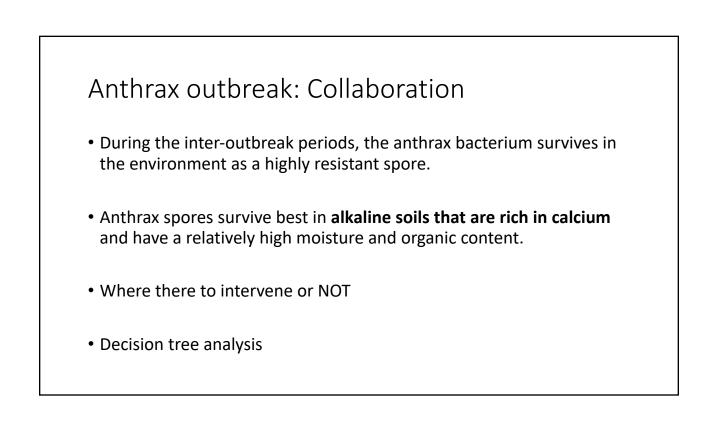
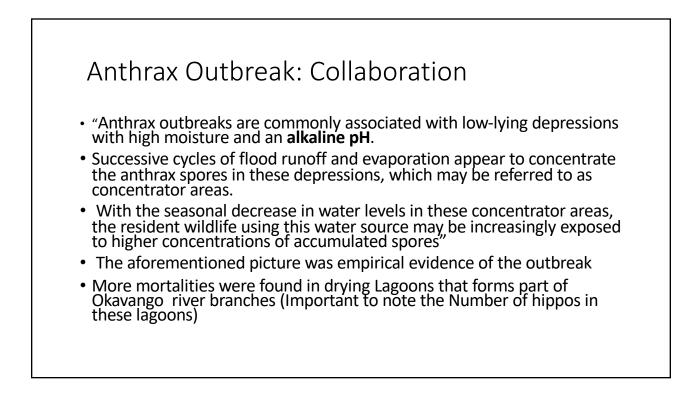
# Lessons from the field: the importance of trans boundary collaboration

Comfort Nkgowe (DVM, MVS-Con Med) District Wildlife Veterinarian Ngamiland Region

#### Lesson Learnt; collaboration

- Suspect Anthrax outbreak in KAZA conservancies (Namibia and Botswana?)
- Possible spill over effect (question of a chicken and egg)?
- Tuberculosis approach of a primary lesion could be used to establish the source of the outbreak (the bigger the lesion is the primary lesion)

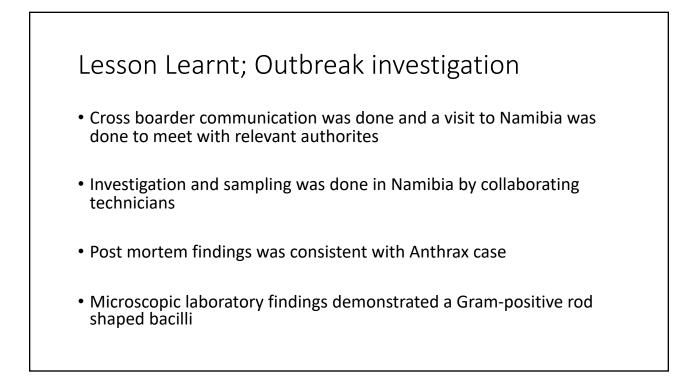




## Lesson Learnt: Outbreak Investigation In Botswana

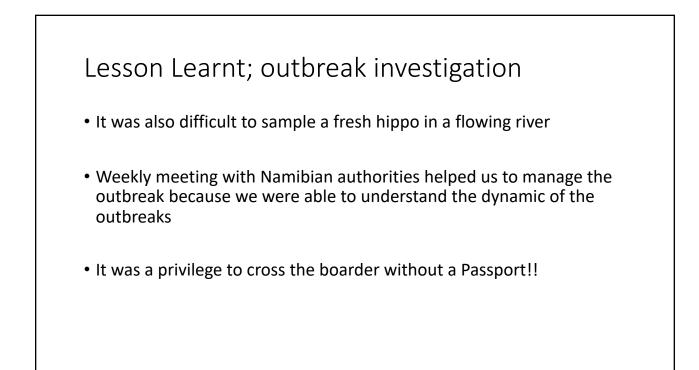
- History ; Dead Hippos were reported floating past Mohembo through Okavango river
- Department of Veterinary Services (DVS) and Department of Wildlife and National Parks Veterinarians started investigations.
- Floating Hippos were noted by investigating officers
- Floating hippos was confirmed to be from the other side of the boarder

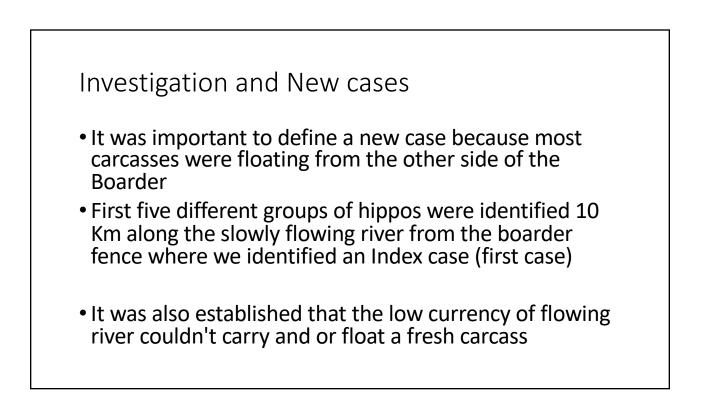


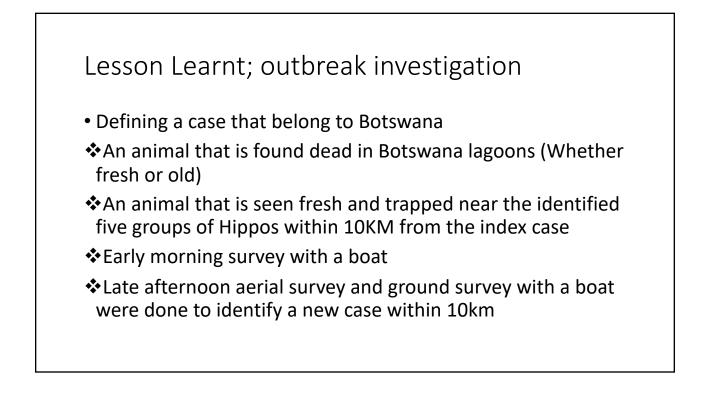




- Sampling in Botswana was failing to demonstrate Anthrax
- Failure to find a fresh sample was also a challenge (easily identifiable within 12 to 24 hours)
- No. of fresh samples were not as many as in Namibia

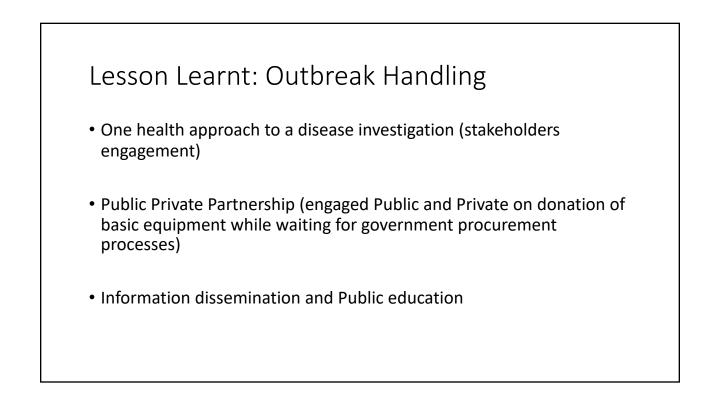






#### Carcass disposals; Lesson Learnt

- Field investigation supported by postmortem finding concluded the outbreak to be Anthrax
- Epidemiologic linking of similarity of cases within the same river ecosystem (same epidemiologic Unit)
- The outbreak was handled to be anthrax as confirmed in Namibia
- Collaboration worked effectively for our advantage

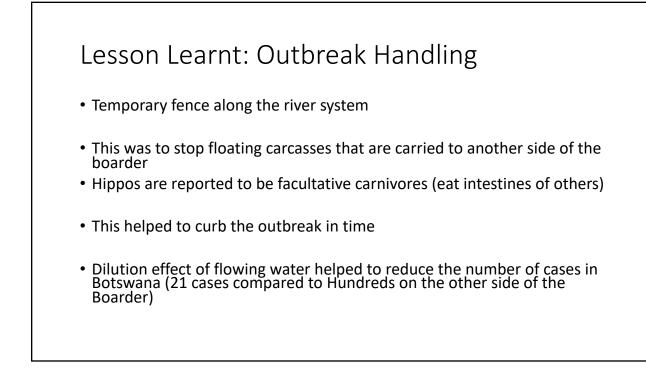


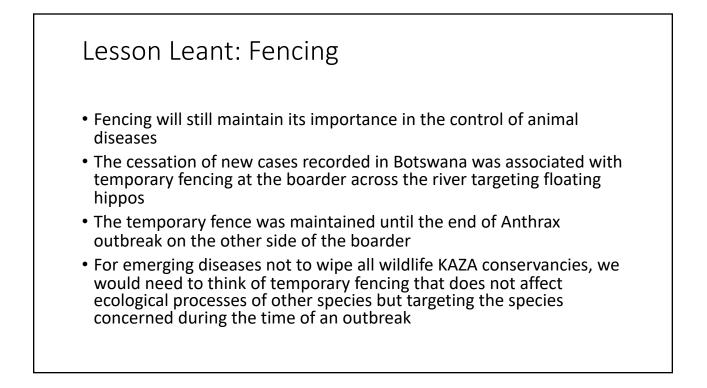


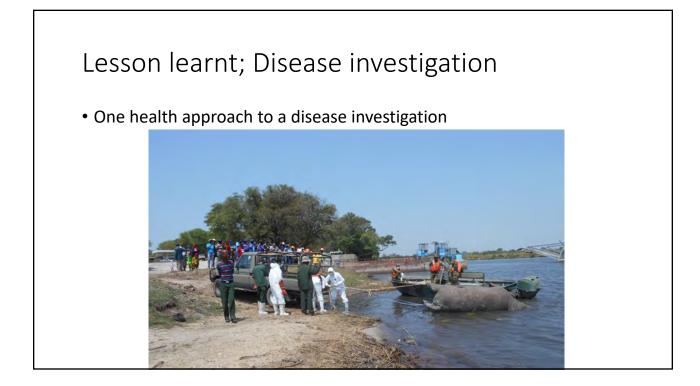
- Emergency vaccination of cattle population
- Participatory epidemiology

(Kgotla meetings: Meeting at community gathering center's)

- Prophylactic treatment of communities that harvested dead hippo carcasses
- Weekly cross boarder meeting



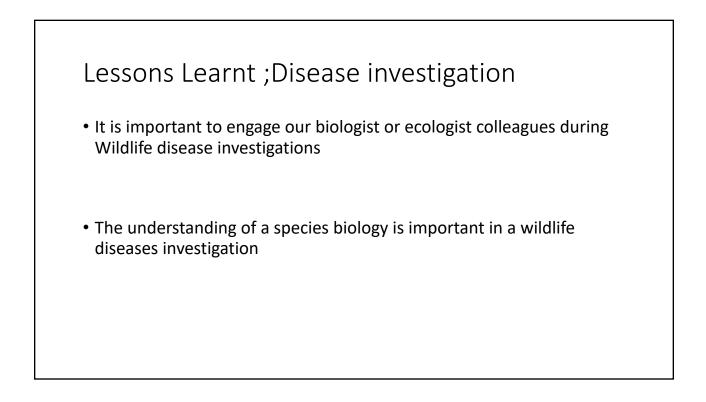




## Lesson Learnt;

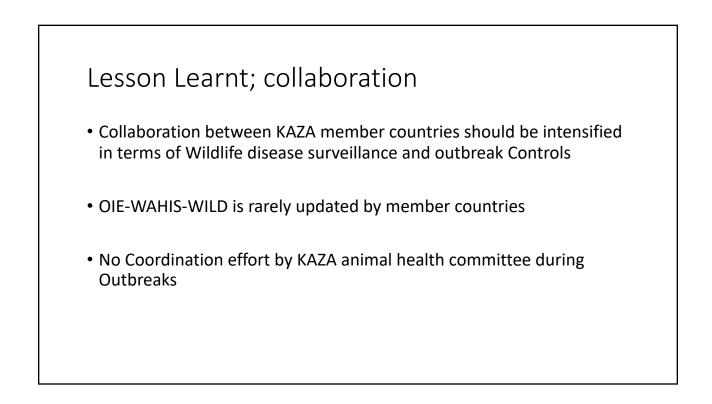
• Machinery offered by a Local Private company

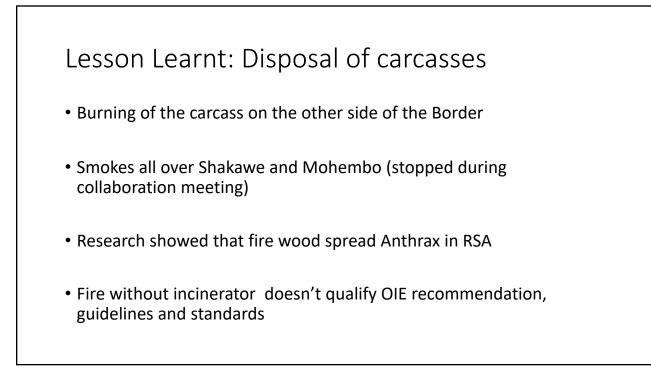




#### Lesson Learnt; collaboration

- Surveillance and health monitoring are important towards providing appropriate level of understanding the health status of wildlife populations
- It appears that most of the KAZA countries doesn't have documented surveillance programmes for wildlife diseases,
- it has been recorded elsewhere that some wildlife population declines (extinctions) are attributed to diseases

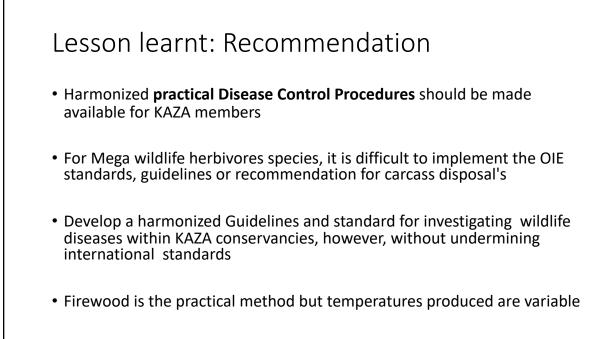






## Lesson Learnt: Practicing Veterinarians

- Not registered to practice in the neighboring borders
- Shortage of Veterinarians in particular Wildlife Veterinarians
- Strengthen animal health collaboration within KAZA conservancies by adequate coordination



## **LESSON LEARNT: Recommendation**

- Develop a harmonized Guidelines and standard for investigating wildlife diseases within KAZA conservancies, however, without undermining international standards
- Vets should be registered across the borders with conditions to enable rapid detection of wildlife diseases (Only for Veterinarians who work in KAZA conservancies)

# KE A LEBOGA, THANK YOU Biodiversity conservation

