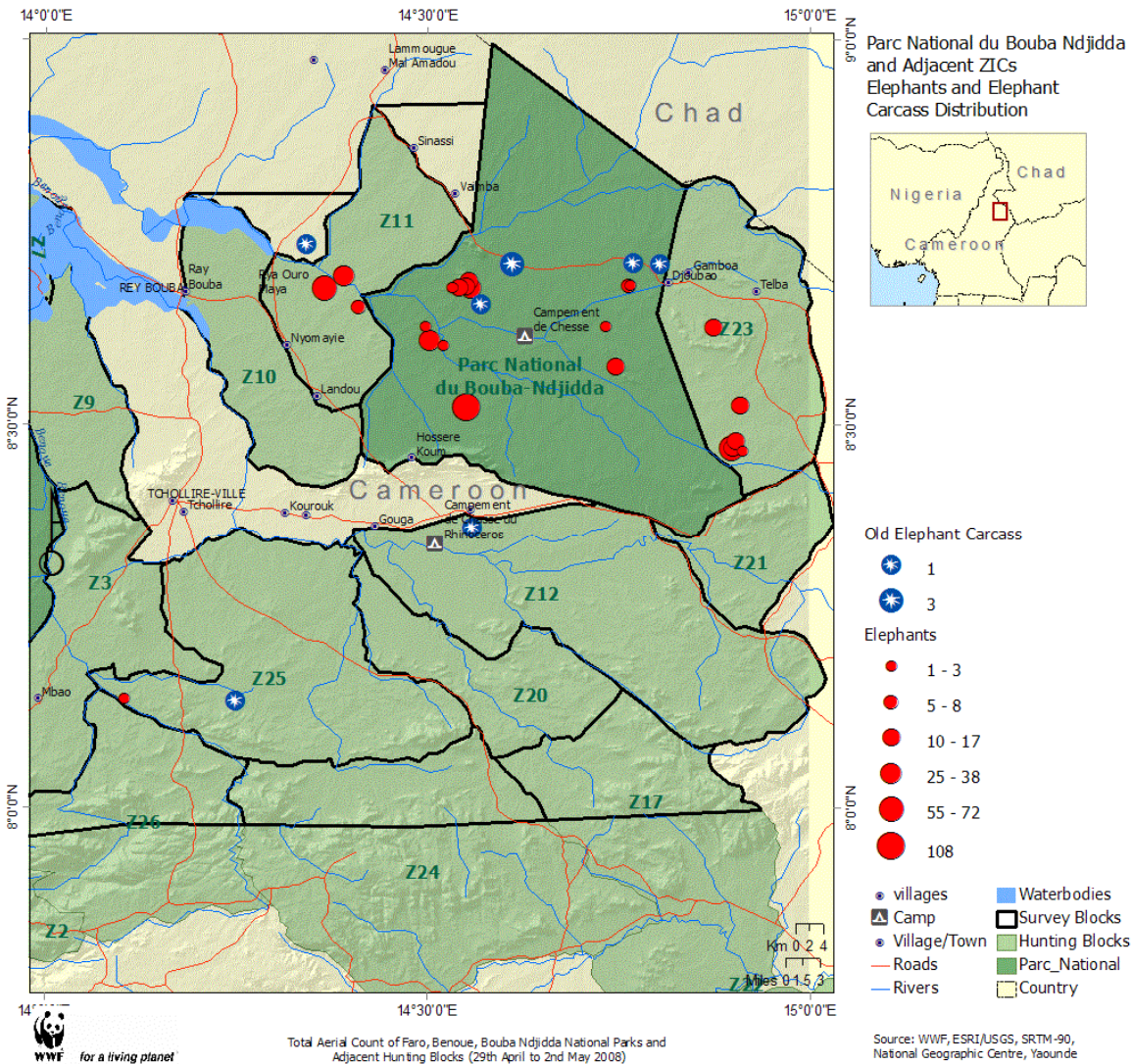
Figure 4 - Elephant and Carcass distribution Faro National Park and adjacent hunting blocks



Total Aerial Count of Faro, Benoue, Boubou Ndjidda National Parks and Adjacent Hunting Blocks (29th April to 2nd May 2008)

Source: WWF, ESRI/USGS, SRTM-90, National Geographic Centre, Yaounde

Figure 5 - Elephant and Carcass distribution Bouba Ndjidda National Park and adjacent hunting blocks



Buffaloes and other herbivores

Notable during this count was the high number of buffaloes in Bouba Ndjidda (21.65%) and Benoue (16.9%) national parks. The rest of the buffaloes were in Block ZIC 18Bis. Most of the roan antelope counted during the count were in the national parks (57.56%). The rest were found in the hunting blocks. Settlements were also recorded during the survey and most were in Faro national Park (73.33%). Other species that were recorded in high numbers were the western hartebeests, which had the highest concentration in Bouba Ndjidda National park (27.11% of the total counted or 59.7% of hartebeests within the national parks). Most of the giant eland were in

Bouba Ndjidda (176) and Faro (9). Giraffes were recorded in Benoue (6), Bouba Ndjidda (27) and two each in ZIC 16 and ZIC 23. Only one lion was seen in Faro. (Figs 6, 7 and 8).

Figure 6 - Large Herbivore distribution in Benoue National Park and adjacent Hunting Blocks

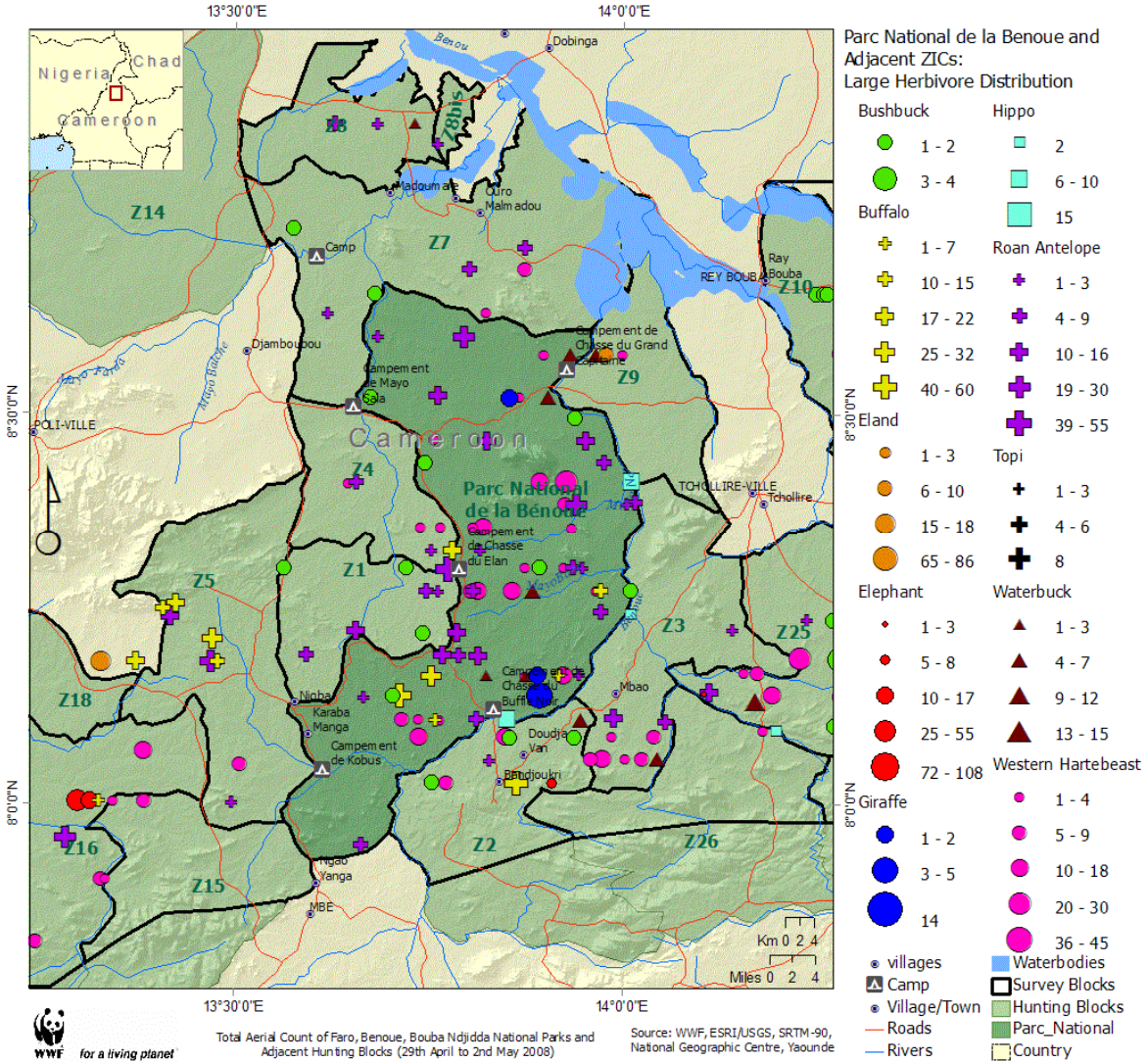


Figure 7 - Large Herbivore distribution in Faro National Park and adjacent Hunting Blocks

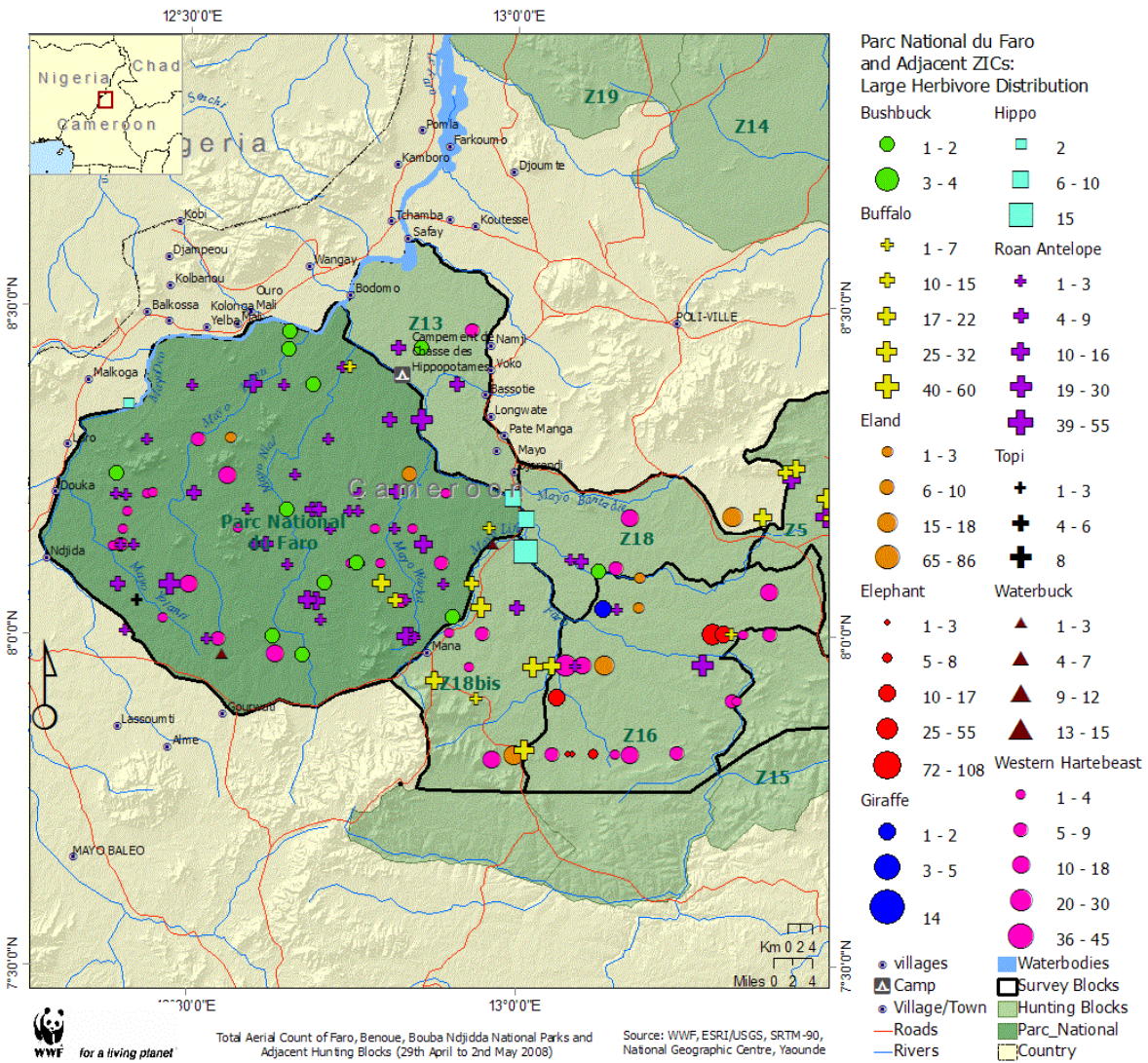
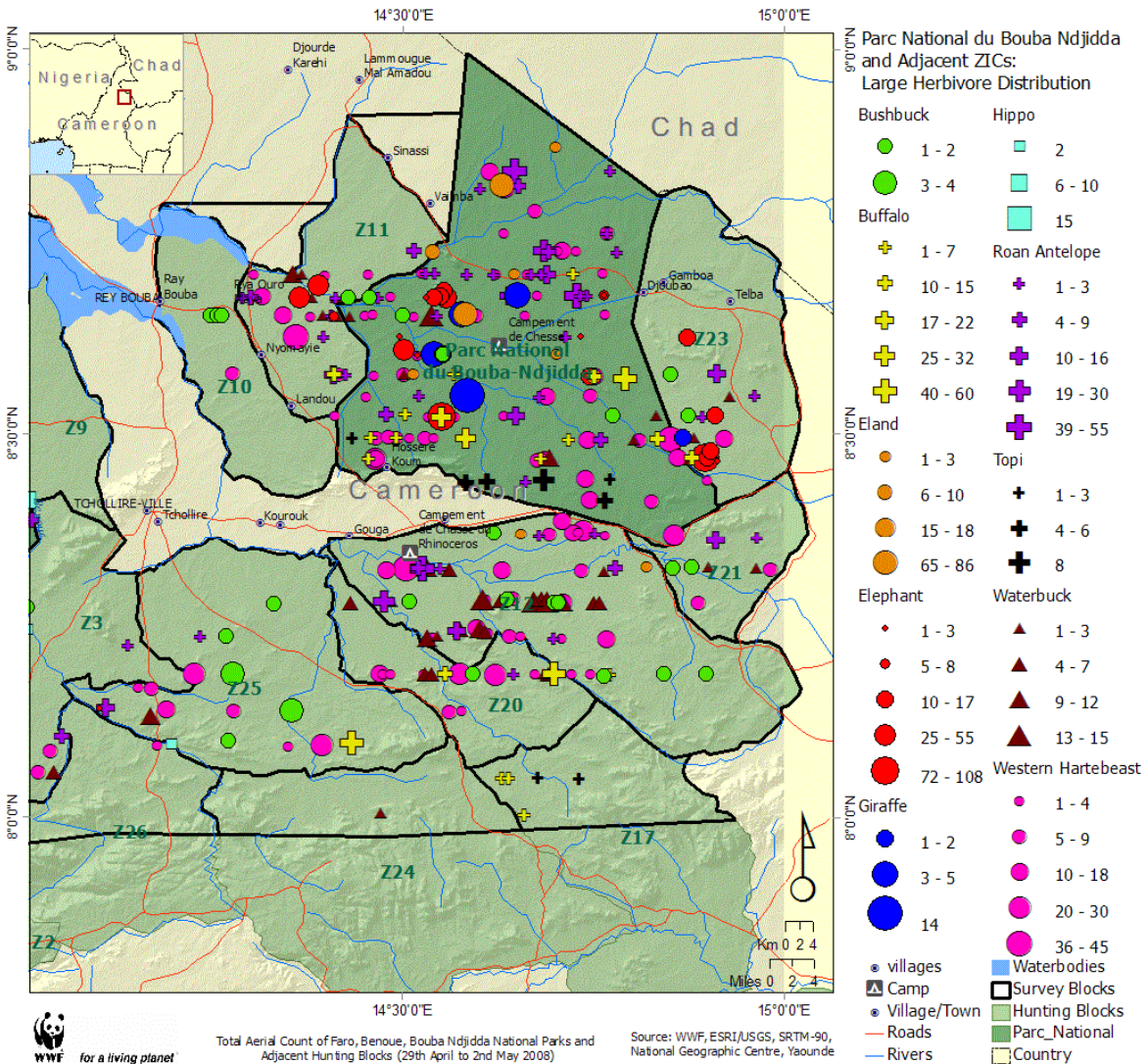


Figure 8 - Large Herbivore distribution in Bouba Ndjidda National Park and adjacent Hunting Blocks



Livestock, Farms and other human Activities

The number of livestock (cattle & shoats) was estimated. High number of livestock was recorded inside the protected areas especially in Faro (53.6% of all livestock within the protected areas). The highest concentration of cattle was however observed in ZIC 7. Shoats though not in big numbers were observed in most of the counting blocks. Cattle invasion and encroachment into the protected area were also recorded (Figs. 9, 10 & 11.)

Farms inside protected area were observed in Benoue (3), Bouba Ndjidda (2) and 10 in Faro. Other illegal activities were also seen in Benoue (7), Bouba Ndjidda (2) and 10 in Faro. The low

number of wildlife in Faro may therefore be attributed to high concentration of farms, livestock and other illegal activities.

Figure 9 - Human activities in Benoue National Park and adjacent Hunting Blocks

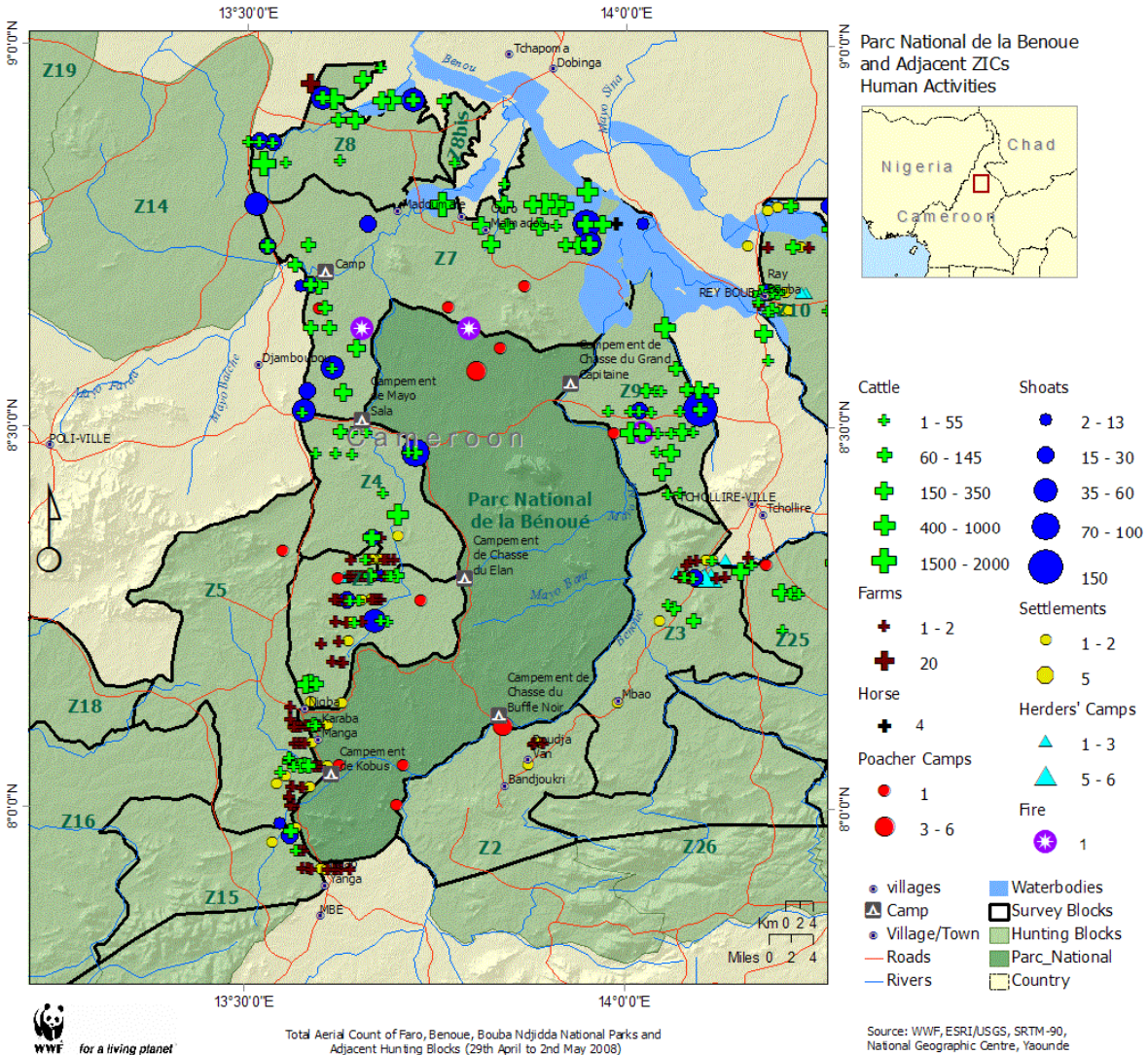


Figure 10 – Human activities in Faro National Park and adjacent Hunting Blocks

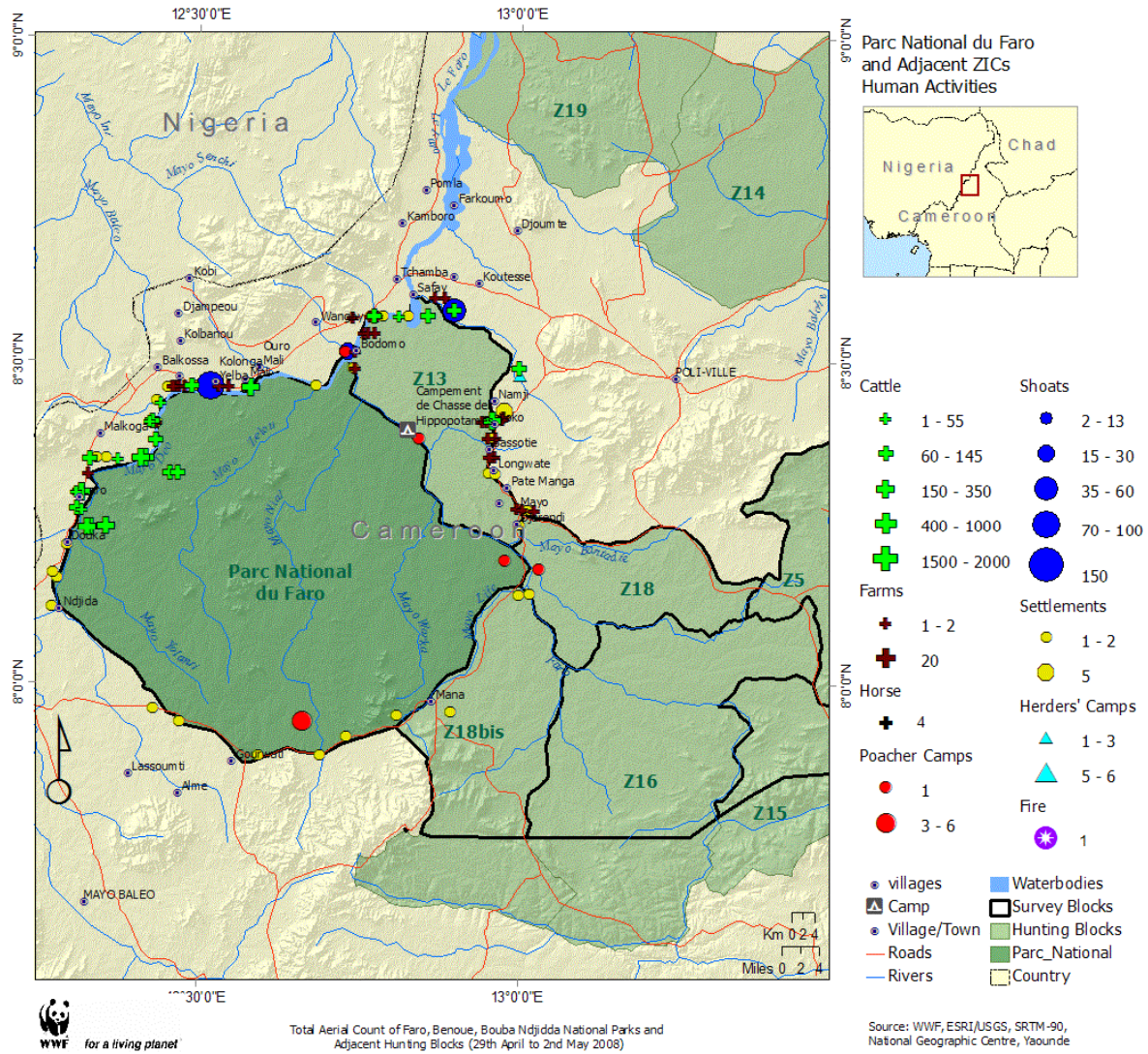
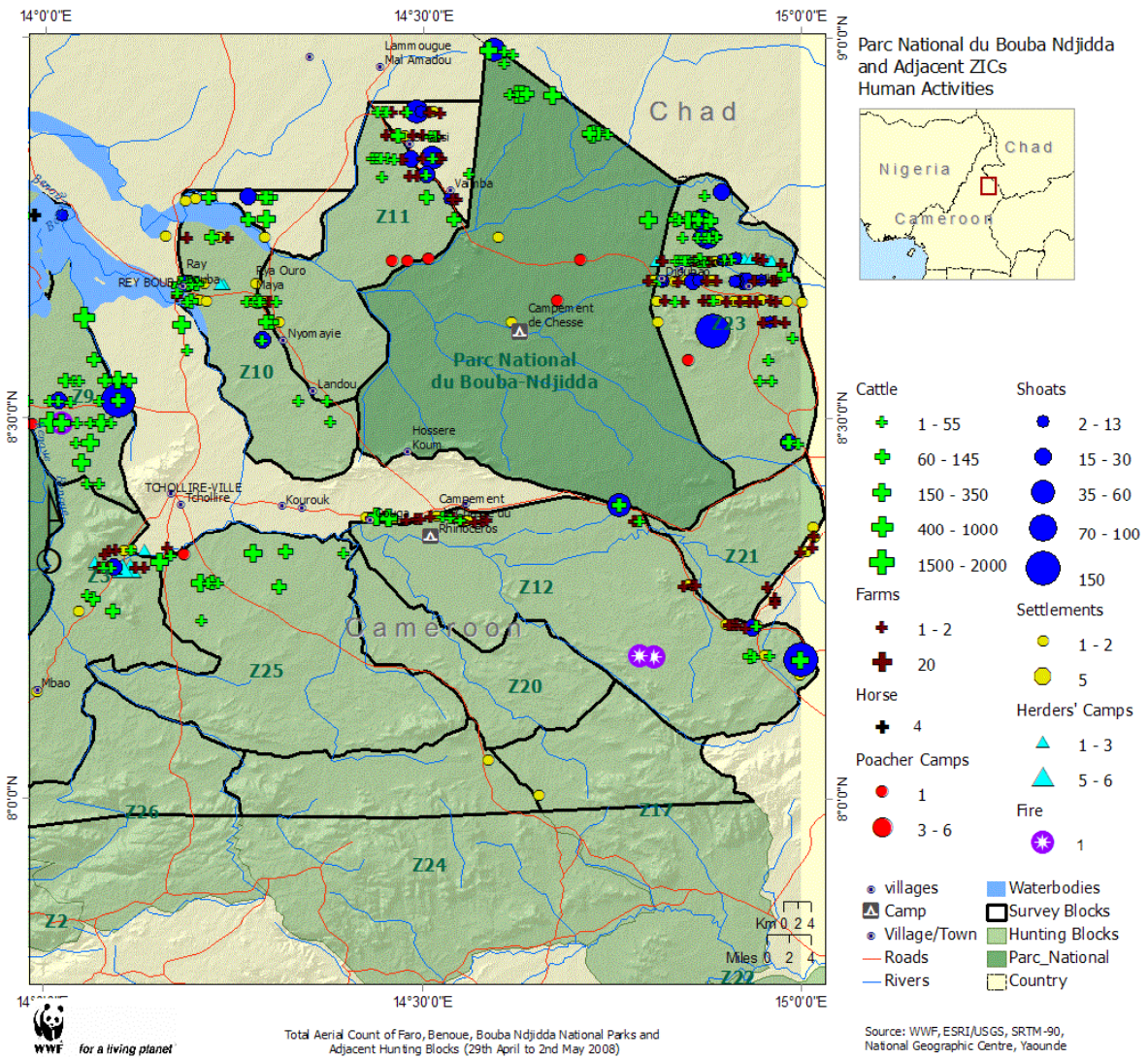


Figure 11 – Human activities in Bouba Ndjidda National Park and adjacent Hunting Blocks



Plain Game

During the survey, the most encountered plain game (Appendixes 5, 6 and 7) was cob de buffon. 36% of them were inside the protected areas with Faro having the highest concentration (19.4%) followed by Benoue which had 9.1% with Bouba Ndjidda having the least (7.9%). The highest concentration outside the parks was in block ZIC 12 (27.7%), and ZIC 13 which had 8.5%. Other common plain game included the ourebi (16.5% in Benoue; 31.2% in Bouba Ndjidda and 9.9% in Faro), Cephalophe de grimm (13% in Benoue; 14.8% in Bouba Ndjidda and 20% in Faro). Overall 57.1% and 48.1% of all the Ourebi and cephalophe de grimm counted were within the parks. Also notable during the count were the high numbers (55.2%) of reduncas within the parks.

Table 4 - All Block Summaries

| SPECIES | BLOCK TOTALS | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|------------------|--------|------------------|--------|--------|--------|--------|--------|--------|-----------|---|
| | Parc National de la Bénoué | Parc National du Bouba Ndjidda | Parc National du Faro | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 5 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 12 | ZIC 13 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | |
| Bushbuck | 7 | 6 | 10 | 2 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 9 | 1 | 0 | 0 | 0 | 1 | 0 |
| Buffalo | 125 | 160 | 41 | 0 | 45 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 5 | 0 | 0 | 1 | 12 | 19 | 134 | |
| Baboon | 70 | 48 | 185 | 23 | 5 | 7 | 17 | 7 | 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 42 | 0 | 43 | 0 | 10 | 2 | |
| Old Carcass | 0 | 6 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Cob de Buffon | 115 | 100 | 245 | 0 | 24 | 90 | 1 | 0 | 5 | 0 | 0 | 21 | 0 | 0 | 10 | 0 | 350 | 107 | 0 | 19 | 2 | 30 | 18 | |
| Cephalophe a fl. Roux | 10 | 0 | 3 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Cephalophe de Grimm | 18 | 20 | 27 | 4 | 9 | 9 | 2 | 2 | 4 | 0 | 0 | 7 | 1 | 0 | 7 | 1 | 3 | 2 | 3 | 2 | 0 | 1 | 0 | |
| Colobus Monkey | 3 | 4 | 12 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Cattle | 145 | 1,705 | 2,259 | 762 | 0 | 272 | 1,061 | 497 | 7,755 | 3,541 | 130 | 2,845 | 1,424 | 485 | 560 | 166 | 992 | 555 | 110 | 0 | 0 | 0 | 0 | |
| Civet Cat | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Eland | 0 | 176 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 24 | 0 | 18 | 15 | |
| Elephant | 0 | 232 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | |
| Farm | 3 | 2 | 10 | 27 | 3 | 8 | 4 | 24 | 0 | 20 | 0 | 0 | 3 | 0 | 8 | 12 | 25 | 23 | 11 | 0 | 0 | 0 | 0 | |
| Fire | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Giraffe | 6 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| Ground Hornbill | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hippo | 17 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 15 | |
| Horse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Illegal Activity | 7 | 2 | 4 | 2 | 6 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | |
| Lion | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Leopard | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Vevet Monkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Ourebi | 87 | 164 | 52 | 11 | 11 | 9 | 13 | 0 | 8 | 2 | 0 | 2 | 2 | 0 | 27 | 0 | 74 | 3 | 0 | 22 | 1 | 2 | 4 | |
| Python | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Roan Antelope | 202 | 207 | 173 | 83 | 2 | 20 | 5 | 38 | 16 | 7 | 1 | 0 | 0 | 0 | 29 | 0 | 87 | 45 | 0 | 28 | 0 | 9 | 8 | |
| Reedbuck | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Redunka | 20 | 46 | 6 | 1 | 0 | 4 | 2 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 19 | 1 | 8 | 0 | 1 | 4 | 0 | 2 | 0 | |
| Red Duiker | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Red Monkey | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Shoats | 0 | 100 | 100 | 78 | 0 | 25 | 155 | 5 | 290 | 150 | 0 | 180 | 40 | 20 | 40 | 82 | 165 | 70 | 25 | 0 | 0 | 0 | 0 | |
| Settlements | 3 | 5 | 22 | 9 | 2 | 5 | 2 | 5 | 0 | 0 | 0 | 0 | 11 | 0 | 2 | 5 | 9 | 15 | 4 | 0 | 1 | 1 | 2 | |
| Topi | 0 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | |
| Tresspass | 0 | 1 | 0 | 2 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| Waterbuck | 24 | 35 | 1 | 0 | 4 | 5 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 18 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Warthog | 29 | 33 | 38 | 0 | 23 | 15 | 3 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | |
| Western Hartebeast | 143 | 352 | 94 | 0 | 15 | 68 | 6 | 5 | 9 | 0 | 0 | 3 | 6 | 0 | 79 | 0 | 209 | 7 | 13 | 86 | 0 | 20 | 23 | |

DISCUSSION AND RECOMMENDATIONS

During the survey, a total of the 525 elephants counted most were in Bouba Ndjidda National Park giving a density of $0.11/\text{km}^2$, while hunting block ZIC 23 had the highest density of $0.16/\text{km}^2$. Taking into consideration the good visibility during the count, this result and that of the rest of herbivores constitute the baseline numbers upon which future surveys should be based. However, future survey planning should take cognizance that the survey adopted a 3-km & 5km spacing in the protected areas and hunting zones respectively. This was due to limited flying hours available for the count. From this baseline information, other studies such as the establishment of movement patterns and population structure should be initiated.

There is also need for improved infrastructure within the protected areas so as to enhance elephant and other wildlife species monitoring. This will enhance their protection from poachers. From field observations incidences of human-elephant conflict may be on the increase because of encroachment. This must be arrested before it becomes a serious problem by encouraging locals living near the protected areas to participate actively in elephant management. There is also the need to strengthen the legislative and institutional framework for managing elephants in these National Parks and in the hunting blocks.

As in other Parks of Cameroon, the required conservation programs for elephants and other species should address encroachment, establishing efficient protection systems and stopping illegal killing. The strategy should conform to Regional (West Africa) Programs and should also ensure:

- Adequate park protection and surveillance for the elephants.
- Securing all the buffer zones of Benoue, Faro and Bouba Ndjidda National Parks by promoting compatible land use practices within the dispersal areas. Such an action should develop strategies that would maximise benefits from elephants to the local communities through eco tourism project. A team of Park managers, community opinion leaders should for example visit Kenya where such venture has led to efficient elephant management.
- Recruit, train, equip and motivate anti-poaching and other illegal activities patrol teams to make them efficient.
- Establish village or community game guards to control poaching and other illegal activities

- Establish intelligence networks to combat poaching and investigate the linkage between domestic ivory trade and illegal killing.
- Undertake intensive research into the bio-diversity of the park, to establish the impact of encroachment.

Acknowledgement

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APPENDICES

Appendix 1: Survey results for Parc National de la Bénoué and adjacent Hunting Blocks

Results Table 1 - Elephant and Carcass Block Totals Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | |
|-------------|----------------------------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | Totals |
| Old Carcass | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Elephant | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |

Results Table 2 - Elephant and Carcass Block Densities Park National de la Benoue Adjacent Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | |
|-------------|----------------------------|-------|----------|-------|----------|-------|-------|----------|-------|---|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | |
| Old Carcass | 0 | 0 | 0.0022 | 0 | 0.002628 | 0 | 0 | 0 | 0 | 0 |
| Elephant | 0 | 0 | 0.011002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Results Table 3 - Large Herbivore Block Totals Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | |
|--------------------|----------------------------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | Totals |
| Bushbuck | 7 | 2 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 14 |
| Buffalo | 125 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 170 |
| Eland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 |
| Elephant | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Giraffe | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Hippo | 17 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 19 |
| Roan Antelope | 202 | 83 | 2 | 20 | 5 | 16 | 7 | 1 | 0 | 336 |
| Topi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waterbuck | 24 | 0 | 4 | 5 | 0 | 0 | 2 | 0 | 4 | 39 |
| Western Hartebeast | 143 | 0 | 15 | 68 | 6 | 9 | 0 | 0 | 3 | 244 |

Results Table 4 - Large Herbivore Block Densities Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | |
|--------------------|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 |
| Bushbuck | 0.003536 | 0.005136 | 0.006601 | 0 | 0 | 0.001747 | 0 | 0 | 0 |
| Buffalo | 0.063148 | 0 | 0.099021 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0206 |
| Elephant | 0 | 0 | 0.011002 | 0 | 0 | 0 | 0 | 0 | 0 |
| Giraffe | 0.003031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hippo | 0.008588 | 0 | 0 | 0.003205 | 0 | 0 | 0 | 0 | 0 |
| Roan Antelope | 0.102047 | 0.213162 | 0.004401 | 0.032053 | 0.013138 | 0.01398 | 0.020008 | 0.0215 | 0 |
| Topi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waterbuck | 0.012124 | 0 | 0.008802 | 0.008013 | 0 | 0 | 0.005716 | 0 | 0.009156 |
| Western Hartebeast | 0.072242 | 0 | 0.033007 | 0.10898 | 0.015766 | 0.007864 | 0 | 0 | 0.006867 |

Results Table 5 - Plain Game Block Totals Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | |
|-----------------------|----------------------------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | Totals |
| Cob de Buffon | 115 | 0 | 24 | 90 | 1 | 5 | 0 | 0 | 21 | 256 |
| Cephalophe a fl. Roux | 10 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 17 |
| Cephalophe de Grimm | 18 | 4 | 9 | 9 | 2 | 4 | 0 | 0 | 7 | 53 |
| Oribi | 87 | 11 | 11 | 9 | 13 | 8 | 2 | 0 | 2 | 143 |
| Reedbuck | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 6 |
| Redunka | 20 | 1 | 0 | 4 | 2 | 2 | 0 | 0 | 3 | 32 |
| Red Duiker | 1 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 6 |
| Warthog | 29 | 0 | 23 | 15 | 3 | 6 | 0 | 0 | 0 | 76 |

Results Table 6 - Plain Game Block Densities Park National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | |
|-----------------------|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 |
| Cob de Buffon | 0.058096 | 0 | 0.052811 | 0.144239 | 0.002628 | 0.004369 | 0 | 0 | 0.048067 |
| Cephalophe a fl. Roux | 0.005052 | 0.005136 | 0.0022 | 0.006411 | 0 | 0 | 0 | 0 | 0 |
| Cephalophe de Grimm | 0.009093 | 0.010273 | 0.019804 | 0.014424 | 0.005255 | 0.003495 | 0 | 0 | 0.016022 |
| Oribi | 0.043951 | 0.02825 | 0.024205 | 0.014424 | 0.03416 | 0.00699 | 0.005716 | 0 | 0.004578 |
| Reedbuck | 0.00101 | 0 | 0 | 0 | 0 | 0.003495 | 0 | 0 | 0 |
| Redunka | 0.010104 | 0.002568 | 0 | 0.006411 | 0.005255 | 0.001747 | 0 | 0 | 0.006867 |
| Red Duiker | 0.000505 | 0 | 0 | 0 | 0.002628 | 0.003495 | 0 | 0 | 0 |
| Warthog | 0.01465 | 0 | 0.050611 | 0.02404 | 0.007883 | 0.005242 | 0 | 0 | 0 |

Results Table 7 - Human Activities Block Totals Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | |
|-------------------------|----------------------------|-------|-------|-------|-------|-------|-------|----------|-------|---------------|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | Totals |
| Cattle | 145 | 762 | 0 | 272 | 1,061 | 7,755 | 3,541 | 130 | 2,845 | 16,511 |
| Farm | 3 | 27 | 3 | 8 | 4 | 0 | 20 | 0 | 0 | 65 |
| Fire | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| Horse | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| Illegal Activity | 7 | 2 | 6 | 0 | 0 | 3 | 0 | 0 | 1 | 19 |
| Shoats | 0 | 78 | 0 | 25 | 155 | 290 | 150 | 0 | 180 | 878 |
| Settlements | 3 | 9 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 21 |
| Tresspass | 0 | 2 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 18 |

Results Table 8 - Human Activities Block Densities Parc National de la Benoue and Adjacent Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | |
|-------------------------|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | Parc National de la Bénoué | ZIC 1 | ZIC 2 | ZIC 3 | ZIC 4 | ZIC 7 | ZIC 8 | ZIC 8BIS | ZIC 9 | |
| Cattle | 0.073252 | 1.956982 | 0 | 0.435921 | 2.78796 | 6.775861 | 10.12099 | 2.794978 | 6.511937 | |
| Farm | 0.001516 | 0.069342 | 0.006601 | 0.012821 | 0.010511 | 0 | 0.057165 | 0 | 0 | |
| Fire | 0.000505 | 0 | 0 | 0 | 0 | 0.000874 | 0 | 0 | 0.002289 | |
| Horse | 0 | 0 | 0 | 0 | 0 | 0.003495 | 0 | 0 | 0 | |
| Illegal Activity | 0.003536 | 0.005136 | 0.013203 | 0 | 0 | 0.002621 | 0 | 0 | 0.002289 | |
| Shoats | 0 | 0.200321 | 0 | 0.040066 | 0.407289 | 0.253385 | 0.428734 | 0 | 0.412003 | |
| Settlements | 0.001516 | 0.023114 | 0.004401 | 0.008013 | 0.005255 | 0 | 0 | 0 | 0 | |
| Tresspass | 0 | 0.005136 | 0 | 0.025642 | 0 | 0 | 0 | 0 | 0 | |

Appendix 2: Survey Results for Parc National du Faro and adjacent Hunting Blocks

Results Table 9 - Elephant and Carcass Totals and Densities Parc National du Faro and Adjacent Hunting Blocks

| Species | Block Totals | | | Block Densities | |
|-------------|-----------------------|--------|--------|-----------------------|--------|
| | Parc National du Faro | ZIC 13 | Totals | Parc National du Faro | ZIC 13 |
| Old Carcass | 0 | 0 | 0 | 0 | 0 |
| Elephant | 0 | 0 | 0 | 0 | 0 |

Results Table 10 - Large Herbivores Totals and Densities Parc National du Faro and Adjacent Hunting Blocks

| Species | Block Totals | | | Block Densities | |
|--------------------|-----------------------|--------|--------|-----------------------|----------|
| | Parc National du Faro | ZIC 13 | Totals | Parc National du Faro | ZIC 13 |
| Bushbuck | 10 | 1 | 11 | 0.002868 | 0.00149 |
| Buffalo | 41 | 0 | 41 | 0.011761 | 0 |
| Eland | 9 | 0 | 9 | 0.002582 | 0 |
| Elephant | 0 | 0 | 0 | 0 | 0 |
| Giraffe | 0 | 0 | 0 | 0 | 0 |
| Hippo | 2 | 0 | 2 | 0.000574 | 0 |
| Roan Antelope | 173 | 45 | 218 | 0.049624 | 0.06707 |
| Topi | 2 | 0 | 2 | 0.000574 | 0 |
| Waterbuck | 1 | 0 | 1 | 0.000287 | 0 |
| Western Hartebeest | 94 | 7 | 101 | 0.026963 | 0.010433 |

Results Table 11 - Plain Game Totals and Densities Parc National du Faro and Adjacent Hunting Blocks

| Species | Block Totals | | | Block Densities | |
|-----------------------|-----------------------|--------|--------|-----------------------|----------|
| | Parc National du Faro | ZIC 13 | Totals | Parc National du Faro | ZIC 13 |
| Cob de Buffon | 245 | 107 | 352 | 0.070276 | 0.159478 |
| Cephalophe a fl. Roux | 3 | 1 | 4 | 0.000861 | 0.00149 |
| Cephalophe de Grimm | 27 | 2 | 29 | 0.007745 | 0.002981 |
| Oribi | 52 | 3 | 55 | 0.014916 | 0.004471 |
| Reedbuck | 0 | 0 | 0 | 0 | 0 |
| Redunka | 6 | 0 | 6 | 0.001721 | 0 |
| Red Duiker | 0 | 0 | 0 | 0 | 0 |
| Warthog | 38 | 0 | 38 | 0.0109 | 0 |

Results Table 12 - Human Activities Totals and Densities Parc National du Faro and Adjacent Hunting Blocks

| Species | Block Totals | | | Block Densities | |
|-------------------------|-----------------------|--------|--------------|-----------------------|----------|
| | Parc National du Faro | ZIC 13 | Totals | Parc National du Faro | ZIC 13 |
| Cattle | 2,259 | 555 | 2,814 | 0.647978 | 0.827201 |
| Farm | 10 | 23 | 33 | 0.002868 | 0.03428 |
| Fire | 0 | 0 | 0 | 0 | 0 |
| Horse | 0 | 0 | 0 | 0 | 0 |
| Illegal Activity | 4 | 2 | 6 | 0.001147 | 0.002981 |
| Shoats | 100 | 70 | 170 | 0.028684 | 0.104332 |
| Settlements | 22 | 15 | 37 | 0.006311 | 0.022357 |
| Tresspass | 0 | 1 | 1 | 0 | 0.00149 |

Appendix 3: Survey results for Parc National du Bouba Ndjidda and adjacent Hunting Blocks

Results Table 13 - Elephant and Carcass Totals and Densities Parc National du Bouba Ndjidda and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | BLOCK DENSITIES | | | | | |
|-------------|--------------------------------|--------|------------------|--------|------------------|--------|--------|--------------------------------|--------|------------------|--------|------------------|--------|
| | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 | Totals | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 |
| Old Carcass | 6 | 0 | 1 | 0 | 0 | 0 | 7 | 0.002838 | 0 | 0.008801 | 0 | 0 | 0 |
| Elephant | 232 | 0 | 0 | 99 | 0 | 119 | 450 | 0.109754 | 0 | 0 | 0.1743 | 0 | 0.1605 |

Results Table 14 - Large Herbivores Totals and Densities Parc National du Bouba Ndjidda and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | BLOCK DENSITIES | | | | | |
|--------------------|--------------------------------|--------|------------------|--------|------------------|--------|--------|--------------------------------|---------|------------------|----------|------------------|---------|
| | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 | Totals | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 |
| Bushbuck | 6 | 3 | 0 | 2 | 0 | 3 | 14 | 0.002838 | 0.00602 | 0 | 0.00352 | 0 | 0.00405 |
| Buffalo | 160 | 0 | 0 | 13 | 0 | 13 | 186 | 0.075693 | 0 | 0 | 0.022882 | 0 | 0.01753 |
| Eland | 176 | 0 | 0 | 0 | 0 | 0 | 176 | 0.083262 | 0 | 0 | 0 | 0 | 0 |
| Elephant | 232 | 0 | 0 | 99 | 0 | 119 | 450 | 0.109754 | 0 | 0 | 0.174254 | 0 | 0.16051 |
| Giraffe | 27 | 0 | 0 | 0 | 0 | 2 | 29 | 0.012773 | 0 | 0 | 0 | 0 | 0.0027 |
| Hippo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Roan Antelope | 207 | 0 | 0 | 29 | 0 | 17 | 253 | 0.097927 | 0 | 0 | 0.051044 | 0 | 0.02293 |
| Topi | 28 | 0 | 0 | 0 | 0 | 0 | 28 | 0.013246 | 0 | 0 | 0 | 0 | 0 |
| Waterbuck | 35 | 0 | 0 | 18 | 0 | 8 | 61 | 0.016558 | 0 | 0 | 0.031683 | 0 | 0.01079 |
| Western Hartebeest | 352 | 6 | 0 | 79 | 0 | 12 | 449 | 0.166524 | 0.01205 | 0 | 0.139051 | 0 | 0.01619 |

Results Table 15 - Plain Game Totals and Densities Parc National du Bouba Ndjidda and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | BLOCK DENSITIES | | | | | |
|-----------------------|--------------------------------|--------|------------------|--------|------------------|--------|--------|--------------------------------|--------|------------------|---------|------------------|--------|
| | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 | Totals | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 |
| Cob de Buffon | 100 | 0 | 0 | 10 | 0 | 0 | 111 | 0.047308 | 0 | 0 | 0.0176 | 0 | 0.0148 |
| Cephalophe a fl. Roux | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cephalophe de Grimm | 20 | 1 | 0 | 7 | 1 | 0 | 29 | 0.009462 | 0.002 | 0 | 0.01232 | 0.00698 | 0 |
| Oribi | 164 | 2 | 0 | 27 | 0 | 7 | 200 | 0.077585 | 0.004 | 0 | 0.04752 | 0 | 0.0094 |
| Reedbuck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Redunka | 46 | 0 | 0 | 19 | 1 | 13 | 79 | 0.021762 | 0 | 0 | 0.03344 | 0.00698 | 0.0175 |
| Red Duiker | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warthog | 33 | 0 | 0 | 7 | 0 | 23 | 63 | 0.015612 | 0 | 0 | 0.01232 | 0 | 0.031 |

Results Table 16 – Human Activities Totals and Densities Parc National du Bouba Ndjidda and Adjacent Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | BLOCK DENSITIES | | | | | |
|------------------|--------------------------------|--------|------------------|--------|------------------|--------|--------|--------------------------------|--------|------------------|--------|------------------|---------|
| | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 | Totals | Parc National du Bouba Ndjidda | ZIC 10 | ZIC 10 - Outside | ZIC 11 | ZIC 11 - Outside | ZIC 23 |
| Cattle | 1,705 | 1,424 | 485 | 560 | 166 | 1,987 | 6,327 | 0.806598 | 2.8587 | 4.26828 | 0.9857 | 1.15843 | 2.68007 |
| Farm | 2 | 3 | 0 | 8 | 12 | 28 | 53 | 0.000946 | 0.006 | 0 | 0.0141 | 0.08374 | 0.03777 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Horse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illegal Activity | 2 | 0 | 0 | 3 | 0 | 1 | 6 | 0.000946 | 0 | 0 | 0.0053 | 0 | 0.00135 |
| Shoats | 100 | 40 | 20 | 40 | 82 | 444 | 726 | 0.047308 | 0.0803 | 0.17601 | 0.0704 | 0.57224 | 0.59887 |
| Settlements | 5 | 11 | 0 | 2 | 5 | 13 | 36 | 0.002365 | 0.0221 | 0 | 0.0035 | 0.03489 | 0.01753 |
| Tresspass | 1 | 2 | 0 | 0 | 0 | 6 | 9 | 0.000473 | 0.004 | 0 | 0 | 0 | 0.00809 |

Appendix 4: Survey results for other Hunting Blocks

Results Table 17 - Elephant and Carcass Totals Other Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | | | | |
|-------------|--------------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | Totals |
| Old Carcass | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| Elephant | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 |

Results Table 18 - Elephant and Carcass Densities Other Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | | | |
|-------------|-----------------|---------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 |
| Old Carcass | 0 | 0.00084 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 0 |
| Elephant | 0 | 0 | 0 | 0.0551 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 0 |

Results Table 19 - Large Herbivore Totals Other Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | | | | |
|--------------------|--------------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | Totals |
| Bushbuck | 1 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 11 | 0 | 25 |
| Buffalo | 76 | 5 | 0 | 1 | 12 | 19 | 134 | 55 | 0 | 0 | 40 | 0 | 342 |
| Eland | 0 | 6 | 0 | 24 | 0 | 18 | 15 | 0 | 0 | 0 | 0 | 0 | 63 |
| Elephant | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 70 |
| Giraffe | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Hippo | 0 | 0 | 0 | 0 | 0 | 14 | 15 | 0 | 0 | 0 | 0 | 2 | 31 |
| Roan Antelope | 38 | 87 | 0 | 28 | 0 | 9 | 8 | 1 | 17 | 0 | 16 | 0 | 204 |
| Topi | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Waterbuck | 0 | 141 | 0 | 0 | 0 | 0 | 1 | 25 | 4 | 2 | 10 | 0 | 183 |
| Western Hartebeast | 5 | 209 | 13 | 86 | 0 | 20 | 23 | 72 | 16 | 0 | 58 | 2 | 504 |

Results Table 20 - Large Herbivore Densities Other Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | | | |
|--------------------|-----------------|---------|--------|---------|---------|---------|-----------|--------|--------|--------|---------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 |
| Bushbuck | 0.00126 | 0.00755 | 0 | 0 | 0 | 0.00167 | 0 | 0.002 | 0.0066 | 0 | 0.01056 | 0 |
| Buffalo | 0.09602 | 0.00419 | 0 | 0.0008 | 0.03171 | 0.03171 | 0.17703 | 0.126 | 0 | 0 | 0.03841 | 0 |
| Eland | 0 | 0.00503 | 0 | 0.01918 | 0 | 0.03004 | 0.01982 | 0 | 0 | 0 | 0 | 0 |
| Elephant | 0 | 0 | 0 | 0.05513 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00096 | 0 |
| Giraffe | 0 | 0 | 0 | 0.0016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hippo | 0 | 0 | 0 | 0 | 0 | 0.02336 | 0.01982 | 0 | 0 | 0 | 0 | 0.0047 |
| Roan Antelope | 0.04801 | 0.07299 | 0 | 0.02237 | 0 | 0.01502 | 0.01057 | 0.002 | 0.0563 | 0 | 0.01536 | 0 |
| Topi | 0 | 0 | 0 | 0 | 0.00793 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waterbuck | 0 | 0.11829 | 0 | 0 | 0 | 0 | 0.00132 | 0.057 | 0.0132 | 0.0049 | 0.0096 | 0 |
| Western Hartebeast | 0.00632 | 0.17533 | 0.032 | 0.06871 | 0 | 0.03338 | 0.03039 | 0.165 | 0.053 | 0 | 0.05569 | 0.0047 |

Results Table 21 - Plain Game Totals Other Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | | | | |
|-----------------------|--------------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | Totals |
| Cob de Buffon | 0 | 350 | 0 | 19 | 2 | 30 | 18 | 40 | 8 | 11 | 21 | 35 | 534 |
| Cephalophe a fl. Roux | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 9 |
| Cephalophe de Grimm | 2 | 3 | 3 | 2 | 0 | 1 | 0 | 2 | 2 | 1 | 7 | 1 | 24 |
| Ourebi | 0 | 74 | 0 | 22 | 1 | 2 | 4 | 2 | 2 | 1 | 15 | 4 | 127 |
| Reedbuck | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Redunka | 0 | 8 | 1 | 4 | 0 | 2 | 0 | 0 | 4 | 0 | 2 | 0 | 21 |
| Red Duiker | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warthog | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 2 | 8 | 2 | 17 | 0 | 36 |

Results Table 22 - Plain Game Densities Other Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | | | | |
|-----------------------|-----------------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|--|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | |
| Cob de Buffon | 0 | 0.29362 | 0 | 0.01518 | 0.00528 | 0.05007 | 0.02378 | 0.09151 | 0.02649 | 0.02717 | 0.02016 | 0.08168 | |
| Cephalophe a fl. Roux | 0 | 0.00252 | 0 | 0 | 0 | 0 | 0 | 0.00229 | 0.00331 | 0 | 0.00384 | 0 | |
| Cephalophe de Grimm | 0.00253 | 0.00252 | 0.00728 | 0.0016 | 0 | 0.00167 | 0 | 0.00458 | 0.00662 | 0.00247 | 0.00672 | 0.00233 | |
| Ourebi | 0 | 0.06208 | 0 | 0.01758 | 0.00264 | 0.00334 | 0.00528 | 0.00458 | 0.00662 | 0.00247 | 0.0144 | 0.00933 | |
| Reedbuck | 0 | 0.00084 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Redunka | 0 | 0.00671 | 0.00243 | 0.0032 | 0 | 0.00334 | 0 | 0 | 0.01324 | 0 | 0.00192 | 0 | |
| Red Duiker | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Warthog | 0 | 0 | 0 | 0.0008 | 0.01585 | 0 | 0 | 0.00458 | 0.02649 | 0.00494 | 0.01632 | 0 | |

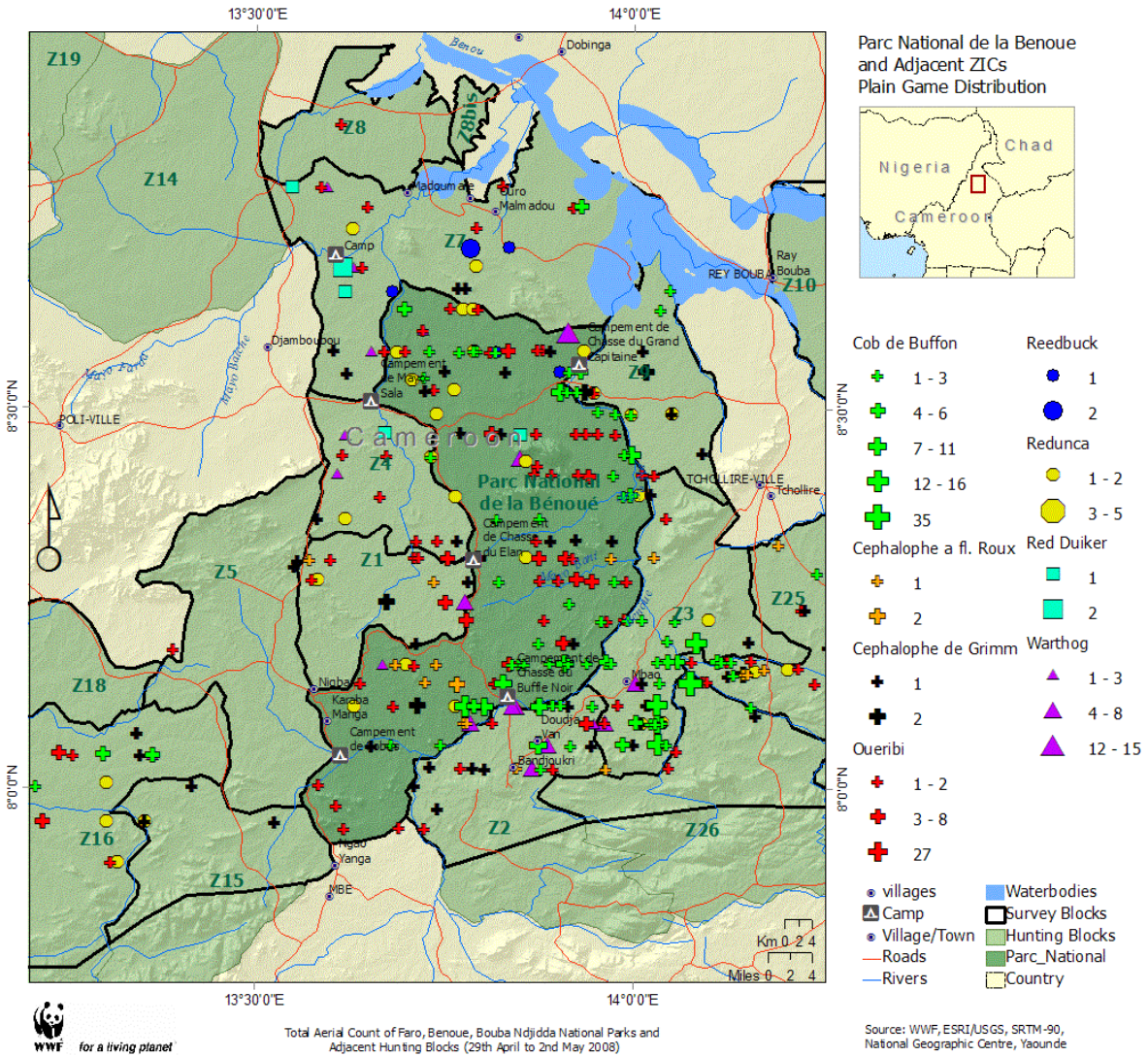
Results Table 23 - Human Activities Totals Other Hunting Blocks

| SPECIES | BLOCK TOTALS | | | | | | | | | | | | |
|------------------|--------------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | Totals |
| Cattle | 497 | 992 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 817 | 0 | 2,416 |
| Farm | 24 | 25 | 11 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 68 |
| Fire | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Horse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illegal Activity | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| Shoats | 5 | 165 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 195 |
| Settlements | 5 | 9 | 4 | 0 | 1 | 1 | 2 | 0 | 3 | 1 | 0 | 0 | 26 |
| Tresspass | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

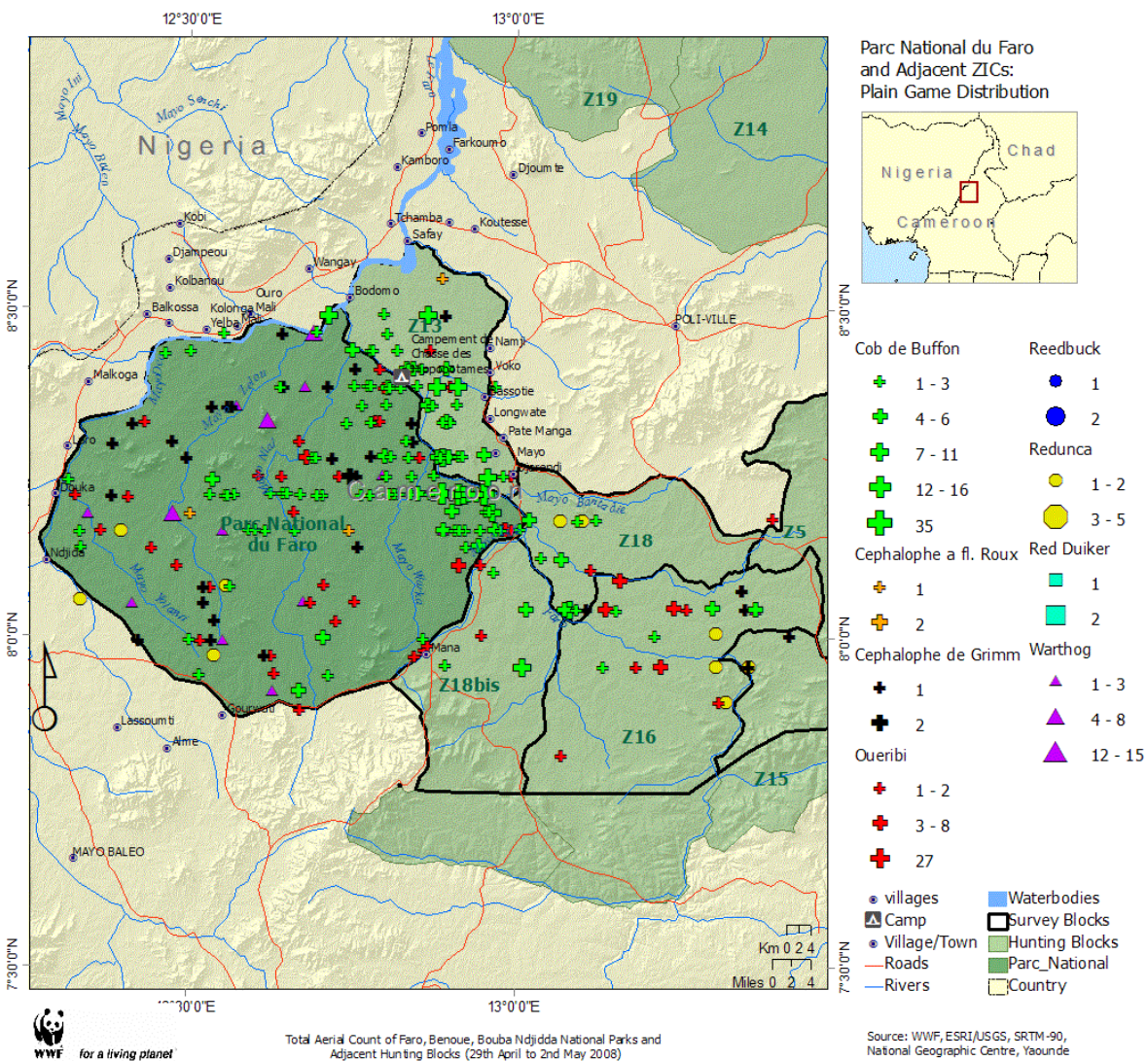
Results Table 24 - Human Activities Densities Other Hunting Blocks

| SPECIES | BLOCK DENSITIES | | | | | | | | | | | | |
|------------------|-----------------|---------|---------|--------|---------|--------|-----------|--------|---------|--------|--------|--------|--|
| | ZIC 5 | ZIC 12 | ZIC 15 | ZIC 16 | ZIC 17 | ZIC 18 | ZIC 18BIS | ZIC 20 | ZIC 21 | ZIC 24 | ZIC 25 | ZIC 26 | |
| Cattle | 0.62791 | 0.8322 | 0.26709 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7845 | 0 | |
| Farm | 0.03032 | 0.02097 | 0.02671 | 0 | 0 | 0 | 0 | 0 | 0.02317 | 0 | 0.001 | 0 | |
| Fire | 0 | 0.00168 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Horse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Illegal Activity | 0.00126 | 0 | 0 | 0 | 0 | 0.0017 | 0 | 0 | 0 | 0 | 0.001 | 0 | |
| Shoats | 0.00632 | 0.13842 | 0.0607 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Settlements | 0.00632 | 0.00755 | 0.00971 | 0 | 0.00264 | 0.0017 | 0.00264 | 0 | 0.00993 | 0.0025 | 0 | 0 | |
| Tresspass | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

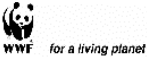
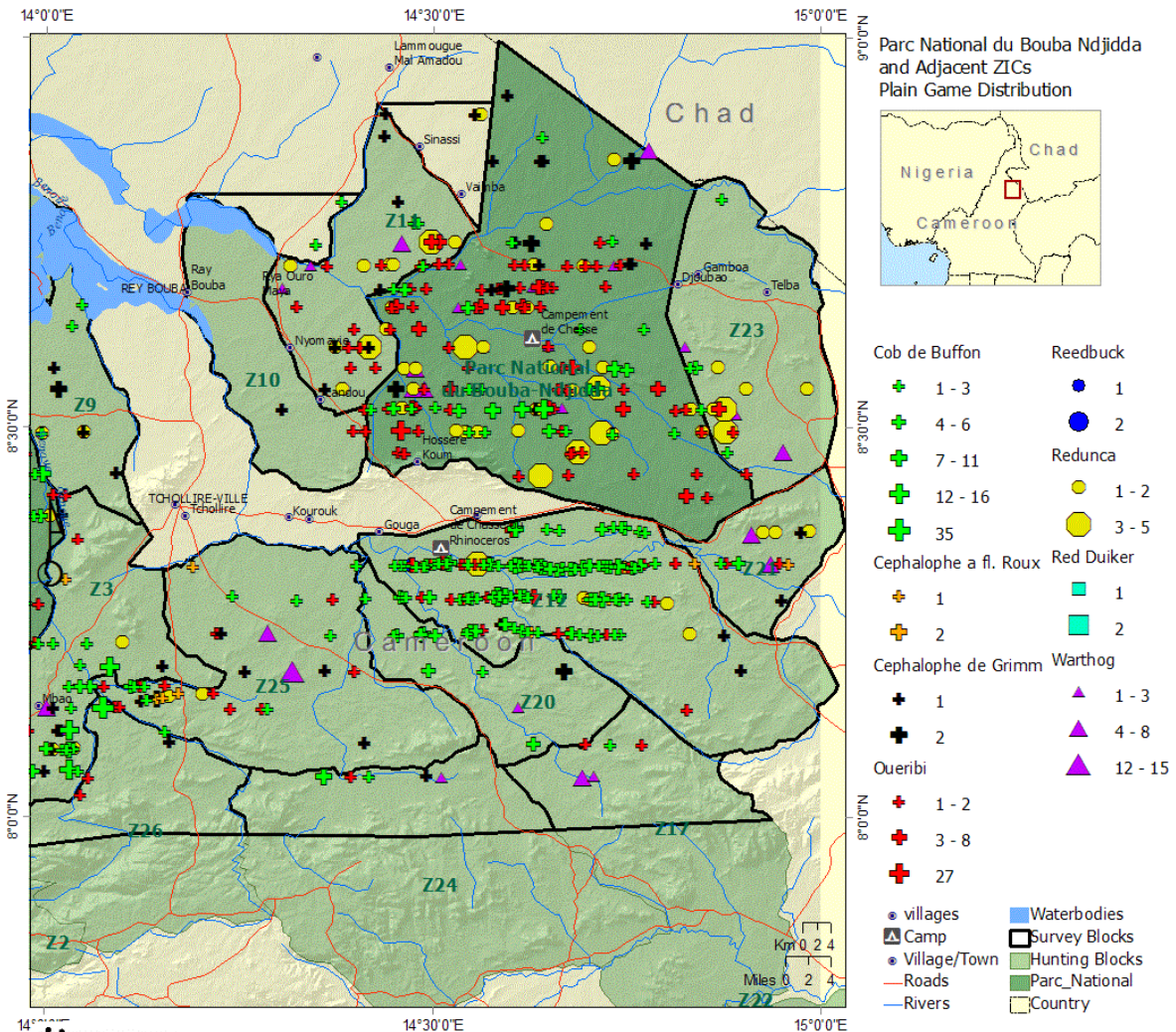
Appendix 5: Plain Game Distribution in Benoue National Park and Adjacent Hunting Blocks



Appendix 6. Plain Game Distribution in Faro National Park and Adjacent Hunting Blocks



Appendix 7. Plain Game Distribution in Bouba Ndjidda National Park and Adjacent Hunting Blocks



Total Aerial Count of Faro, Benoue, Bouba Ndjidda National Parks and Adjacent Hunting Blocks (29th April to 2nd May 2008)

Source: WWF, ESRI/USGS, SRTM-90, National Geographic Centre, Yaounde

Appendix 8: List of Participants

PARTICIPANTS BENOUE, FARO AND BOUBA NDJIDDA WILDLIFE CONSERVATION AREAS AERIAL COUNT 29TH APRIL - 2ND MAY 2008

| | Name | Institution | Position | Telephone | Address | Email |
|----|---------------------|--------------------------------------|---------------------|--------------------------------|---------------------------------------|--|
| 1 | Joseph Ele | Cameroon Radio and Television (CRTV) | TV Reporter | +237 77557631 | B.P. 103 Garoua, Cameroon | |
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| 12 | Dennis Freeland | SIL | Pilot | 22303948 | B.P. 1299, Yaounde, Cameroon | aviation-cameroon@sil.org |
| 13 | Robert Peterson | SIL | Pilot | 22303948 | B.P. 1299, Yaounde, Cameroon | aviation-cameroon@sil.org |
| 14 | David Carman | SIL | Pilot | 22303948 | B.P. 1299, Yaounde, Cameroon | aviation-cameroon@sil.org |
| 15 | Amanda Nelson | SIL | Pilot | 22303948 | B.P. 1299, Yaounde, Cameroon | aviation-cameroon@sil.org |
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| 17 | Saleh Adam | Benoue National Park | Conservator | +237 75024037 | B.P. 126, Garoua, Cameroon | salehadamwaza@yahoo.fr |
| 18 | Kiang Andre | DD MINFOF | | +237 99320254 +237 79252754 | B.P. 126, Garoua, Cameroon | |
| 19 | Bashir | MINFOF | Driver | | B.P. 126, Garoua, Cameroon | |

Appendix 5: Data Sheets

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|-------------------------|------------------|---------------|-----------------------|-------|
| Pilot: | David Carman | Aircraft: | N44344 | Take Off Time: | 07:50 |
| Front Seat Observer | Assan Gomse | Date: | 29/04/2008 | Start Count: | 08:14 |
| Rear Seat Observer (Left) | Bene Lambert | Block: | Bouba Ndjidda | Stop Count: | 11:34 |
| Rear Seat Observer (Right) | Ele Medjo/Amanda Nelson | | | Landing Time: | 11:44 |

| Waypoint | BN | C3 | CB | CG | CT | ED | EL | FM | LP | OB | RA | RD | SH | ST | WH | WHB | WP |
|----------|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|-----|----|
| 1 | | | | | | | 38 | | | | | | | | | | |
| 2 | | | | | 200 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | 50 | | | | |
| 4 | | | | | | | | | | | | | | 1 | | | |
| 5 | | | | | 50 | | | | | | | | | | | | |
| 6 | | | | | 30 | | | | | | | | | | | | |
| 7 | | | | | 50 | | | | | | | | | | | | |
| 8 | | | | 1 | | | | | | | | | | | | | |
| 9 | | | | | 40 | | | | | | | | | | | | |
| 10 | | | | | 250 | | | | | | | | | | | | |
| 11 | | | | | 180 | | | | | | | | | | | | |
| 12 | | | | | 75 | | | | | | | | | | | | |
| 13 | | | | | 200 | | | 1 | | | | | | | | | |
| 14 | | | | | | | | | | | | | 1 | | | | |
| 15 | | | | 1 | | | | | | | | | | | | | |
| 16 | | | | | | | | 1 | | | | | | | | | |
| 17 | | | | | | | | | | | | | | 1 | | | |
| 18 | | | | | | | | 1 | | | | | | | | | |
| 19 | | | | | | | | | | | | | | 1 | | | |
| 20 | | | | | | | | | | | | | 4 | | | | |
| 21 | | | | | | | | | | | | | 36 | | | | |
| 22 | | | | | 2 | | | | | | | | | | | | |
| 23 | | | | | | | | 1 | | | | | | | | | |
| 24 | | | | | | | | 1 | | | | | | | | | |
| 25 | | | | | 2 | | | | | | | | | | | | |
| 26 | | | | | 13 | | | | | | | | | | | | |
| 27 | | | | | 2 | | | | | | | | | | | | |
| 28 | | | | 1 | | | | | | | | | | | | | |
| 29 | | | | 1 | | | | | | | | | | | | | |
| 30 | | | | | | | | 1 | | | | | | | | | |
| 31 | | | | | | | | 1 | | | | | | | | | |
| 32 | | | | | 80 | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | 1 | | | |
| 34 | | | | | | | | 1 | | | | | | | | | |
| 35 | | | | | | | | 1 | | | | | | | | | |
| 36 | | | | | 2 | | | | | | | | | | | | |
| 37 | | | | | 2 | | | | | | | | | | | | |
| 38 | | | | | | | | 1 | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | 1 |
| 40 | | | | | | | | | | | | | | | | | 1 |
| 41 | | | | 1 | | | | | | | | | | | | | |
| 42 | 6 | | | | | | | | | | | | | | | | |
| 43 | | | | | | | 1 | | | | | | | | | | |
| 44 | | | | | 75 | | | | | | | | | | | | |
| 45 | | | | | 150 | | | | | | | | | | | | |
| 46 | | | | | 100 | | | | | | | | | | | | |
| 47 | | | | | 40 | | | | | | | | | | | | |
| 48 | | | | | 15 | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | 1 |
| 50 | | | | | | | | | | | | | | | 7 | | 1 |
| 51 | | | | | | | | | | | 1 | | | | | | |
| 52 | | | | 2 | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | 1 |
| 54 | | | | | | | | | | | | 1 | | | | | |
| 55 | | | | | | | | | | | 45 | | | | | | |
| 56 | | | | 1 | | | | | | | | | | | | | |
| 57 | | | | 1 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | 15 | |
| 59 | | | | 1 | | | | | | | | | | | | | |
| 60 | | | | | | | | 1 | | | | | | | | | |
| 61 | | | | | | | | 1 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
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| 62 | | | | 20 | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | 35 | | | | | | | | | |
| 64 | | | | | | | | | | 1 | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | | | | 1 | |
| 66 | | | | | | | | | | | | 20 | | | | | | | | | |
| 67 | | | | | | | | | | 1 | | | | | | | | | | | |
| 68 | | | | | | | | | | 1 | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | | | | 16 |
| 70 | | | | | | | | | | | | | | | | | | | | | 20 |
| 71 | | | | | | | | | | | | | | | | | | | | | 1 |
| 72 | | | | | | | | | | | | | | | | | | | | | 4 |
| 73 | | | | | | | | | | | | | | | | | | | | | 35 |
| 74 | | | | | | | | | | | | | | | | | | | | | 12 |
| 75 | | | | | | | | | | | | | | | | | | | | | 40 |
| 76 | | | | | | | | | | | | | | | | | | | | | 1 |
| 77 | | | | | | | | | | | | | | | | | | | | | 1 |
| 78 | | | | | | | | | | | | | | | | | | | | | 35 |
| 79 | | | | | | | | | | | | | | | | | | | | | 45 |
| 80 | | | | | | | | | | | | | | | | | | | | | 1 |
| 81 | | | | | | | | | | | | | | | | | | | | | 25 |
| 82 | | | | | | | | | | | | | | | | | | | | | 86 |
| 83 | 22 | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | 9 |
| 85 | | | | | | | | | | | | | | | | | | | | | 15 |
| 86 | | | | | | | | | | | | | | | | | | | | | 2 |
| 87 | | | | | | | | | | | | | | | | | | | | | 40 |
| 88 | | | | | | | | | | | | | | | | | | | | | 6 |
| 89 | | | | | | | | | | | | | | | | | | | | | 1 |
| 90 | | | | | | | | | | | | | | | | | | | | | 1 |
| 91 | | | | | | | | | | | | | | | | | | | | | 7 |
| 92 | | | | | | | | | | | | | | | | | | | | | 100 |
| 93 | | | | | | | | | | | | | | | | | | | | | 1 |
| 94 | | | | | | | | | | | | | | | | | | | | | 1 |
| 95 | | | | | | | | | | | | | | | | | | | | | 110 |
| 96 | | | | | | | | | | | | | | | | | | | | | 75 |
| 97 | | | | | | | | | | | | | | | | | | | | | 100 |
| 98 | | | | | | | | | | | | | | | | | | | | | 20 |
| 99 | | | | | | | | | | | | | | | | | | | | | 1 |
| 100 | | | | | | | | | | | | | | | | | | | | | 1 |
| 101 | | | | | | | | | | | | | | | | | | | | | 100 |
| 102 | | | | | | | | | | | | | | | | | | | | | 1 |
| 103 | | | | | | | | | | | | | | | | | | | | | 1 |
| 104 | | | | | | | | | | | | | | | | | | | | | 130 |
| 105 | | | | | | | | | | | | | | | | | | | | | 200 |
| 106 | | | | | | | | | | | | | | | | | | | | | 3 |
| 107 | | | | | | | | | | | | | | | | | | | | | 2 |
| 108 | | | | | | | | | | | | | | | | | | | | | 110 |
| 109 | 5 | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | | 3 |
| 111 | | | | | | | | | | | | | | | | | | | | | 1 |
| 112 | | | | | | | | | | | | | | | | | | | | | 0 |
| 113 | | | | | | | | | | | | | | | | | | | | | 2 |
| 114 | | | | | | | | | | | | | | | | | | | | | 150 |
| 115 | | | | | | | | | | | | | | | | | | | | | 0 |
| 116 | | | | | | | | | | | | | | | | | | | | | 100 |
| 117 | | | | | | | | | | | | | | | | | | | | | 50 |
| 118 | | | | | | | | | | | | | | | | | | | | | 200 |
| 119 | | | | | | | | | | | | | | | | | | | | | 250 |
| 120 | | | | | | | | | | | | | | | | | | | | | 100 |
| 121 | | | | | | | | | | | | | | | | | | | | | |
| 122 | | | | | | | | | | | | | | | | | | | | | 50 |
| 123 | | | | | | | | | | | | | | | | | | | | | 300 |
| 124 | | | | | | | | | | | | | | | | | | | | | 75 |
| 125 | | | | | | | | | | | | | | | | | | | | | 40 |
| 126 | | | | | | | | | | | | | | | | | | | | | 70 |
| 127 | | | | | | | | | | | | | | | | | | | | | 13 |
| 128 | | | | | | | | | | | | | | | | | | | | | 60 |
| 129 | | | | | | | | | | | | | | | | | | | | | 20 |
| | | | | | | | | | | | | | | | | | | | | | 30 |

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| 130 | | | | 50 | | | | | | | | | | | | |
| 131 | | | | 50 | | | | | | | | | | | | |
| 132 | | | | 15 | | | | | | | | | | | | |
| 133 | | | | | | | | 1 | | | | | | | | |
| 134 | | | | | | | | | | 1 | | | | | | |
| 135 | | | | 1 | | | | | | | | | | | | |
| 136 | | | 1 | | | | | | | | | | | | | |
| 137 | | | | | | | | | | | | | | | 4 | |
| 138 | | | | | | | | 1 | | | | | | | | |
| 139 | | | | | | | | | | | | | | | 15 | |
| 140 | | | | | | | | | | | | | | | 2 | |
| 141 | | | | | | | | | | 4 | | | | | | |
| 142 | | | | | | | | | | 20 | | | | | | |
| 143 | | | | 2 | | | | | | | | | | | | |
| 144 | | | | 1 | | | | | | | | | | | | |
| 145 | | | 1 | | | | | | | | | | | | | |
| 146 | | | | | | | | | | | | | | 2 | | |
| 147 | | | | | 10 | | | | | | | | | | | |
| 148 | | | | | | | | | | | 1 | | | | | |
| 149 | | | | | | | | | | 5 | | | | | | |
| 150 | | | | | | | | | 5 | | | | | | | |
| 151 | | | | | | | | | 3 | | 5 | | | | | |
| 152 | | | | | | | | | | | | | | | 4 | |
| 153 | | | | 2 | | | | | | | | | | | | |
| 154 | | | 1 | | | | | | | | | | | | | |
| 155 | | | | | | | | | | | | | | 1 | | |
| 156 | | | | | | | | 1 | | | | | | | | |
| 157 | | | | | | | | | | | | | | 1 | | |
| 158 | | | | | 75 | | | | | | | | | | | |
| 159 | | | | | | | | 1 | | | | | | | | |
| 160 | | | | | | | | | | | | | | 1 | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------|------------------|---------------|-----------------------|-------|
| Pilot: | Robert Peterson | Aircraft: | N123TM | Take Off Time: | 06:16 |
| Front Seat Observer | Elphas Bitok | Date: | 29/04/2008 | Start Count: | 06:40 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Bouba Ndjidda | Stop Count: | 11:15 |
| Rear Seat Observer (Right) | Tiawon Sylvain | | | Landing Time: | 11:26 |

| Way point | BB | BF | BN | CB | CG | CL | CT | ED | EL | GF | IL | NIL | OB | RA | RD | SH | TP | WB | WH | WHB |
|-----------|----|----|----|----|----|----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | 100 | | | | | | | | | 50 | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | 17 |
| 3 | | | | | | | | | | | | | | | | | | | | 15 |
| 4 | | | | | | | | | | | | | | | | | 5 | | | |
| 5 | | | | | | | | | | | | | | 4 | | | | | | 5 |
| 6 | | | | | | | | | | | | | | 1 | | | | | | |
| 7 | | | | | | | | | | | | | | 2 | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | 3 |
| 9 | | | | | | | | | | | | | | 2 | | | | | | |
| 10 | | | | | | | | | | | | | | | | | 2 | | | |
| 11 | | | | | | | | | | | | | | 2 | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | 10 |
| 13 | | | | | | | | | | | | | | | | | 8 | | | |
| 14 | | | | | | | | | | | | | | 1 | | | | | | |
| 15 | | | | | | | | | | | | | | | 1 | | | | | |
| 16 | | | | | | | | | | | | | | | | 4 | | | | |
| 17 | | | | | | | | | | | | | | 1 | | | 6 | | | |
| 18 | | | | | | | | | | | | | | | | | 4 | 1 | | |
| 19 | | | 3 | | | | | | | | | | | 2 | | | | | | |
| 20 | | | | | | | | | | | | | | 1 | | | | | | |
| 21 | | | | | | | | | | | | | | 2 | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | 1 | | | | | | | | | | | | | | | | 21 |
| 24 | | | | | | | | | | | | | | | | | | | | 10 |
| 25 | | | | | | | | | | | | | | 1 | | | | | | 5 |
| 26 | | | 4 | | | | | | | | | | | 2 | | | | | | 6 |
| 27 | | | | | | | | | | | | | | | | 3 | | | | 7 |
| 28 | | | | | | | | | | | | | | 1 | | | | 10 | | |
| 29 | | | | | | | | | | | | | | | | | | | | 11 |
| 30 | | | 13 | | 2 | | | | | | | | | | | | | 4 | | |
| 31 | | | | | | | | | | 72 | | | | | | | | | | |
| 32 | | | | | | | | | | 11 | | | | | | | | | | |
| 33 | | | | | | | | | | 10 | | | | | | | | | | |
| 34 | | | | | | | | | | 2 | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | 5 | |
| 37 | | | | | | | 80 | | | | | | | | | 20 | | | | |
| 38 | | | | | | | 10 | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | 12 |
| 40 | | | | | | | | | | | | | | 1 | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | 3 | | |
| 42 | | | | | | | | | | | | | | | | 4 | | | | |
| 43 | | | | | | | | | | 2 | | | | | | | | | | |
| 44 | | | | | | | | | | | | | 0 | | | | | | | 36 |
| 45 | | | | | | | | | | | | | | 1 | | 1 | | | | |
| 46 | | | 14 | | | | | | | | | | | | | | | | | |
| 47 | | | | 3 | | | | | | | | | | | | | | | | 5 |
| 48 | | | | | | | | | | | | | | | | | | 3 | | |
| 49 | | | | | | | | | | | | | | 4 | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | 15 |
| 51 | | | | 1 | 1 | | | | | | | | | | | 1 | | | | |
| 52 | | | 5 | | | | | | | | | | | | | 3 | | | | |
| 53 | | | | 1 | | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | 2 | | | | | | |
| 55 | | | | 6 | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | 1 | | | | |
| 57 | | | 26 | | | | | | | | | | | | | | | | | |
| 58 | | | | 1 | | | | | | | | | | 2 | | | | | | |
| 59 | | | | | | | | | | | | | | | | 1 | | | | |

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| 60 | | | 3 | | | | | | | 2 | | | | | | | |
| 61 | | | | | | | | | | | 2 | | | | | | 1 |
| 62 | | | | | | | | | | | 1 | | | | | | 6 |
| 63 | | | | | | | | | | | | | | | | | 1 |
| 64 | | 6 | | | | | | | | | | | | | | | 5 |
| 65 | | | | | | | | | | 1 | | | | | | | 5 |
| 66 | | | | | | | | | | | | | | | | | 6 |
| 67 | | 1 | | | | | | | | 27 | | | | | | | |
| 68 | | | | | | | | | | | | | 3 | | | | |
| 69 | | | | | | | | | | 1 | | | | | | | |
| 70 | | | | | | | | | | 1 | | | | | | | |
| 71 | | | | | | | 10 | | | | | | | | | | |
| 72 | | | | 1 | | | | | | | | | | | | | |
| 73 | | | | | | | 45 | | | | | | | | | | |
| 74 | | | | | | | 20 | | | | | | | | | | |
| 75 | | | | | | | | | | 2 | | | | | | | 2 |
| 76 | | | 1 | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | 2 | | | | | | | |
| 78 | | | 5 | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | 1 | | | | | | |
| 80 | | | 2 | | | | | | | 3 | | | | | | | |
| 81 | | | | | | | | | | 1 | 7 | | | | | | |
| 82 | | 7 | 2 | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | 1 | | | | | | | |
| 84 | | | 5 | | | | | | | | | | | | | | 1 |
| 85 | | 32 | | | | | | 108 | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | 4 |
| 87 | | | 10 | | | | | | | | | | | | | | |
| 88 | | | 7 | | | | | | | 1 | | | | | | | |
| 89 | | | | 1 | | | | | | | | 1 | | | | | 3 |
| 90 | | | 13 | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | 3 | 12 | | | | | | |
| 92 | | | | | | | | | | 2 | | | | | | | |
| 93 | | | | | | | | | | | | | | | | 3 | |
| 94 | | | | | | | | | | 3 | | | | | | | |
| 95 | 1 | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | 2 | | | | | | | |
| 97 | | | | | | | | | | 2 | | | | | | | |
| 98 | | | | | | | | | | | 1 | | | 2 | | | |
| 99 | | | 1 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | 2 | | | | | | |
| 101 | | | | | | | | | | 4 | | | | | | | |
| 102 | 2 | | | | | | | | | | 4 | | | | | | |
| 103 | | | | | | | | | | | | | | | | | 15 |
| 104 | | | | | | | | | | | 2 | | | | | | |
| 105 | | | | | | | | 13 | | | | | | | | | |
| 106 | | | | | | | | | | | | 1 | | | | | |
| 107 | | | | | | | 35 | | | | 1 | | | | | | |
| 108 | | | | | | | 4 | | | | | | | | | | |
| 109 | | | | | | | | | | | | | | | | 1 | |
| 110 | | | | | | | | | | | 1 | | | | | | |
| 111 | | | | | | 4 | | | | 5 | | | | | | | |
| 112 | | | | | | | | | | 1 | | | | | | | 6 |
| 113 | | | 5 | | | | | | | | 4 | | | | | | |
| 114 | | | 2 | | | | | | | | | | | | | | |
| 115 | | | | | | | | | | | | | | | | | 12 |
| 116 | | | | | | | | | | | 1 | 1 | | | | | |
| 117 | | | | | | | | | | 2 | | | | | | | |
| 118 | | | | | | | | | | 1 | | | | | | | |
| 119 | | | | | | | | 14 | | | | | | | | | |
| 120 | | | 3 | | | | | | | 2 | | | | | | | |
| 121 | | | 1 | | | | | | | | | | | | | | |
| 122 | | | | | | | | | | 5 | 1 | | | | | | |
| 123 | | | | | | | | | | 1 | | | | | | | 6 |

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| 124 | | | | | | | | | | | | | | | 2 | | | 6 | |
| 125 | | | | 2 | | | | | | | | | | | | | | | 1 |
| 126 | | | | | | | | | | | | | | | 1 | | | 1 | |
| 127 | | | | 1 | | | | | | | | | | | | | | | |
| 128 | | | | | | | | | | | | | | | | | | | 6 |
| 129 | | | | | | | | | | | | 2 | | | | | | | |
| 130 | | 13 | | | | | | | | | | | 12 | | | | | | |
| 131 | | | | | | | | | | | | | | | | | | | 5 |
| 132 | | | | | | | | | | | 2 | 2 | | | | | | | |
| 133 | | | | | | | | | | | | | | 2 | | | | | 3 |
| 134 | | | | | | | | | | | | | | 1 | | | | 5 | |
| 135 | | | | | | | | | | | | | | | | | 2 | | 8 |
| 136 | | | | | | | 2 | | | | | | | | | | | | |
| 137 | | | | | | | | | | | | 2 | | | | | | | |
| 138 | | 5 | | | | | | | | | | | | | | | | | |
| 139 | | | | | | | | | | | | | | | | | | | 1 |
| 140 | | | | | | | | | | | | 1 | | | | | | | |
| 141 | | | | | | | | | | | | 8 | | | | | | | |
| 142 | | | | | | | | | | | | | | | | | | | 1 |
| 143 | | | | 8 | | | | | | | | | | | | | | | |
| 144 | | | | | | | | | | | 10 | | | | | | | | 6 |
| 145 | | | | 6 | | | | | | | | | | | | | | 1 | 10 |
| 146 | | | 20 | | | | | | | | 10 | | | | | | | | |
| 147 | | 10 | | | | | | | | | | | | | | | | | |
| 148 | | 46 | | | | | | | | | | | | | | | | | |
| 149 | | | | 2 | | | | | | | | | | | | | | | |
| 150 | | | | 4 | | | | | | | | | | | | | | | |
| 151 | 1 | | | | | | | | | | | 1 | | | | | | | |
| 152 | | | | | | | | | | | | | | | | | | | |
| 153 | | | | | | | | | | | | | | | | | | | 1 |
| 154 | | | | | | | | | | | | | 14 | | | | | | |
| 155 | | | | | | | | | 55 | | | | | | | | | | |
| 156 | | | | | | | | | 10 | | | | | | | | | | |
| 157 | | | | | | | | | | | | | | | | | | | 150 |
| 158 | | | | | | | | | | | | | | | | | | | 3 |
| 159 | | | | | | | | | | | | | | | | | | | 1 |
| 160 | | | | | | | | | | | | | | | | | | | 1 |
| 161 | 2 | | | | | | | | | | | 1 | | | | | | | |
| 162 | | | | | | | | | | | | 4 | | | | | | | 3 |
| 163 | | | | | | | | | | | | | 3 | | | | | | 2 |
| 164 | | | | | | | | | | | | | | | | | | | |
| 165 | | | | | | | | | | | | | | | | | | | 26 |
| 166 | | | | | | | | | | | | | | | | | | | 1 |
| 167 | | | | | | | | | | | | | | | | | | | 4 |
| 168 | | | | | | | | | | | | | | | | | | | 2 |
| 169 | | | | | | | | | | | | | | | | | | | 15 |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|----------------------------|------------------|---------------|-----------------------|-------|
| Pilot: | David Carman/Amanda Nelson | Aircraft: | N44344 | Take Off Time: | 15:15 |
| Front Seat Observer | Assan Gomse | Date: | 29/04/2008 | Start Count: | 15:25 |
| Rear Seat Observer (Left) | Andre Kiang | Block: | Bouba Ndjidda | Stop Count: | 17:53 |
| Rear Seat Observer (Right) | Badjanga | | | Landing Time: | 18:04 |

| Way point | BB | BF | C1 | C2 | C3 | CB | CG | CT | ED | EL | FM | GF | IL | OB | PY | RA | RD | SH | ST | WB | WBH | WH | WHB | WP |
|-----------|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|-----|----|
| 1 | | | | | | | | 45 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | 150 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 4 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 6 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 7 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 10 | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 11 | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 15 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 16 | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 18 | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 20 | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 24 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 26 | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 28 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 29 | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 33 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 34 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 37 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 38 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | 10 | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 42 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 43 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 45 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 47 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 48 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 49 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 51 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 53 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 55 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 58 | | | | | | | | 25 | | | | | | | | | | | | | | | | |

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| 59 | | | | | 50 | | | | | | | | | | | | | | | |
| 60 | | | | | 15 | | | | | | | | | | | | | | | |
| 61 | | | | | 12 | | | | | | | | | | | | | | | |
| 62 | | | | | 20 | | | | | | | | | | | | | | | |
| 63 | | | | | 25 | | | | | | | | | | | | | | | |
| 64 | | | | | | | 1 | | | | | | | | | | | | | |
| 65 | | | | | 75 | | | | | | | | | | | | | | | |
| 66 | | | | | | | 1 | | | | | | | | | | | | | |
| 67 | | | | | 40 | | | | | | | | | | | | | | | |
| 68 | | | | | | | 1 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | 1 | | | |
| 70 | | | | | | | | | | | | | | | | 2 | | | | |
| 71 | | | | | 2 | | | | | | | | | | | | | | | |
| 72 | | | | | 14 | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | 5 | | | | |
| 74 | | | | | | | | | | 1 | | | | | | | | | | |
| 75 | | | | | | | | | | 1 | | | | | | | | | | |
| 76 | | | | | | | | | | 1 | | | | | | | | | | |
| 77 | | | | | | | 1 | | | | | | | | | | | | | |
| 78 | | | | | | | 1 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | 1 | | | | | | | | | | |
| 80 | | | | | | | | | | 1 | | | | | | | | | | |
| 81 | | | | | | | | | | 1 | | | | | | | | | | |
| 82 | | | | | | | 1 | | | | | | | | | | | | | |
| 83 | | | | | 75 | | | | | | | | | | | | | | | |
| 84 | | | | | | | 1 | | | | | | | | | | | | | |
| 85 | | | | | | | 1 | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | 10 | | | | |
| 87 | | | | | | | 1 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | 1 | | | |
| 89 | | | | | | | | | | | | | | | | | 20 | | | |
| 90 | | | | | | | | | | | | | | | | | 25 | | | |
| 91 | | | | | | | | | | | | | | | | | 7 | | | |
| 92 | | | | | | | | | | | | | | | | | 6 | | | |
| 93 | | | | | | | | | | | | | | | | | 5 | | | |
| 94 | | | | | | | 1 | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | 1 | | |
| 96 | | | | | | | 1 | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | 10 | | | |
| 98 | | | | | | | | | | | | | | | | | 15 | | | |
| 99 | | | | | | | | | | | | | | | | | | 1 | | |
| 100 | | | | | | | 1 | | | | | | | | | | | | | |
| 101 | | | | | | | | | | | | | | | | | | | 1 | |
| 102 | | | | | | | | | | | | | | | | | | | 7 | |
| 103 | | | | | | | | | | | | | | | | | | | 2 | |
| 104 | | | | | 10 | | | | | | | | | | | | | | | |
| 105 | | | | | | | | | | | | | | | | | | | 1 | |
| 106 | | | | | | | 1 | | | | | | | | | | | | | |
| 107 | | | | | | | | 1 | | | | | | | | | | | | |
| 108 | | | | | | | 8 | | | | | | | | | | | | | |
| 109 | | | | | | | | | | | | | | | | 1 | | | | |
| 110 | | | | | | | | | | | | | | | | | 1 | | | |
| 111 | | | | | | | | | | | | | | | | | 45 | | | |
| 112 | | | | | | | | | | 1 | | | | | | | | | | |
| 113 | | | | | | | | | | | | | | | | | | | | 1 |
| 114 | | | | | | | | | | | 1 | | | | | | | | | |
| 115 | | | | | | | | | | 3 | | | | | | | | | | |
| 116 | | | | | | | | | | | 1 | | | | | | | | | |
| 117 | | | | | | | | | | | | | | | | | 5 | | | |
| 118 | | | | | | | | | | | 4 | | | | | 15 | | | | |
| 119 | | | | | | | | | | | 3 | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | 1 |
| 121 | | | | | | | | | | | 1 | | | | | | | | | |
| 122 | | | | | | | | | | | | | | | | | | | | 2 |

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| 123 | | | | | | | | | | 1 | | | | | | | | | |
| 124 | | | | | | | | | | 2 | | | | | | | | | |
| 125 | | | | 1 | | | | | | | | | | | | | | | |
| 126 | | | | | | | | | | 1 | | | | | | | | | |
| 127 | | | | | | | 25 | | | | | | | | | | | | |
| 128 | | | | | | | 15 | | | | | | | | | | | | |
| 129 | | | | | | | 17 | | | | | | | | | | | | |
| 130 | | | | | | | 13 | | | | | | | | | | | | |
| 131 | | | | | | | 1 | | | | | | | | | | | | |
| 132 | | | | | | | | | | 1 | | | | | | | | | |
| 133 | | | | | | | | | | | | | | | | | | 1 | |
| 134 | | | | | | | | | | 1 | | | | | | | | | |
| 135 | | | | | | | | | | | 2 | | | | | | | | |
| 136 | | | | 4 | | | | | | | | | | | | | | | |
| 137 | 1 | | | | | | | | | | 1 | | | | | | | | |
| 138 | | | | 1 | | | | | | | | | | | | | | | |
| 139 | | | | | 1 | | | | | | | | | | | | | | |
| 140 | 2 | | | | | | | | | | | | | | | | | | |
| 141 | | | | | | | | | | | 1 | | | | 2 | | | | |
| 142 | | | | | | | | | | | | | | | 1 | | | | |
| 143 | | | | | | | 55 | | | | | | | | | | | | |
| 144 | | | | | | | | | | | | | | | | | | | 11 |
| 145 | | | | | | | | | | | | | | | | | 1 | | |
| 146 | | | | | | | | | | | 4 | | | | | | | | |
| 147 | | | | | | | | | | | 1 | | | | | | | | |
| 148 | | | | | | | | | | | | | | 1 | | | | | |
| 149 | | | | | | | | | | 1 | | | | | | | | | |
| 150 | | | | | | | | | | 1 | | | | | | | | | |
| 151 | | | | | | | | | | | | | | | 1 | | | | |
| 152 | | | | | | 75 | | | | | | | | | | | | | |
| 153 | | | | | | 50 | | | | | | | | | | | | | |
| 154 | | | | | | 60 | | | | | | | | | | | | | |
| 155 | | | | | | | | | | | | | | 25 | | | | | |
| 156 | | | | | | 305 | | | | | | | | | | | | | |
| 157 | | | | | | 45 | | | | | | | | | | | | | |
| 158 | | | | | | | | 1 | | | | | | | | | | | |
| 159 | | | | | | 4 | | | | | | | | | | | | | |
| 160 | | | | | | 60 | | | | | | | | | | | | | |
| 161 | | | | | | | | | | | | | | | | | | 1 | |
| 162 | | | | | | | | | | | | | | | | | | 1 | |
| 163 | 1 | | | | | | | | | | | | | | | | | | |
| 164 | 1 | | | | | | | | | | | | | | | | | | |
| 165 | 1 | | | | | | | | | | | | | | | | | | |
| 166 | | | | | | 25 | | | | | | | | | | | | | |
| 167 | | | | | | | | | | | | | | | | | | 1 | |
| 168 | | | | | | 20 | | | | | | | | | | | | | |
| 169 | | | | | | 80 | | | | | | | | | | | | | |
| 170 | | | | | | 60 | | | | | | | | | | | | | |
| 171 | | | | | | 15 | | | | | | | | | | | | | |
| 172 | | | | | | 55 | | | | | | | | | | | | | |
| 173 | | | | | | | | | | | | | | | | | | 1 | |
| 174 | | | | | | | | 1 | | | | | | | | | | | |
| 175 | | | | | | | | 1 | | | | | | | | | | | |
| 176 | | | | | | 10 | | | | | | | | | | | | | |
| 177 | | | | | | | | | | 1 | | | | | | | | | |
| 178 | | | | | | | | | | | | | | | | | | | 13 |
| 179 | | | | | | | | | | | | | | | | | | | 1 |
| 180 | | | | | | | | | | | | | | | | | | 2 | |
| 181 | | | | | | | | | | | | | 2 | | | | | | |
| 182 | | | | | | | 6 | | | | | | | | | | | | |
| 183 | | | | | | | | | | | | | | | | | | | 1 |
| 184 | | | | | | | | | | | | | | | | | | | 1 |
| 185 | | | | | | | | | | 2 | | | 2 | | | | | | |
| 186 | | | | | | | | | | 4 | | | | | | | | | 2 |

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|-----|---|--|--|--|---|--|--|--|--|--|---|--|---|--|--|--|--|--|-----|----|
| 187 | | | | | | | | | | | | | | | | | | | | 1 |
| 188 | | | | | | | | | | | 1 | | | | | | | | | |
| 189 | 2 | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | | 1 |
| 191 | | | | | | | | | | | | | | | | | | | 1 | |
| 192 | | | | | | | | | | | | | | | | | | | 15 | |
| 193 | | | | | 5 | | | | | | | | 1 | | | | | | | |
| 194 | | | | | | | | | | | | | | | | | | | | 1 |
| 195 | | | | | | | | | | | | | 3 | | | | | | | |
| 196 | | | | | | | | | | | | | | | | | | | 1 | |
| 197 | | | | | | | | | | | | | | | | | | | 7 | |
| 198 | | | | | | | | | | | | | | | | | | | 5 | |
| 199 | | | | | | | | | | | | | | | | | | | 65 | |
| 200 | | | | | | | | | | | | | | | | | | | 3 | 1 |
| 201 | | | | | | | | | | | | | | | | | | | | 7 |
| 202 | | | | | | | | | | | | | | | | | | | | 1 |
| 203 | | | | | | | | | | | | | | | | | | | 4 | |
| 204 | | | | | | | | | | | | | | | | | | | 1 | |
| 205 | | | | | | | | | | | | | | | | | | | | 1 |
| 206 | | | | | | | | | | | | | | | | | | | 2 | |
| 207 | | | | | | | | | | | | | | | | | | | | 2 |
| 208 | | | | | | | | | | | | | | | | | | | 1 | |
| 209 | | | | | | | | | | | | | | | | | | | | 1 |
| 210 | | | | | | | | | | | | | | | | | | | | 1 |
| 211 | | | | | | | | | | | | | | | | | | | 1 | |
| 212 | | | | | | | | | | | | | | | | | | | 12 | |
| 213 | | | | | | | | | | | | | | | | | | | 1 | |
| 214 | | | | | | | | | | | | | | | | | | | 1 | |
| 215 | | | | | | | | | | | | | | | | | | | 1 | |
| 216 | | | | | | | | | | | | | | | | | | | 45 | |
| 217 | | | | | | | | | | | | | | | | | | | | 1 |
| 218 | | | | | | | | | | | | | | | | | | | 1 | |
| 219 | | | | | | | | | | | | | | | | | | | | 1 |
| 220 | | | | | | | | | | | | | | | | | | | 1 | |
| 221 | | | | | | | | | | | | | | | | | | | | 1 |
| 222 | | | | | | | | | | | | | | | | | | | 1 | |
| 223 | | | | | | | | | | | | | | | | | | | 1 | |
| 224 | | | | | | | | | | | | | | | | | | | | 1 |
| 225 | | | | | | | | | | | | | | | | | | | 1 | |
| 226 | | | | | | | | | | | | | | | | | | | 1 | |
| 227 | | | | | | | | | | | | | | | | | | | | 1 |
| 228 | | | | | | | | | | | | | | | | | | | | 1 |
| 229 | | | | | | | | | | | | | | | | | | | 1 | |
| 230 | | | | | | | | | | | | | | | | | | | 1 | |
| 231 | | | | | | | | | | | | | | | | | | | | 5 |
| 232 | | | | | | | | | | | | | | | | | | | 1 | |
| 233 | | | | | | | | | | | | | | | | | | | 11 | |
| 234 | | | | | | | | | | | | | | | | | | | | 1 |
| 235 | | | | | | | | | | | | | | | | | | | 1 | |
| 236 | | | | | | | | | | | | | | | | | | | 3 | |
| 237 | | | | | | | | | | | | | | | | | | | | 1 |
| 238 | | | | | | | | | | | | | | | | | | | 1 | |
| 239 | | | | | | | | | | | | | | | | | | | | 1 |
| 240 | | | | | | | | | | | | | | | | | | | 2 | |
| 241 | | | | | | | | | | | | | | | | | | | 7 | |
| 242 | | | | | | | | | | | | | | | | | | | 1 | |
| 243 | | | | | | | | | | | | | | | | | | | | 2 |
| 244 | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 245 | | | | | | | | | | | | | | | | | | | | 45 |
| 246 | | | | | | | | | | | | | | | | | | | | 1 |
| 247 | | | | | | | | | | | | | | | | | | | 100 | |
| 248 | | | | | | | | | | | | | | | | | | | 60 | |
| 249 | | | | | | | | | | | | | | | | | | | | 1 |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------|------------------|---------------|-----------------------|-------|
| Pilot: | Robert Peterson | Aircraft: | N123TM | Take Off Time: | 15:15 |
| Front Seat Observer | Elphas Bitok | Date: | 29/04/2008 | Start Count: | 15:44 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Bouba Ndjidda | Stop Count: | 17:03 |
| Rear Seat Observer (Right) | Tiawuon Slyvain | | | Landing Time: | 17:23 |

| Waypoint | CT | FM | OB | RA | SH | WB |
|----------|------|----|----|----|----|----|
| 1 | 50 | | | | | |
| 2 | 150 | | | | | |
| 3 | | 20 | | | | |
| 4 | 120 | | | | 50 | |
| 5 | 500 | | | | | |
| 6 | 200 | | | | | |
| 7 | 600 | | | | | |
| 8 | 100 | | | | 50 | |
| 9 | 80 | | | | | |
| 10 | 150 | | | | | |
| 11 | 60 | | | | | |
| 12 | 40 | | | | | |
| 13 | 20 | | | | 20 | |
| 14 | 10 | | | | 30 | |
| 15 | | | 2 | | | |
| 16 | | | | 5 | | |
| 17 | | | | 2 | | |
| 18 | | | | | | 2 |
| 19 | 50 | | | | | |
| 20 | | | | 1 | | |
| 21 | 10 | | | | | |
| 22 | 31 | | | | | |
| 23 | 1500 | | | | | |
| 24 | 10 | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|----------------------------|----------------------------|-----------|------------|----------------|-------|
| Pilot: | David Carman/Amanda Nelson | Aircraft: | N44344 | Take Off Time: | 06:29 |
| Front Seat Observer | Assan Gorse | Date: | 30/04/2008 | Start Count: | 06:58 |
| Rear Seat Observer (Left) | Lamberl Bene | Block: | Benoue | Stop Count: | 11:36 |
| Rear Seat Observer (Right) | Andre Kiang | | | Landing Time: | 11:46 |

| Way point | BB | BF | BN | C3 | CB | CF | CG | CL | CT | EL | FM | GF | HC | HP | IL | MN | NIL | OB | RA | RD | SH | ST | WB | WG | WH | WHB |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | 0 | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 7 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | 0 | | | | | | | | |
| 17 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | 50 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | 25 | | | | |
| 22 | | | | | | | | | | 60 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 24 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 25 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | 0 | | | | | | | | |
| 30 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | |
| 42 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 46 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 47 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 50 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 51 | | 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 54 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 56 | | | | | | | | | | | 5 | | | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 59 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 61 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 65 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | | 6 | | | | 1 | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------|------------------|------------|-----------------------|-------|
| Pilot: | Dennis Freeland | Aircraft: | N123TM | Take Off Time: | 06:16 |
| Front Seat Observer | Elphas Bitok | Date: | 30/04/2008 | Start Count: | 06:36 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Benoue | Stop Count: | 11:20 |
| Rear Seat Observer (Right) | Tiawuon Slyvain | | | Landing Time: | 11:28 |

| Way point | BB | BN | CB | CG | CT | CV | ED | FR | GF | HS | IL | OB | RA | RB | RD | RK | SH | WB | WH | WHB |
|-----------|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 25 | | | | | 400 | | | | | | | | | | | | | | | |
| 26 | | | | | 1000 | | | | | | | | | | | | | | | |
| 27 | | | | | 500 | | | | | | | | | | | | | | | |
| 28 | | | | | 400 | | | | | | | | | | | | | | | |
| 29 | | | | | 200 | | | | | | | | | | | | | | | |
| 30 | | | | | 150 | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | 2000 | | | | | | | 1 | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | 1 | | | | | | | | 3 |
| 35 | | | | | | | | | | | | | | | | 1 | | | | |
| 36 | | | | | | | | | | | | | | | | | | 40 | | |
| 37 | | | | | | | | | | | | 1 | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | 25 | | | |
| 39 | | | | | 150 | | | | | | | | | | | | | | | |
| 40 | | | | | 100 | | | | | | | | | | | | | | | |
| 41 | | | | | | 1 | | | | | | | | | | | | | | |
| 42 | | | | | 200 | | | | | | | | | | | | | | | |
| 43 | | | | | 25 | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | 1 | | | | | | | |
| 45 | | | 5 | | | | | | | | | | | | | | | | | |
| 46 | | | | | 350 | | | | | | | | | | | | 70 | | | |
| 47 | | | | | 150 | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | 4 | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | 10 | | | |
| 50 | | | | | 150 | | | | | | | | | | | | 50 | | | |
| 51 | | | | | 350 | | | | | | | | | | | | | | | |
| 52 | | | | | 60 | | | | | | | | | | | | | | | |
| 53 | | | | | 300 | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | 1 | | | | | | | |
| 55 | | | | | | | | | | | | | | | 1 | | | | | |
| 56 | | | | | 80 | | | | | | | | | | | | | | | |
| 57 | 1 | | | | | | | | | | | | | | | | | | | |
| 59 | | | | | 70 | | | | | | | | | | | | 20 | | | |
| 60 | | | | | 100 | | | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | | | 2 | | | | | |
| 62 | | | | | | | | | | | | | | | 1 | | | | | |
| 63 | | | | | | | | | | | | | | 8 | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | 8 |
| 65 | | | | | | | | | | | 1 | | | | | | | | | |
| 66 | | 20 | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | 7 | | | | | | | |
| 68 | | | | | | | | | | | | | | | 1 | | | | | |
| 69 | | | | | | | | | | | | 2 | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | 2 |
| 71 | | | | | | | | | | | | | | | | | 2 | | | |
| 72 | | | | | 250 | | | | | | | | | | | | | | | |
| 73 | | | | | 100 | | | | | | | | | | | | 15 | | | |
| 74 | | | | | | | | | | | | | | | | | 10 | | | |
| 75 | | | | | | | | | | | 1 | | | | | | | | | |
| 76 | | | | | 100 | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | 1 | | | |
| 78 | 1 | | | | | | | | | | | | | 1 | | | | | | |
| 79 | | | | 1 | | | | | | | 1 | | | | | | | | | |
| 80 | | | | 1 | | | | | | | | | | | | | | | | |
| 81 | | | | 1 | | | | | | | | | | | | | | | | |
| 82 | | | | | 400 | | | | | | | | | | | | | | | |
| 83 | | | | 1 | | | | | | | | | | | | | | | | |

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| 84 | | | | | | | | | | | | | | | | | | 1 |
| 85 | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | |
| 101 | | | | | | | | | | | | | | | | | | |
| 102 | | | | | | | | | | | | | | | | | | |
| 103 | | | | | | | | | | | | | | | | | | |
| 104 | | | | | | | | | | | | | | | | | | |
| 105 | | | | | | | | | | | | | | | | | | |
| 106 | | | | | | | | | | | | | | | | | | |
| 107 | | | | | | | | | | | | | | | | | | |
| 108 | | | | | | | | | | | | | | | | | | |
| 109 | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | |
| 111 | | | | | | | | | | | | | | | | | | |
| 112 | | | | | | | | | | | | | | | | | | |
| 113 | | | | | | | | | | | | | | | | | | |
| 114 | | | | | | | | | | | | | | | | | | |
| 115 | | | | | | | | | | | | | | | | | | |
| 116 | | | | | | | | | | | | | | | | | | |
| 117 | | | | | | | | | | | | | | | | | | |
| 118 | | | | | | | | | | | | | | | | | | |
| 119 | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | |
| 121 | | | | | | | | | | | | | | | | | | |
| 122 | | | | | | | | | | | | | | | | | | |
| 123 | | | | | | | | | | | | | | | | | | |
| 124 | | | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | | | |
| 126 | | | | | | | | | | | | | | | | | | |
| 127 | | | | | | | | | | | | | | | | | | |
| 128 | | | | | | | | | | | | | | | | | | |
| 129 | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | |
| 131 | | | | | | | | | | | | | | | | | | |
| 132 | | | | | | | | | | | | | | | | | | |
| 133 | | | | | | | | | | | | | | | | | | |
| 134 | | | | | | | | | | | | | | | | | | |
| 135 | | | | | | | | | | | | | | | | | | |
| 136 | | | | | | | | | | | | | | | | | | |
| 137 | | | | | | | | | | | | | | | | | | |
| 138 | | | | | | | | | | | | | | | | | | |
| 139 | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | |
| 141 | | | | | | | | | | | | | | | | | | |
| 142 | | | | | | | | | | | | | | | | | | |
| 143 | | | | | | | | | | | | | | | | | | |
| 144 | | | | | | | | | | | | | | | | | | |
| 145 | | | | | | | | | | | | | | | | | | |
| 146 | | | | | | | | | | | | | | | | | | |
| 147 | | | | | | | | | | | | | | | | | | |

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|-----|---|----|---|---|-----|--|--|---|---|---|---|----|--|---|---|----|--|---|
| 148 | | | | | | | | | | | 2 | | | 1 | | | | |
| 149 | | | 2 | | | | | | | | | | | | | | | |
| 150 | | | 2 | | | | | | | | | | | | | | | |
| 151 | | | 2 | | | | | | | | | | | | | | | |
| 152 | | | 8 | | | | | | | | | | | | | 6 | | |
| 153 | | | | | | | | | | | | | | | | | | 2 |
| 154 | | | | | | | | | 1 | | | | | | | | | |
| 155 | | 10 | | | | | | | | | | | | | | | | |
| 156 | | | | | | | | | | | | 11 | | 1 | | | | |
| 157 | | | | | | | | | | 2 | | | | | | | | |
| 158 | | | | 1 | | | | | | | | | | | | | | |
| 159 | 1 | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | 50 | | |
| 161 | | | | | 20 | | | | | | | | | | | | | |
| 162 | | | | | 100 | | | | | | | | | | | | | |
| 163 | | | | | 20 | | | | | | | | | | | | | |
| 164 | | | | | 50 | | | | | | | | | | | | | |
| 165 | | | | | | | | | | | | | | | 2 | | | |
| 166 | 1 | | | | | | | | | | | | | | | | | |
| 167 | | | 3 | | | | | | | | | | | | | | | |
| 168 | | | 1 | | | | | | | | | | | | | | | |
| 169 | | | | | | | | | | 1 | | | | | | | | |
| 170 | | | 3 | | | | | | | | | | | | 1 | | | |
| 171 | | | | | 400 | | | | | | | | | | | | | |
| 172 | | | | | 200 | | | 1 | | | | | | | | | | |
| 173 | | | | | 50 | | | | | | | | | | | | | |
| 174 | | | | 1 | | | | | | | | | | | 1 | | | |
| 175 | | | | | 45 | | | | | | | | | | | | | |
| 176 | | | | | 170 | | | | | | | | | | | | | |
| 177 | | | | | 20 | | | | | | | | | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------------|------------------|------------|-----------------------|-------|
| Pilot: | David Carman/Rob Peterson | Aircraft: | N44344 | Take Off Time: | 15:37 |
| Front Seat Observer | Assan Gomse | Date: | 30/04/2008 | Start Count: | 15:47 |
| Rear Seat Observer (Left) | Andre Kiang | Block: | Benoue | Stop Count: | 17:26 |
| Rear Seat Observer (Right) | Badjanga | | | Landing Time: | 17:36 |

| Way point | BB | BF | BN | C3 | CB | CF | CG | CP | CT | FM | IL | NIL | OB | RA | RD | SH | ST | TR | WB | WHB |
|-----------|----|----|----|----|----|----|----|----|-----|----|----|-----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | | | 75 | | | | | | | | | | | |
| 2 | | | | | | | | | 25 | | | | | | | | | | | |
| 3 | 1 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | 1 | | | | | | |
| 5 | | | | | 1 | | | | | | | | | | | | | | | |
| 6 | | 11 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | 1 |
| 8 | | | | | | | | | | | | | | 3 | | | | | | |
| 9 | | | 6 | | | | | | | | | | | 3 | | | | | | |
| 10 | | | | | | | | | | | | | | 2 | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | 6 | |
| 12 | | | | | | | | | | | | | | 2 | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | 15 |
| 14 | | | | | 1 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | 10 |
| 16 | | | | | | | | | | | | | | | 6 | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | 5 |
| 18 | | | | | | | | 1 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | 1 | | | | | |
| 20 | | | | | | | | | | | | | | | 7 | | | | | |
| 21 | | | | | | | 1 | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | 1 | | | | | | | | | |
| 23 | | | | | | | | | | 1 | | | | | | | | | | |
| 24 | | | | | | | | | | 1 | | | | | | | | | | |
| 25 | | | | | | | | | | 1 | | | | | | | | | | |
| 26 | | | | | | | | | | 1 | | | | | | | | | | |
| 27 | | | | | | | | | | 1 | | | | | | | | | | |
| 28 | | | | | | | | | | 1 | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | 1 | |
| 30 | | | | | | | | | | | | | 0 | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | 1 | | |
| 32 | | | | | | | | | | 4 | | | | | | | | | | |
| 33 | | | | | | | | | | 15 | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | 15 | | | | |
| 35 | | | | | | | | | | 1 | | | | | | | | | | |
| 36 | | | | | | | | | | 1 | | | | | | | | | | |
| 37 | | | | | | | | | | 1 | | | | | | | | | | |
| 38 | | | | | | | | | | 1 | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | 1 | | | | |
| 40 | | | | | | | | | | | | | | 2 | | | | | | |
| 41 | | | 17 | | | | | | | | | | | | | | | | | |
| 42 | | | | | | | | 1 | | | | | | | | | | | | |
| 43 | | | | | | | | 1 | | | | | | | | | | | | |
| 44 | 1 | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | 1 | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | | 1 | | | | | | |
| 47 | | | | | | | | | | | 1 | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | | 1 | |
| 49 | | | | | | | | | | 1 | | | | | | | | | | |
| 50 | | | | | | | | | | 1 | | | | | | | | | | |
| 51 | | | | | | | | | | 1 | | | | | | | | | | |
| 52 | | | | | | | | | | 1 | | | | | | | | | | |
| 53 | | | | | | | | | | 1 | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | | | | | | 1 | |
| 55 | | | | | | | | | 100 | | | | | | | | | | | |
| 56 | | | | | | | | | | 1 | | | | | | | | | | |
| 57 | | | | | | | | | | | | | | | | | | | 1 | |
| 58 | | | | | | | | | | | | | | | | 13 | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| Pilot: | | Dennis Freeland | | | | Aircraft: | | N123TM | | Take Off Time: | | 15:40 | | |
|----------------------------|----|---------------------|----|----|-----|-----------|----|------------|----|----------------|----|-------|----|-----|
| Front Seat Observer | | Elphas Bitok | | | | Date: | | 30/04/2008 | | Start Count: | | 15:46 | | |
| Rear Seat Observer (Left) | | Etienne Hatungimana | | | | Block: | | Benoue | | Stop Count: | | 17:20 | | |
| Rear Seat Observer (Right) | | Tiawuon Slyvain | | | | | | | | Landing Time: | | 17:32 | | |
| Waypoint | BB | BN | CB | CG | CT | HP | OB | RA | RD | RK | RM | SH | WH | WHB |
| 1 | | | | | 300 | | | | | | | | | |
| 2 | | | | | 25 | | | | | | | | | |
| 3 | | | | | | | 2 | | | | | | | |
| 4 | | | | | | | 2 | 11 | | | | | | |
| 5 | | | | | | | 2 | | | | | | | |
| 6 | | | | | | | 2 | | | | | | | |
| 7 | | | | | | | 2 | | | | | | | |
| 8 | | | | | | | | | | 1 | | | | |
| 9 | | | | 1 | | | | 15 | | | | | | |
| 10 | | | | | | | 3 | | | | | | | |
| 11 | | | | 1 | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | 3 |
| 13 | | | | | 60 | | | | | | | 80 | | |
| 14 | | | | | 10 | | | | | | | | | |
| 15 | | | | | | | | | | 1 | | | | |
| 16 | | | | | 5 | | | | | | | | | |
| 17 | | | | | 1 | | | | | | | | 1 | |
| 18 | | | | | 15 | | | | | | | | | |
| 19 | | | | | | | 1 | | | | | | | |
| 20 | | | | | | | 2 | | | | | | | |
| 21 | | | 1 | | | | | | | 1 | | | | |
| 22 | 2 | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | 4 |
| 24 | | | | | | | | | 1 | | | | | |
| 25 | | | | | | | 2 | | | | 1 | | | |
| 27 | | | | | | | | 5 | | | | | | |
| 28 | | | 2 | | | | | | | | | | | |
| 29 | | | 10 | | | | | | | | | | | |
| 30 | | | | | 200 | | | | | | | | | |
| 31 | | | | 1 | | | | | | | | | | |
| 32 | | 1 | | | 40 | | | | | | | | | |
| 33 | | | | | 35 | | | | | | | | | |
| 34 | | | | | | | 1 | | | | | | | |
| 35 | | | | | | 7 | 1 | | | | | | | |
| 36 | | | 2 | | | | | | | | | | | |
| 37 | | | | | | | 3 | | | | | | | |
| 38 | | | | | | | 2 | | | | | | | 25 |
| 39 | | | | | | | 2 | | | | | | | 15 |
| 40 | | | | | | | 1 | | | | | | | |
| 41 | | 12 | | | | | | | | | | | | |
| 42 | | | | | 30 | | | | | | | | | |
| 43 | | 5 | | | | | | 4 | | | | | | |
| 44 | | | | | | | | | | | | | | 2 |
| 45 | | | | | | | | | | | | | 2 | |
| 46 | | | | | | | 2 | | | | | | | |
| 47 | | | | | 500 | | | | | | | | | |
| 48 | | | | | | | | | 1 | | | | | |
| 49 | | | | | | | | | | | | | | 9 |
| 50 | | | | | | | | 25 | | | | | | |
| 51 | | | 2 | | | | | | | | | | | |
| 52 | | | 5 | | | | 2 | | | | | | | |
| 53 | | | | | | | | 1 | 1 | | | | | |
| 54 | | | | | | | | 5 | | | | | | |
| 55 | | | | 1 | | | | | | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | | | |
|-----------------------------------|------------------------------|------------------|------------|-----------------------|-------|-----------------------|-------|
| Pilot: | Rob Peterson/Dennis Freeland | Aircraft: | N123TM | Take Off Time: | 06:09 | Take Off Time: | 15:26 |
| Front Seat Observer | Assan Gomse | Date: | 01/05/2008 | Start Count: | 06:57 | Start Count: | 15:56 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Faro | Stop Count: | 10:20 | Stop Count: | 16:54 |
| Rear Seat Observer (Right) | Lambert Bene | | | Landing Time: | 10:57 | Landing Time: | 17:35 |

| Waypoint | BB | BF | BN | CB | CF | CG | CL | COR | CT | ED | FM | HP | IL | LN | MK | OB | OR | RA | SCH | SH | ST | TR | WH | WHB |
|----------|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|----|-----|----|----|-----|
| 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 4 | | | | | | | | | 100 | | | | | | | | | | | | 50 | | | |
| 5 | | | | | | | | | 100 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7 | | | | | | | | | 15 | | | | | | | | | | | | | 1 | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 10 | | | | | | | | | 120 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | |
| 12 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 14 | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 17 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 18 | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 22 | | | | | | | | | | | | | | | | | | | | | 20 | | | |
| 23 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 24 | | | 7 | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | 7 | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 27 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 28 | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | 10 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | 60 | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 33 | | | | 5 | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 35 | | | | 10 | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 38 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 40 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 41 | | | | 5 | | | | | | | | | | | | | | | | | | | | |
| 42 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | 250 | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 46 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 50 | | | | | | | | | | | | | | | | | | | | | 100 | | | |
| 51 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 52 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 53 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 54 | | | | | | | | | | 100 | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | 1 | | | | | | | | | | | | | |

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|-----|---|--|---|----|--|--|-----|--|--|--|--|--|---|--|--|--|--|---|--|----|
| 60 | | | | | | | | | | | | | | | | | | 1 | | |
| 61 | | | | | | | | | | | | | | | | | | 1 | | |
| 62 | | | | | | | 30 | | | | | | | | | | | | | |
| 63 | | | | 3 | | | | | | | | | | | | | | | | |
| 64 | | | | 1 | | | | | | | | | | | | | | | | |
| 65 | 1 | | | | | | | | | | | | | | | | | | | |
| 66 | | | 1 | | | | | | | | | | | | | | | | | |
| 67 | | | | 4 | | | | | | | | | | | | | | | | |
| 68 | | | | 5 | | | | | | | | | | | | | | | | |
| 69 | | | | 2 | | | | | | | | | | | | | | | | |
| 70 | | | | 1 | | | | | | | | | | | | | | | | |
| 71 | | | | 1 | | | | | | | | | 9 | | | | | | | |
| 72 | 1 | | | | | | | | | | | | | | | | | | | |
| 73 | | | | 1 | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | 1 | | | | | | | |
| 75 | | | | 11 | | | | | | | | | | | | | | | | |
| 76 | | | | 5 | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | 5 |
| 78 | | | | | | | | | | | | | 1 | | | | | | | |
| 79 | | | | | | | | | | | | | 1 | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | 1 |
| 81 | | | | | | | 160 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | 1 |
| 83 | | | | | | | | | | | | | | | | | | | | 1 |
| 84 | | | | 5 | | | | | | | | | | | | | | | | |
| 85 | | | | 5 | | | | | | | | | | | | | | | | |
| 86 | | | | 1 | | | | | | | | | | | | | | | | |
| 87 | | | | 5 | | | | | | | | | | | | | | | | |
| 88 | | | | 3 | | | | | | | | | | | | | | | | |
| 89 | | | | 5 | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | 2 |
| 91 | | | | | | | | | | | | | | | | | | | | 1 |
| 92 | | | | 5 | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | 2 |
| 94 | | | | 8 | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | 1 |
| 96 | | | | | | | | | | | | | | | | | | | | 1 |
| 97 | | | | | | | | | | | | | | | | | | | | 1 |
| 98 | | | | | | | 60 | | | | | | | | | | | | | |
| 99 | | | | | | | 50 | | | | | | | | | | | | | |
| 100 | | | | | | | 100 | | | | | | | | | | | | | |
| 101 | | | | | | | | | | | | | | | | | | | | 2 |
| 103 | | | | | | | | | | | | | | | | | | | | 12 |
| 104 | | | | 1 | | | | | | | | | | | | | | | | |
| 105 | | | | | | | | | | | | | | | | | | | | 1 |
| 106 | | | | | | | | | | | | | | | | | | | | 2 |
| 107 | 1 | | | | | | | | | | | | | | | | | | | |
| 108 | | | | | | | | | | | | | | | | | | | | 1 |
| 109 | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | 2 |
| 111 | | | | | | | | | | | | | | | | | | | | 1 |
| 112 | | | | | | | | | | | | | | | | | | | | 1 |
| 113 | | | | | | | | | | | | | | | | | | | | 5 |
| 114 | | | | | | | | | | | | | | | | | | | | 2 |
| 115 | | | | | | | | | | | | | | | | | | | | 1 |
| 116 | | | | | | | | | | | | | | | | | | | | 1 |
| 117 | | | | | | | | | | | | | | | | | | | | 1 |
| 118 | | | | | | | | | | | | | | | | | | | | 3 |
| 119 | | | | | | | | | | | | | | | | | | | | 8 |
| 120 | | | | | | | | | | | | | | | | | | | | 1 |
| 121 | | | | | | | | | | | | | | | | | | | | 7 |
| 122 | | | | | | | | | | | | | | | | | | | | 7 |
| 123 | | | | | | | | | | | | | | | | | | | | 1 |
| 124 | | | | | | | | | | | | | | | | | | | | 1 |
| 125 | | | | | | | | | | | | | | | | | | | | 1 |
| 126 | | | | | | | | | | | | | | | | | | | | 1 |

BENOUE, FARO, BOUBA NJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|----------------------------|-----------------|-----------|------------|----------------|-------|
| Pilot: | Amanda Nelson | Aircraft: | N44344 | Take Off Time: | 06:15 |
| Front Seat Observer | Elphas Bitok | Date: | 01/05/2008 | Start Count: | 07:05 |
| Rear Seat Observer (Left) | Tiawuon Slyvain | Block: | Faro | Stop Count: | 09:52 |
| Rear Seat Observer (Right) | Andre Kiang | | | Landing Time: | 10:40 |

| Waypoint | BB | BF | BN | CB | CG | CL | HB | IL | OB | OR | RA | RD | ST | TP | WH | WHB |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | | | | | | | 1 | | | |
| 2 | | | | | | | | | 1 | | | | | | | |
| 3 | | | 8 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | 1 | | | |
| 5 | | | 4 | | | | | | | | | | | | | |
| 6 | | | 3 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | 1 | |
| 8 | | | | 4 | | | | | | | | | | | | |
| 9 | | | 5 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | 1 | | | |
| 11 | | | | | | | | | | | | | 1 | | | |
| 12 | | | | 2 | | | | | | | | | | | | |
| 13 | | | | | | | | | 3 | | | | | | | |
| 14 | | | | | | | | | 2 | | | | | | | |
| 15 | | | | 2 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | 1 | | | |
| 17 | | | 3 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | 1 | | | |
| 19 | | | | | | | | | | | | 1 | | | | |
| 20 | | | | | | 6 | | | | | | | | | | |
| 21 | | | 1 | | | | | | | | | | | | | |
| 22 | | | | | 1 | | | | | | | | | | | |
| 23 | | | | | | | | | 2 | | | | | | | |
| 24 | | | | | | | | | | | | | | | | 10 |
| 25 | 1 | | | | | | | | | | | | | | | |
| 26 | | | 6 | | | | | | | | | | | | | |
| 27 | | | 4 | | | | | | | | | | | | | |
| 28 | | | | | | | | | 2 | | | | | | | |
| 29 | | | | | | | | | 2 | | | | | | | |
| 30 | | | | | | | | | 1 | | | | | | | |
| 31 | | | 15 | | | | | | | | | | | | | |
| 32 | | | | 2 | | | | | | | | | | | | |
| 33 | | | | | | | | | | | 1 | | | | | |
| 34 | | | | | | | | | | | 11 | | | | | |
| 35 | | | | | | | | | | | 10 | | | | | |
| 36 | | | 1 | | | | | | | | | | | | | |
| 37 | | | | 4 | | | | | | | | | | | | |
| 38 | | | 1 | | | | | | | | | | | | | |
| 39 | 1 | | | | | | | | | | | | | | | |
| 40 | | | | | | | 3 | | | | | | | | 3 | |
| 41 | | | | | | | | | | | | | | | | 8 |
| 42 | | | | | 1 | | | | | | | | | | | |
| 43 | | | | | | | | | | | 1 | | | | | |
| 44 | | | | | | | | | 2 | | | | | | | |
| 45 | | | 6 | | | | | | | | | | | | | |
| 46 | | | | 1 | | | | | | | | | | | | |
| 47 | | | 10 | | | | | | | | | | | | | |
| 48 | | | | | 1 | | | | | | | | | | | |
| 49 | | | | | | | | | | | 1 | | | | | |
| 50 | | | | | | | | | | | | | | | | 2 |
| 51 | | | 20 | | | | | | | | | | | | | |
| 52 | | | | | 1 | | | | | | | | | | | |
| 53 | | | 1 | | | | | | | | | | | | | |
| 54 | | | 3 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | 1 | | | | | |
| 56 | | | | | | | | | 1 | | | | | | | |
| 57 | | | 5 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | 2 | | | | | |
| 59 | | | | | | | | | | | | | | | | 9 |
| 60 | | 15 | | | | | | | | | | | | | | |
| 61 | | | | | | | | | | 1 | | | | | | |
| 62 | | | 1 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | 16 | | | | | |
| 64 | | | | | | | | | | 1 | | | | | | |
| 65 | | | | | | | | | | | 15 | | | | | |
| 66 | | | | | | | | | | | | | | | 2 | |
| 67 | | | | | 1 | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | 2 | | |
| 69 | | | | | | | | | | | | | | | 1 | |
| 70 | | | 1 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | 2 | | | | |
| 72 | | | 1 | | | | | | | | | | | | | |
| 73 | | | 1 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | 5 | | | | | |
| 75 | | | | | | | | | | | 25 | | | | | |
| 76 | | | | | | | | | | | | | | | | 13 |
| 77 | | | | | 1 | | | | | | | | | | | |
| 78 | | | | | | | | | 1 | | | | | | | |
| 79 | | | | | | | | | | | | 2 | | | | |
| 80 | | | | 1 | | | | | | | | | | | | |
| 81 | 1 | | | | | | | | | 1 | | | | | | |
| 82 | | | 18 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | 1 | | | | | |
| 84 | | 10 | | | | | | | | | | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------|------------------|------------|-----------------------|-------|
| Pilot: | Rob Peterson | Aircraft: | N123TM | Take Off Time: | 06:03 |
| Front Seat Observer | Assan Gomse | Date: | 02/05/2008 | Start Count: | 06:43 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Faro | Stop Count: | 09:53 |
| Rear Seat Observer (Right) | Badjanga | | | Landing Time: | 10:33 |

| Waypoint | BB | BF | BN | CB | CF | CG | CL | COR | CT | ED | HP | IL | OB | OR | RA | RD | ST | WB | WH | WHB |
|----------|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | | | | | | | | 1 | | | | | | |
| 2 | | | | | | | | | | | | | | 3 | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | 6 |
| 4 | | | | | | | | | | | | | | | | | | | | 2 |
| 5 | | | | | | | | | | | | | | | 1 | | | | | |
| 6 | 1 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | 1 |
| 8 | | | | | | | | | | | | | | | | 1 | | | | |
| 9 | | | 11 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | 2 | | | | | | | |
| 11 | | | | | | | | 1 | | | | | | | | | | | | |
| 12 | | | | | | | | 1 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | 1 | | | |
| 14 | | | | | | | 3 | | | | | | | | | | | | | |
| 15 | | | | 2 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | 3 |
| 17 | | | | | | | | | | | | | | | 2 | | | | | 7 |
| 18 | | | | | | | | | | | | | | | 2 | | | | | |
| 19 | | | | | | | | | | | | | 1 | | | | | | | |
| 20 | | | | | | | | | | | | | | | 1 | | | | | |
| 21 | | | | | | | | | | | | | | | 6 | | | | | |
| 22 | | | | | | 1 | | | | | | | | | | | | | | |
| 23 | | | 1 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | 10 | | | | | |
| 25 | | | | 3 | | | | | | | | | | | | | | | | |
| 26 | | | | 5 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | 1 | | |
| 28 | | | | | | | | | | | | | | | | | 1 | | | |
| 29 | | | | | | | | | | | | | | | | | 1 | | | |
| 30 | | | | 2 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | 1 | | | | | | |
| 32 | | | 3 | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | 4 | | | | | | |
| 34 | | | | 2 | | | | | | | | | | | | | | | | |
| 35 | | | | 4 | | | | | | | | | | | | | | | | |
| 36 | | 3 | | | | | | | | | | | | | | | | | | |
| 37 | | | | 2 | | | | | | | | | | | | | | | | |
| 38 | | | | 2 | | | | | | | | | | | | | | | | |
| 39 | | | | 2 | | | | | | | | | | | | | | | | |
| 40 | | | | 3 | | | | | | | | | | | | | | | | |
| 41 | | | | 5 | | | | | | | | | | | | | | | 1 | |
| 42 | | | | | | | | | | | | | | | | | | | | 2 |
| 43 | | | | | | | | | | | | | | | 2 | | | | | |
| 44 | | | | | | | | | | | | | | | | | | | | 3 |
| 45 | | | | | 1 | | | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | | | 1 | | | | | |
| 47 | | | 3 | | | | | | | | | | | | | | | | | |
| 48 | | | | 3 | | | | | | | | | | | | | | | | |
| 49 | | | | 2 | | | | | | | | | | | | | | | | |
| 50 | | | | 2 | | | | | | | | | | | | | | | | |
| 51 | | | | 3 | | | | | | | | | | | | | | | | |
| 52 | | | 15 | | | | | | | | | | | | | | | | | 1 |
| 53 | | | | | | | | | | | | | | | | | | | 2 | |
| 54 | | | 1 | | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | | | 2 |
| 56 | | | | | | | | | | | | | | | | 1 | | | | |
| 57 | | | | | | | | | | | | | 2 | | | | | | | |
| 58 | | | | 2 | | | | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | | | | | 1 | | | |

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|-----|---|--|---|--|--|----|---|--|--|--|---|---|--|--|--|---|-----|
| 60 | | | | | | | | | | | | | | | | 1 | |
| 61 | | | | | | | 1 | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | 1 |
| 63 | | | | | | | | | | | | | | | | | 1 |
| 64 | | | 1 | | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | 6 |
| 66 | | | | | | 1 | | | | | | | | | | | |
| 67 | | | | | | | | | | | 1 | | | | | | |
| 68 | 1 | | | | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | 1 | | | | | | |
| 70 | | | | | | | | | | | | 7 | | | | | |
| 71 | | | | | | | | | | | | 5 | | | | | |
| 72 | | | | | | | | | | | | 1 | | | | | |
| 73 | | | | | | | | | | | | 1 | | | | | |
| 74 | | | | | | 4 | | | | | | | | | | | |
| 75 | | | 1 | | | | | | | | | | | | | | |
| 76 | | | | | | 3 | | | | | | | | | | | |
| 77 | | | | | | 3 | | | | | | | | | | | |
| 78 | | | | | | 9 | | | | | | | | | | | |
| 79 | | | | | | | | | | | 1 | | | | | | |
| 80 | | | | | | | | | | | | 6 | | | | | |
| 81 | | | | | | 16 | | | | | | | | | | | |
| 82 | | | | | | 5 | | | | | | | | | | | |
| 83 | | | | | | 4 | | | | | | | | | | | |
| 84 | | | | | | 11 | | | | | | | | | | | |
| 85 | | | | | | 8 | | | | | | | | | | | |
| 86 | | | | | | 13 | | | | | | | | | | | |
| 87 | | | | | | | | | | | 1 | | | | | | |
| 88 | | | | | | | | | | | | | | | | | 1 |
| 89 | | | | | | 14 | | | | | | | | | | | |
| 90 | | | | | | 3 | | | | | | | | | | | |
| 91 | | | | | | | | | | | | 3 | | | | | |
| 92 | | | | | | 2 | | | | | | | | | | | |
| 93 | | | | | | 4 | | | | | | 1 | | | | | |
| 94 | | | | | | 3 | | | | | | | | | | | |
| 95 | | | | | | 2 | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | 5 |
| 97 | | | | | | 1 | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | 1 |
| 99 | | | | | | 1 | | | | | | | | | | | |
| 100 | | | | | | 1 | | | | | | | | | | | |
| 101 | | | | | | 1 | | | | | | | | | | | |
| 102 | | | | | | | | | | | | | | | | | 1 |
| 103 | | | | | | 2 | | | | | | | | | | | |
| 104 | | | | | | 2 | | | | | | | | | | | |
| 105 | | | | | | 1 | | | | | | | | | | | |
| 106 | | | | | | 2 | | | | | | | | | | | |
| 107 | | | | | | 3 | | | | | | | | | | | |
| 108 | | | | | | 2 | | | | | | | | | | | |
| 109 | | | | | | 3 | | | | | | | | | | | |
| 110 | | | | | | 1 | | | | | | | | | | | |
| 111 | | | | | | 3 | | | | | | | | | | | |
| 112 | | | | | | 2 | | | | | | | | | | | |
| 113 | | | | | | | | | | | | | | | | | 7 |
| 114 | | | | | | | | | | | | | | | | | 1 |
| 115 | | | | | | | | | | | | | | | | | 2 |
| 116 | | | | | | | | | | | | 1 | | | | | |
| 117 | | | | | | | | | | | | | | | | | 1 |
| 118 | | | | | | | | | | | | | | | | | 1 |
| 119 | | | | | | | | | | | | | | | | | 1 |
| 120 | | | | | | | | | | | | | | | | | |
| 121 | | | | | | | | | | | | | | | | | 1 |
| 122 | | | | | | 2 | | | | | | | | | | | |
| 123 | | | | | | | | | | | | | | | | | 150 |
| 124 | | | | | | | | | | | | | | | | | 300 |
| 125 | | | | | | | | | | | | | | | | | 200 |
| 126 | | | | | | | | | | | | | | | | | |
| 127 | 1 | | | | | | | | | | | | | | | | |
| 128 | | | | | | 4 | | | | | | | | | | | |
| 129 | | | | | | | | | | | | | | | | | 12 |
| 130 | | | | | | | | | | | | | | | | | 1 |
| 131 | | | | | | | | | | | | | | | | | 1 |
| 132 | | | | | | | | | | | | | | | | | 1 |
| 133 | | | | | | | | | | | | | | | | | 1 |
| 134 | | | | | | | | | | | | | | | | | 2 |
| 135 | | | | | | | | | | | | | | | | | 1 |
| 136 | | | | | | | | | | | | | | | | | 2 |
| 137 | | | | | | 2 | | | | | | | | | | | |
| 138 | | | | | | | | | | | | | | | | | 6 |
| 139 | | | | | | 1 | | | | | | | | | | | |
| 140 | | | | | | 1 | | | | | | | | | | | |
| 141 | | | | | | 7 | | | | | | | | | | | |
| 142 | | | | | | 1 | | | | | | | | | | | |
| 143 | | | | | | | | | | | | | | | | | 1 |
| 144 | | | | | | | | | | | | | | | | | 1 |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|-----------------|------------------|------------|-----------------------|-------|
| Pilot: | Amanda Nelson | Aircraft: | N44344 | Take Off Time: | 06:05 |
| Front Seat Observer | Elphas Bitok | Date: | 02/05/2008 | Start Count: | 06:45 |
| Rear Seat Observer (Left) | Tiawuon Slyvain | Block: | Z15-Z16 | Stop Count: | 10:29 |
| Rear Seat Observer (Right) | Andre Kiang | | | Landing Time: | 10:56 |

| Waypoint | BB | BF | BN | CB | CG | CL | CP | CR | CT | ED | EF | EL | GF | HP | IL | OB | RA | RD | SH | ST | WH | WHB |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | | | | | | | | | | | | | | | | | | | | | | 5 |
| 2 | | | 25 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | 10 |
| 4 | | | | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | 6 | | | | | | | | | | |
| 6 | | | | | | | | | | | | 3 | | | | | | | | | | |
| 7 | | | | | | | | | | | | 1 | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | 1 | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | 7 |
| 10 | | 30 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | 15 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 14 | | | | | | | | | | | | | | | | | | | | | | 5 |
| 15 | | | | | | | | | | | | | | | | | | 2 | | | | |
| 16 | | | | | | | | | | | | | | | | 2 | | | | | | |
| 17 | | | 5 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | 11 | | | | | | | | | | |
| 19 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 20 | | 2 | | | | | | | | | | | | | | | | | | | | |
| 21 | | 22 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | 2 | | | | | | | | | | | | | | | | 1 | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 24 | | | | 8 | | | | | | | | | | | | | | | | | | |
| 25 | | 28 | | | | | | | | | | | | | | | | | | | | |
| 26 | | 17 | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | 25 |
| 28 | | | | | | | | | | | | | | | | | 2 | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | 15 |
| 30 | | | | 3 | | | | | | 18 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 32 | | | | | | | | | | | | | | | | | 4 | | | | | |
| 33 | | | | | | | | | | | | | | | | | 25 | | | | | |
| 34 | | | 6 | | | | | | | | | | | | | | | | 1 | | | |
| 35 | | | | | 1 | | | | | | | | | | | | | | 1 | | | |
| 36 | | | | | 1 | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 38 | | | | | | | | | | | | | | | | | | | 5 | | | |
| 39 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 40 | | | | | | | 3 | | | | | | | | | | | | | | | |
| 41 | | | | | | | | 1 | | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | | | | | | | 9 |
| 43 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 44 | | | 6 | | | | | | | | | | | | | | | | | | | |
| 45 | | 1 | | | | | | | | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | 15 | | | | | | | | | | |
| 47 | | | | | | | | | | | | 33 | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 49 | | | | 1 | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | 1 | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | 1 | | | | | 8 |
| 52 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 53 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 54 | | 25 | | | | | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | 8 | | | | |
| 56 | | | | 5 | | | | | | | | | | | | | | | | | | |
| 57 | | | | 4 | | | | | | | | | | | | | | | | | | |
| 58 | | | | 7 | | | | | | | | | | | | | | | | | | |
| 59 | | | | 2 | | | | | | | | | | | | | | | | | | |
| 60 | | | | | 1 | | | | | | | | | | | | | | | | | |

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| 61 | | | | | | | | | | | | 2 | | | | | | |
| 62 | | | | | | | | | | | | | | 3 | | | | |
| 63 | | | 3 | | | | | | | | | | | | 1 | | | |
| 64 | | | | | | | 3 | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | 4 | | | | |
| 66 | | | | | | | | | | | | | | 2 | | | | |
| 67 | | | 6 | | | | | | | | | | | | | | | |
| 68 | | | | 1 | | | | | | | | | | | | | | |
| 69 | | | 6 | | | | | | | | | | | | | | | 1 |
| 70 | | | | | | | | | | | | | | | | | 2 | |
| 71 | | | | | | | | | | | | | | | | 1 | | |
| 72 | | | | | | | | | 50 | | | | | | | | | |
| 73 | | | 2 | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | 5 |
| 75 | | | | | | | | | | | | | | | | | | 15 |
| 76 | | | | 1 | | | | | | | | | | 2 | | | | |
| 77 | | | 1 | | | | | | | | | | | | | | | |
| 78 | | | | | | | | 3 | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | 3 | | | | |
| 80 | | | | | | | | | | | | | | | | | | 7 |
| 81 | 1 | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | 1 | | | | |
| 83 | | | | | | | | | | | | | | | 8 | | | |
| 84 | | | | | | | | | | | | | | | 1 | | | |
| 85 | | | 5 | | | | | | | | | | | | | | | |
| 86 | | | 3 | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | 15 | | | | | | | |
| 88 | | | 3 | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | 8 | | | | | | | |
| 90 | | | 5 | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | 1 | | | | | |
| 92 | | | | | | | | | | | | | | | | 1 | | |
| 93 | | | 1 | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | 1 | | |
| 95 | | | 1 | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | 13 |
| 97 | | | | | | | | | | | 18 | | | | | | | |
| 98 | | | 10 | | | | | | | | | | | | | | | |
| 99 | | 19 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | 1 | | | | |
| 101 | | | | | | | | | | | | | | | 25 | | | |
| 102 | | 11 | | | | | | | | | | | | | | | | |
| 103 | | | | | | | | | | 1 | | | | | | | | |
| 104 | | 30 | | | | | | | | | | | | | | | | |
| 105 | | | | | | | | | | | | | | | | 12 | | |
| 106 | | 15 | | | | | | | | | | | | | | | | |
| 107 | | 20 | | | | | | | | | | | | | | | | |
| 108 | | | 5 | | | | | | | | | | | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|---------------------|------------------|------------|-----------------------|-------|
| Pilot: | Dennis Freeland | Aircraft: | N123TM | Take Off Time: | 15:06 |
| Front Seat Observer | Assan Gomse | Date: | 02/05/2008 | Start Count: | 15:11 |
| Rear Seat Observer (Left) | Etienne Hatungimana | Block: | Rey-Bouba | Stop Count: | 17:28 |
| Rear Seat Observer (Right) | Saleh Adam | | | Landing Time: | 17:35 |

| Waypoint | BB | BN | CB | CF | CG | COR | CT | CV | ED | FM | HC | IL | OB | RA | RB | RD | SH | ST | WB | WH | WHB | |
|----------|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|
| 1 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 2 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 3 | | | | | | | 200 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 5 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 6 | | | | | | | 150 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 8 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 9 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 10 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 11 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 13 | | | | | | | 35 | | | | | | | | | | | | | | | |
| 14 | | | | | | | 30 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 16 | | | | | | | | 17 | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 19 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 20 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 21 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | 7 | | | | | | | | | | | 3 | | | | | | | | |
| 24 | 1 | | | | | | | 1 | | | | | | | | | | | | | | |
| 25 | | | 1 | | | | | | | | | | | | | | | | | | | |
| 26 | | | 3 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | 3 | | | | | | | | | | | | | |
| 28 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | 1 | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | 5 |
| 31 | | | | | | | | | | | 1 | | | | | | | | | | | |
| 32 | | | 4 | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | 18 |
| 34 | | | | | | | | | | | | | | | | | | | | | | 4 |
| 35 | | | 3 | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | 25 |
| 37 | | | 3 | | | | | | | | | | | | | | | | | | | |
| 38 | | | 6 | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | 1 | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 41 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 42 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | 2 | | | | | | | | | | | | |
| 44 | | | | | | | | | | 2 | | | | | | | | | | | | |
| 45 | | | | | | | 35 | | | 1 | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | | | | | | | | | | 22 |
| 47 | | 7 | | | | | | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | 16 | | | | | | | 4 | |
| 49 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 50 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 51 | | | | | | | | | | | | | | 1 | | | | | | | | |
| 52 | | | | | | 1 | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | 2 | | | | | |
| 54 | | | | | | | | | | | | | | | | | | | 1 | | | |
| 55 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | | | 1 | | |
| 57 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 59 | | | | | | | | | | 1 | | | | | | | | | | | | |

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| 60 | | | | | | | | | | | | | | | | | | 7 |
| 61 | | | | | | | | | | | | | | | | | 1 | |
| 62 | | | 1 | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | 1 | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | 4 | |
| 65 | | | | | | | | | | | | | | | | | 3 | |
| 66 | | | 5 | | | | | | | | | | | | | | | |
| 67 | 1 | | | | | | | | | 1 | | | | | | | | |
| 68 | | | 3 | | | | | | | | | | | | | | | |
| 69 | 1 | | | | | | | | | | | | | | | | | |
| 70 | | | | 1 | | | | | | | | | | | | | | |
| 71 | | | | | | | | | 3 | | | | | | | | | |
| 72 | | | | | | | | | | | 1 | | | | | | | |
| 73 | | | 2 | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | 4 | | | | | |
| 75 | | | | | | | | | | | 2 | | | | | | | |
| 76 | | | 6 | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | 2 |
| 78 | | | 2 | | | | | | | | | | | | | | | |
| 79 | | | 6 | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | 2 | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | 2 | |
| 82 | | | | | | | | | | | 2 | | | | | | | |
| 83 | | | 10 | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | 7 |
| 85 | | | 5 | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | 2 | | | | | | | |
| 87 | | | 5 | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | 2 | | | | | | | |
| 89 | | | 1 | | | | | | | | 2 | | | | | | | |
| 90 | | | 1 | | | | | | | | | | | | | | | |
| 91 | | | 4 | | | | | | | | | | | | | | | |
| 92 | | | 10 | | | | | | | | | | | | | | | |
| 93 | | | 1 | | | | | | | | | | | | | | | |
| 94 | | | 5 | | | | | | | | | | | | | | | |
| 95 | | | 4 | | | | | | | | | | | | | | | |
| 96 | | | 6 | | | | | | | | | | | | | | | |
| 97 | | | 6 | | | | | | | | | | | | | | | |
| 98 | | | 5 | | | | | | | | | | | | | | | |
| 99 | | | 6 | | | | | | | | | | | | | | | |
| 100 | | | 8 | | | | | | | | | | | | | | | |
| 101 | | | 1 | | | | | | | | | | | | | | | |
| 102 | | | 5 | | | | | | | | | | | | | | | |
| 103 | | | | | | | | | | | | | | | | | | 15 |
| 104 | | | 2 | | | | | | | | | | | | | | | |
| 105 | | | 3 | | | | | | | | | | | | | | | |
| 106 | | | 4 | | | | | | | | 3 | | | | | | | |
| 107 | | | 8 | | | | | | | | | | | | | | | |
| 108 | | | 1 | | | | | | | | | | | | | | | |
| 109 | | | 3 | | | | | | | | | | | | | | | |
| 110 | | | 5 | | | | | | | | | | | | | | | |
| 111 | | | 5 | | | | | | | | | | | | | | | |
| 112 | | | | | | | | | | | 3 | | | | | | | |
| 113 | | | | | | | | | | | 2 | | | | | | | |
| 114 | | | 3 | | | | | | | | | | | | | | | |
| 115 | | | | | | | | | | | 1 | | | | | | | |
| 116 | | | | | | | | | | | | | | | | | | 4 |
| 117 | | | | | | | | | | | | | | | | 3 | | |
| 118 | | | | | | | | | | | 2 | | | | | | | |
| 119 | | | | | | | | | | | | 3 | | | | | | |
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| 121 | | | | | | | | | | | 1 | | | | | | | |
| 122 | | | | | | | | | | | 2 | | | | | | | |
| 123 | | | | | | | | | | | | | | | | | | 9 |
| 124 | | | | | | | | | | | | | 39 | | | | | |
| 125 | | | | | | | | | | | | 5 | | | | | | |
| 126 | | | 10 | | | | | | | | | | | | | | | |
| 127 | | | 3 | | | | | | | | | | | | | | | |
| 128 | | | 3 | | | | | | | | | | | | | | | |
| 129 | | | | | | | | | | | 2 | | | | | | | |
| 130 | | | | | | | | | | | 3 | | | | | | | |
| 131 | | | | | | | | | | | 2 | | | | | | | |
| 132 | | | 2 | | | | | | | | | | | | | | | |
| 133 | | | | | | | | | | | | | | | | | | 38 |
| 134 | | | 3 | | | | | | | | | | | | | | | |
| 135 | | | | | | | | | | | 2 | | | | | | | |
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| 137 | | | 3 | | | | | | | | | | | | | | | |
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| 145 | | | 2 | | | | | | | | | | | | | | |
| 146 | | | | | | | 17 | | | | | | | | | | |
| 147 | | | | | | 1 | | | | | | | | | | | |
| 148 | | | | | | | 75 | | | | | | | | | | |
| 149 | | | | | | | 150 | | | | | | | | | | |
| 150 | | | | | | 1 | | | | | | | | | | | |
| 151 | | | | 1 | | | | | | | | | | | | | |
| 152 | | | | | | | | | 1 | | | | | | | | |
| 153 | | | | | | | 200 | | | | | | | | | | |
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| 156 | | | | | | | 60 | | | | | | | | | | |
| 157 | | | | | | | 20 | | | | | | | | | | |
| 158 | | | 1 | | | | | | | | | | | | | | |
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| 161 | 1 | | | | | | | | | | | | | | | | |
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| 166 | | | 2 | | | | | | | | | | | | | | |
| 167 | | | 1 | | | | | | | | | | | | | | |
| 168 | | | | | | | | | | | | 19 | | | | | |
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| 181 | | | 6 | | | | | | | | | | | | | | |
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| 184 | | | 1 | | | | | | | | | | | | | | |
| 185 | | | 3 | | | | | | | | | | | | | | |
| 186 | | | 7 | | | | | | | | | | | | | | |
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| 189 | | | | | | | | | 2 | | | | | | | | |
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| 198 | | | | | | | | | | | | | | | 2 | | |
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| 205 | 1 | | 5 | | | | | | | | | | | | | | |
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| 207 | | | 9 | | | | | | | | | | | | | 2 | |
| 208 | | | | | 1 | | | | | | | | | | | | |
| 209 | | | 3 | | | | | | | | | | | | | | |
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| 211 | | | 2 | | | | | | | | | | | | 7 | | |
| 212 | | | | | | | | | | | | | | | 5 | | |
| 213 | | | 1 | | | | | | | | | | | | | | |
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| 225 | | | | | | | | 1 | | | | | | | | | | |
| 226 | | | | | | | | 1 | | | | | | | | | | |
| 227 | | | | | 25 | | | | | | | | | | | 1 | | |
| 228 | | | | | | | | | | | | | | 15 | | | | |
| 229 | | | | | | | | 1 | | | | | | | | | | |
| 230 | | | | | | | | 1 | | | | | | | | | | |
| 231 | | | | | | | | 1 | | | | | | | | | | |
| 232 | | | | | | | | 1 | | | | | | | | | | |
| 233 | | | | | | | | | | | | | | | | 1 | | |
| 234 | | | | | | 1 | | | | | | | | | | | | |
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| 236 | | | | | | | | | | | | | | | | | | 10 |
| 237 | | | 2 | | | | | | | | | | | | | | | |
| 238 | | | 2 | | | | | | | | | | | | | | | |
| 239 | | | | | | | | | | 2 | | | | | | | | |
| 240 | | | 3 | | | | | | | | | | | | | | | |
| 241 | | | | | | | | | | | | | | | | | | 1 |
| 242 | | | 5 | | | | | | | 2 | | | | | | | | |
| 243 | | | | | | | | | | | 1 | | | | | | | |
| 244 | | | 1 | | | | | | | | | | | | | | | |
| 245 | | | 4 | | | | | | | | | | | | | | | |
| 246 | | | | | | | | | | 2 | | | | | | | | |
| 247 | | | | | | | | | | 2 | | | | | | | | |
| 248 | | | | | | | | | | | | | | | | | | 2 |
| 249 | | | | | | | | | | | | | | | | | | 6 |
| 250 | | | 3 | | | | | | | | | | | | | | | |
| 251 | | | | 1 | | | | | | | | | | | | | | |
| 252 | | | 2 | | | | | | | | | | | | | | | |
| 253 | | | 5 | | | | | | | | | | | | | | | |
| 254 | | | | | | | | | | | | | | | | | | 2 |
| 255 | | | | | | | | | | | | | | | | | 4 | |
| 256 | | | | | | | | | | | | | | | | | | 1 |
| 257 | | | 1 | | | | | | | | | | | | | | | |
| 258 | | | | | | | | | | | | | | | | | 12 | |
| 259 | | | | | | | | | | | | | | | | | | 14 |
| 260 | | | 6 | | | | | | | | | | | | | | | |
| 261 | | | | | 1 | | | | | | | | | | | | | |
| 262 | | | | | | | | | | | | | | | | | | 7 |
| 263 | | | | | | | | | | | 14 | | | | | | | |
| 264 | | | | | | | | | | 1 | | | | | | | | |
| 265 | | | 4 | | | | | | | | | | | | | | | |
| 266 | | | 7 | | | | | | | | | | | | | | | |
| 267 | | | | | | | | | | | | | | | | | 3 | |
| 268 | | | 2 | | | | | | | 2 | | | | | | | | |
| 269 | | | | | | | | | | | | | | | | | | 2 |
| 270 | | | | | | | | | | | | | | | | 9 | | |
| 271 | | | 4 | | | | | | | | | | | | | | | |
| 272 | | | 9 | | | | | | | | | | | | | | | |
| 273 | | | 5 | | | | | | | | | | | | | | | |
| 274 | | | 5 | | | | | | | | | | | | | | | |
| 275 | | | 1 | | | | | | | | | | | | | | | |
| 276 | | | 2 | | | | | | | | | | | | | | | |
| 277 | | | | | | | | | | | | | | | | | | 5 |
| 278 | 2 | | | | | | | | | | | | | | | | | |
| 279 | | 3 | | | | | | | | | | | | | | | | |
| 280 | | 2 | | | | | | | | | | | | | | | | |
| 281 | | | | | | | | | | | 1 | | | | | | | |
| 282 | | | | | | 1 | | | | | | | | | | | | |
| 283 | | | | | | | | | | | 1 | | | | | | | |
| 284 | | | | | | | 25 | | | | | | | | | | | |

BENOUE, FARO, BOUBA NDJIDDA AND ADJACENT HUNTING BLOCKS TOTAL COUNT 29TH APRIL - 2ND MAY 2008

| | | | | | |
|-----------------------------------|----------------|------------------|------------|-----------------------|-------|
| Pilot: | Amanda Nelson | Aircraft: | N44344 | Take Off Time: | 15:05 |
| Front Seat Observer | Elphas Bitok | Date: | 02/05/2008 | Start Count: | 15:28 |
| Rear Seat Observer (Left) | Andre Kiang | Block: | Rey Bouba | Stop Count: | 17:34 |
| Rear Seat Observer (Right) | Tiawuon Siyvan | | | Landing Time: | 17:45 |

| Waypoint | BB | BF | BN | C3 | CB | CG | CT | FR | HP | OB | RA | SH | ST | TP | WB | WH | WHB |
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| 6 | | | | | | | | | | | | | | | | | |
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| 8 | | | | | 3 | | | | | | | | | | | | |
| 9 | | | | | | | 1 | | | | | | | | | | |
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| 11 | | | | | | | | | | | | | 1 | | | | |
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| 18 | | | | | | | | | | | 1 | | | | | | |
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| 22 | | | | | 4 | | | | | | | | | | | | |
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| 24 | | | | | | | 1 | | | | | | | | | | |
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| 26 | | | | | | | | | | | | | | | | | 2 |
| 27 | 1 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | 2 | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | 2 |
| 30 | | | | | | | 1 | | | | | | | | | | |
| 31 | | | | | 3 | | | | | | | | | | | | |
| 32 | | | 2 | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | 10 | | |
| 34 | | | | | | | | | | | | | | | | | 12 |
| 35 | | | | | | | | | | | 2 | | | | | | |
| 36 | | | | 1 | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | 2 | | | | | | 9 |
| 38 | | | | | 1 | | | | | | | | | | | | |
| 39 | 3 | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | 8 |
| 41 | | | | | | | | | | | | | | | | | 1 |
| 42 | | | | | | | | | | | | | | | | 2 | |
| 43 | | | | | | | | | | 1 | | | | | | | |
| 44 | | | | | | | | | | | | | 1 | | | | |
| 45 | | | | | | | | 300 | | | | 150 | | | | | |
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| 47 | | | | | | | | | | | | | 1 | | | | |
| 48 | | | | | | | | 50 | | | | | | | | | |
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| 50 | 1 | | | | | | 1 | | | | | | | | | | |
| 51 | 1 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | 1 | | | | | | | | |
| 53 | | | | | | | | | 1 | | | | | | | | |
| 54 | | | 5 | | | | | | | | | | | | | | |
| 55 | 1 | | | | | | | | | | | | | | | | |
| 56 | | | | 3 | | | | | | | | | | | | | |
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| 58 | | | | | | | | | | | | | | | | | 4 |
| 59 | | | 45 | | | | | | | | | | | | | | |
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| 61 | | | | | | | | | | | | | | | 0 | | |
| 62 | | | | | | | | | | | | | | | | | 3 |
| 63 | | | | | | | 2 | | | | | | | | | | |
| 64 | | | | | | | | | | | 1 | | | | | | |
| 65 | | | | | | | | | | | | | | | | | 25 |
| 66 | 1 | | | | | | | | | | | | | | | | |
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| 68 | | | | | 3 | | | | | | | | | | | | |
| 69 | | | 10 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | 5 | | |
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| 72 | | | | | | | | | | | | | | | | | 1 |
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| 74 | | | | | | | | | | | | | | | | | 1 |
| 75 | | | | | | | | | | | | | | | | | 2 |
| 76 | | | | | | | | | | | | | | | | | 11 |
| 77 | | | | | | | | | | 2 | | | | | | | |
| 78 | | | | | | | 1 | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | 12 | |
| 80 | 4 | | | | | | | | | | | | | | | | |
| 81 | | | | | | | 1 | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | 30 |