



FONDATION INTERNATIONALE POUR LA GESTION DE LA FAUNE

PHVA Girafe d'Afrique de l'Ouest, Niamey, 29.09-03.10.2008



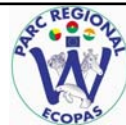
Technologie de contention de la girafe :
Immobilisation simple, capture individuelle,
capture de masse & enclos de transit

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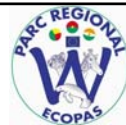
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Plan :

- **Présentation d'un cas particulier démonstratif : le Mozambique**
- **Immobilisation individuelle simple**
- **Translocation individuelle**
- **Translocation de masse**
- **Enclos de transit**



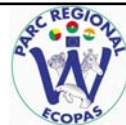
Sources de référence :

- **Du P. Bothma J., 1996**
- **Du P. Bothma J. & van Rooyen N., 2005**
- **Kock M., Meltzer D. & Burroughs R., 2007**
- **La Grange M., 2006**
- **McKenzie A. (ed.), 1993**



Le cas particulier du Mozambique :

- **Aucune girafe au Mozambique après 30 ans de guerre**
- **Réintroduction au PN du Limpopo (Mozambique) à partir du PN Kruger (Afrique du Sud) :**
 - **enclos de préparation de 10.000 ha (50 km de clôture, 300.000\$US),**
 - **relâcher passif en milieu ouvert**
- **Réintroductions en cours dans les PN de Banhine et de Zinave selon exactement le même procédé**
- **Autres réintroductions envisagées dans d'autres aires protégées du pays**



IMMOBILISATION INDIVIDUELLE SIMPLE

Drugs: Table 8.3.6: Drug mixtures used for the immobilization of giraffe.



Age/sex	Primary Drug	Tranquilliser
Adult bull	Etorphine 10-12mg	Azaperone 40-60mg Use 3000 I.U. hyalase
	A3080 16-20mg*	None
Adult cow	Etorphine 8-10mg	Azaperone 40mg*

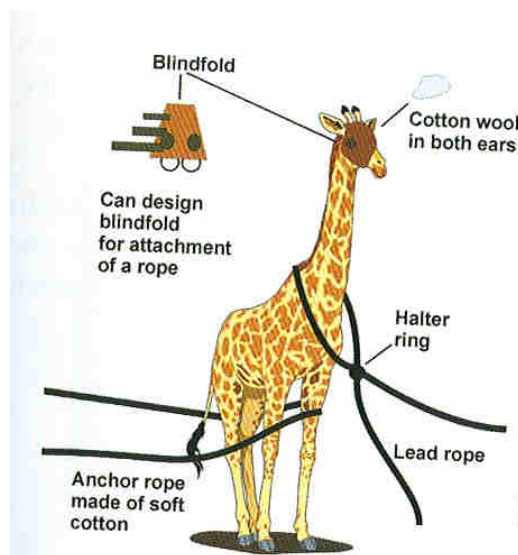
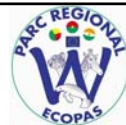
*A3080 is routinely used by SANP without any tranquillizers: 14-16 mg adult bulls (up to 20 mg) plus 1500 IU hyalase, 12-14 mg adult cows, 8-12 mg subadults and 6-9 mg in smaller animals (M. Hofmeyr).

Table 25 Dosages in mg of M-99, tranquillizers and antidotes for capturing giraffe. Do not attempt capture if the ambient temperature is higher than 25°C.

Giraffe height in metres	Immobilizing drug M-99	Tranquillizer ACP	Antidote: M-5050
1,8-2,2	1,5	2	3
2,3-2,5	2,0	2	4
2,6-2,7	2,5	2	5
2,8-3,0	3,0	3	6
3,1-3,3	3,5	3	8
3,4 and higher	5-10	5-10	10-20



TRANSLOCATION INDIVIDUELLE



Préparation des cordages

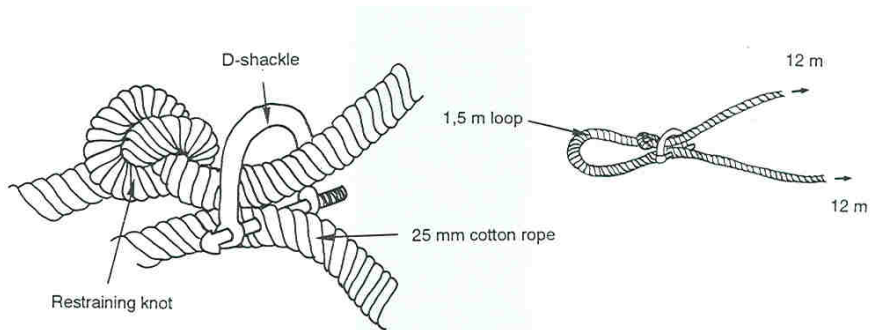


Figure 1. Giraffe capture rope.

Préparation du protège-tête

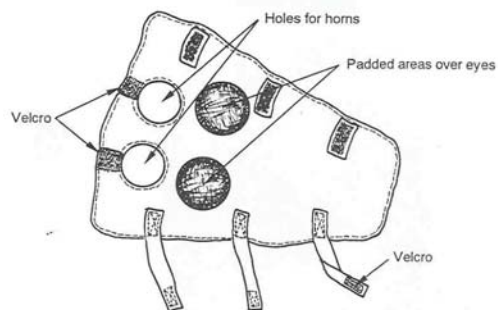


Figure 3. Blindfold for giraffes. The front section should be folded back away from the nostrils for small giraffes.

Conduite de l'animal

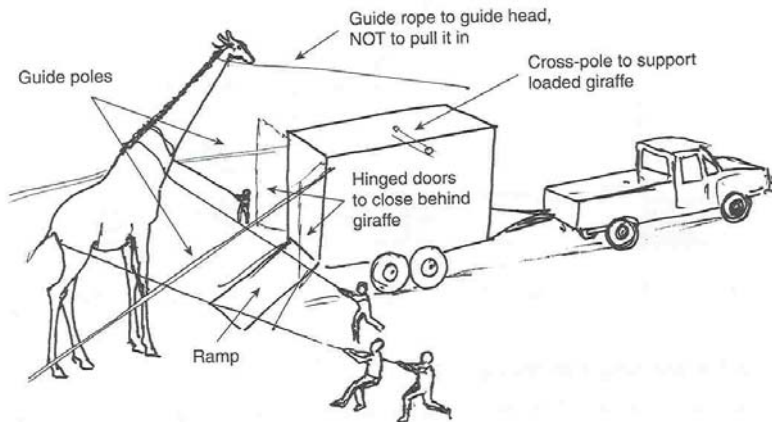


Figure 7.3 Chemical capture of giraffe, showing loading procedure.

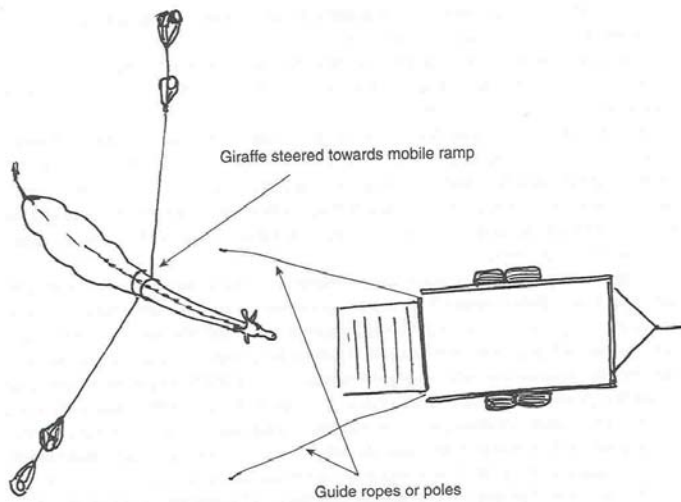


Figure 7.4 Walking giraffe onto loading ramp.

CHEMICAL CAPTURE – MORKEL

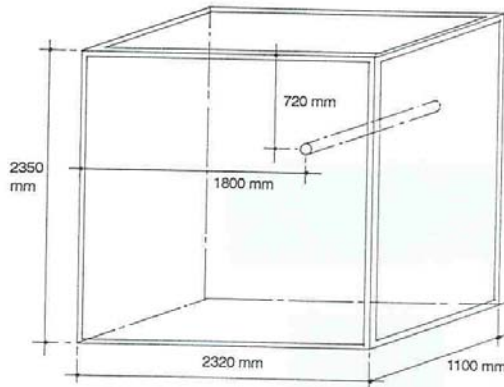


Figure 2. Dimensions of the field recovery crate for giraffes.

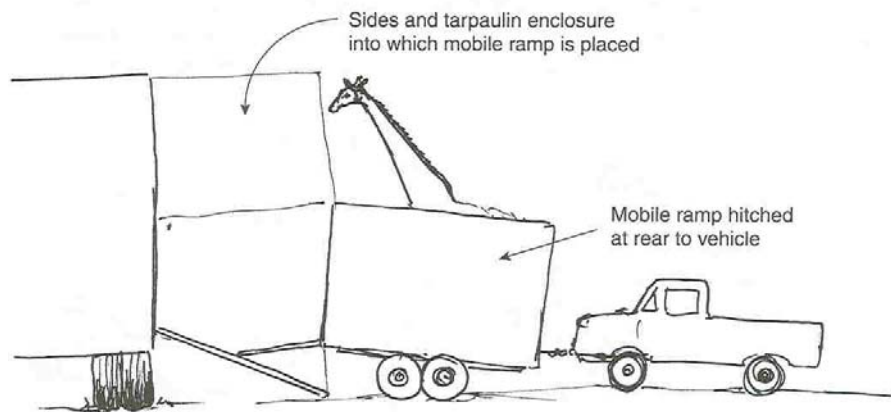


Figure 7.5 Unloading giraffe from mobile ramp into mass transport vehicle.

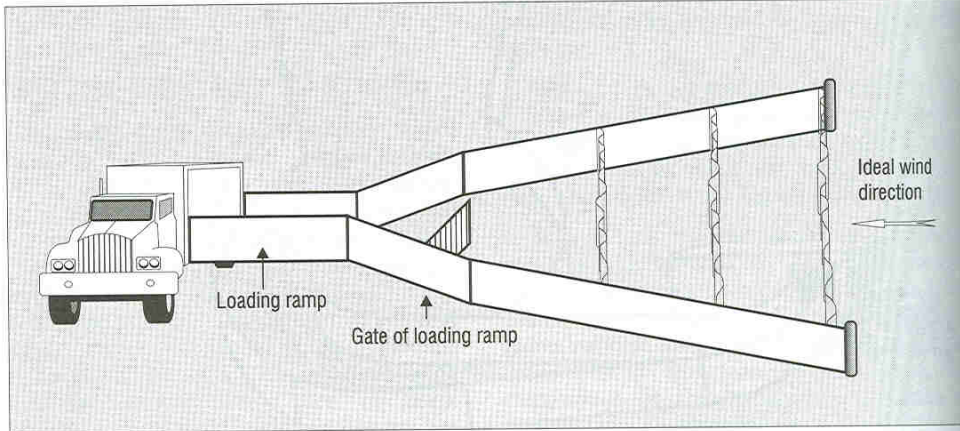


Figure 68 Combining a loading ramp with a capture boma for the direct loading and transporting of game. Main entrance 120 to 200 m wide; curtains every 40 to 50 m; sides 150 to 250 m long. Positioning of the curtains depends on the density of the bush and wind direction.

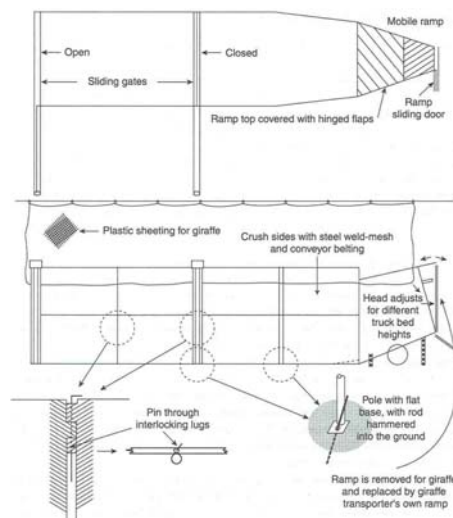


Figure 6.18 Diagrammatic view of a crush and ramp complex. Note the increased side height with plastic for eland, waterbuck and giraffe.

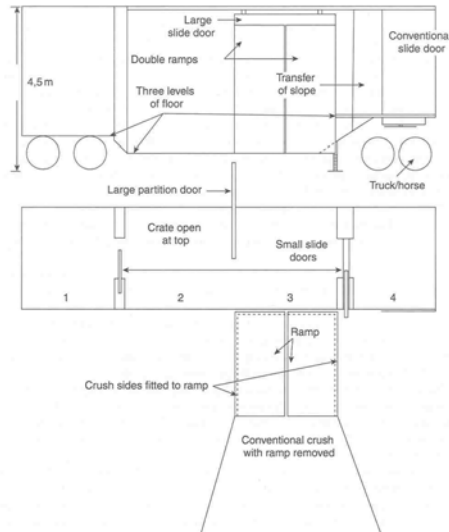


Figure 10.10 A giraffe mass crate, with partitions, gates and the attachment to the conventional mass boma crush system.

ENCLOS DE TRANSIT

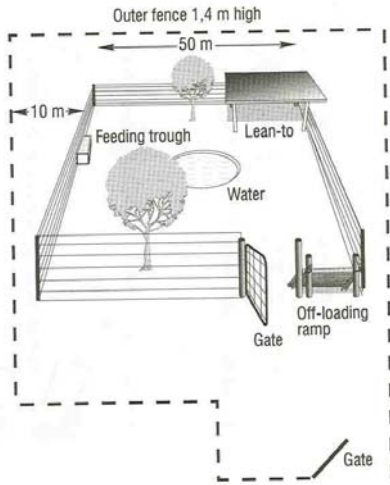


Figure 38 Schematic design of quarantine and general holding pens for giraffe kept at the place of release

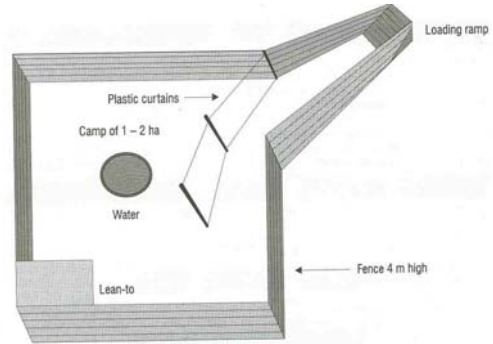


Figure 39 Holding or quarantine bomas for giraffe at their place of origin. The giraffe are loaded with the aid of plastic curtains. For other game a similar boma with a fence 2,5 m high can be built. This boma may border on the holding pens (Figure 40).

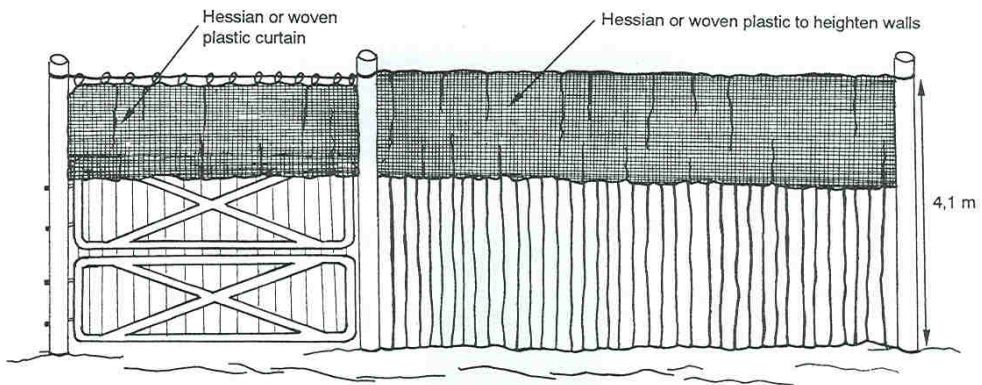


Figure 2. Extension of standard boma walls for accommodation of giraffes.

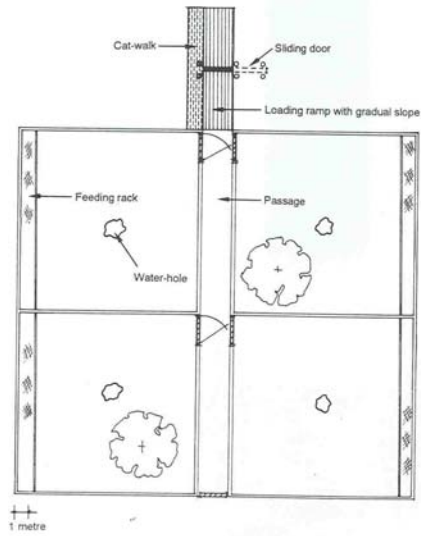
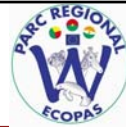


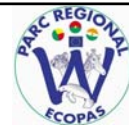
Figure 1. Permanent accommodation facility for giraffes.



MERCI DE VOTRE ATTENTION !



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Table 46 Approximated browser unit and large-animal unit stocking rates per rainfall region (mm) in the mopaniveld north of the Soutpansberg. Source: Snyman (1991)

Rainfall per year	Large-animal units per 100 hectares	Browser units per 100 hectares*
215	1,0	3,5
250	1,5	5,1
285	2,0	6,8
320	2,5	8,4
355	3,0	10,0

*One kudu is one browser unit

Table 45 Approximated browser units and unit conversions for stock and game which generally occur in the mopaniveld north of the Soutpansberg. Source: Snyman (1991)

Type of animal	Large-animal units per animal	Browser units per animal*
Blesbok	0,21	—
Burchell's zebra	0,65	—
Cattle	0,79	0,72
Eland	0,30	1,71
Gemsbok	0,39	0,41
Giraffe	—	3,80
Domestic goat	0,05	0,40
Impala	0,07	0,20
Kudu	—	1,00
Nyala	0,05	0,49
Red hartebeest	0,37	—
Rhinoceros: White	1,95	1,18
Waterbuck	0,37	—
Wildebeest: Blue	0,40	—

*One kudu is one browser unit

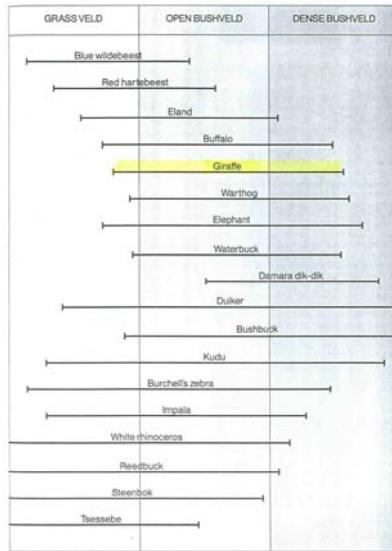


Figure 143 Ecological separation of some game commonly found in southern Africa