

FOOT-AND-MOUTH DISEASE - STATUS, REPORTING, CONTROL

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2022/08/26
DSA FMD webinar





Mbombela - Sep 2009



Nkomazi - Dec 2000

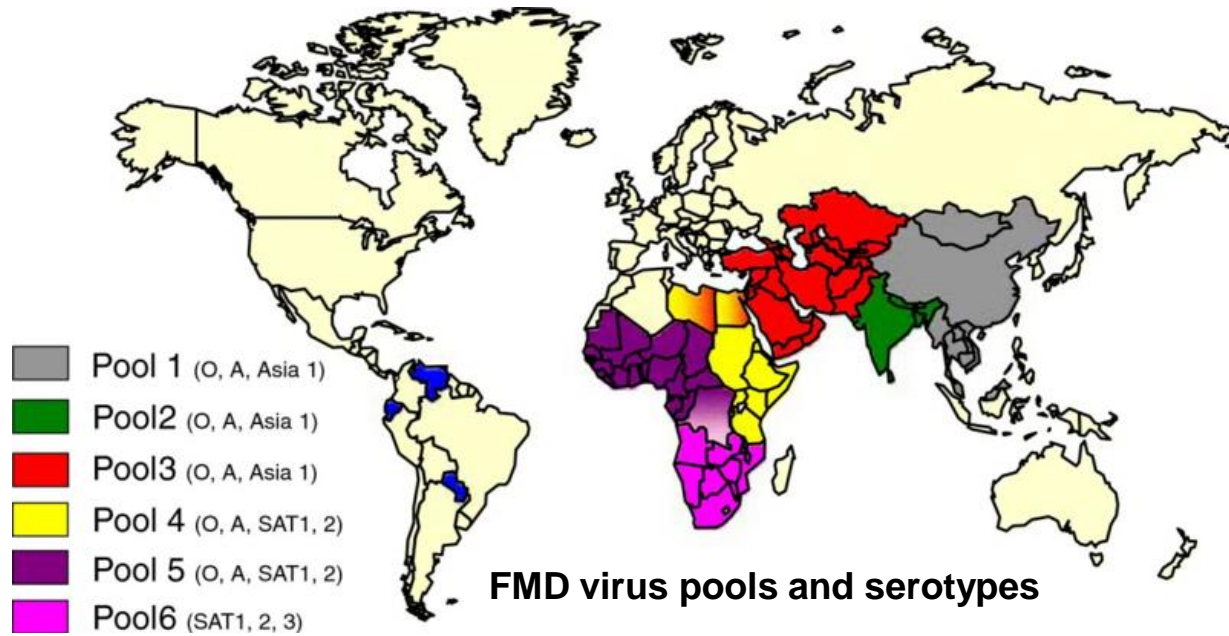
1. STATUS OF FMD IN SOUTH AFRICA

2. FMD ZONES AND AREAS

3. EARLY DETECTION AND REPORTING

4. FMD OUTBREAK CONTROL

1. STATUS OF FMD IN SOUTH AFRICA

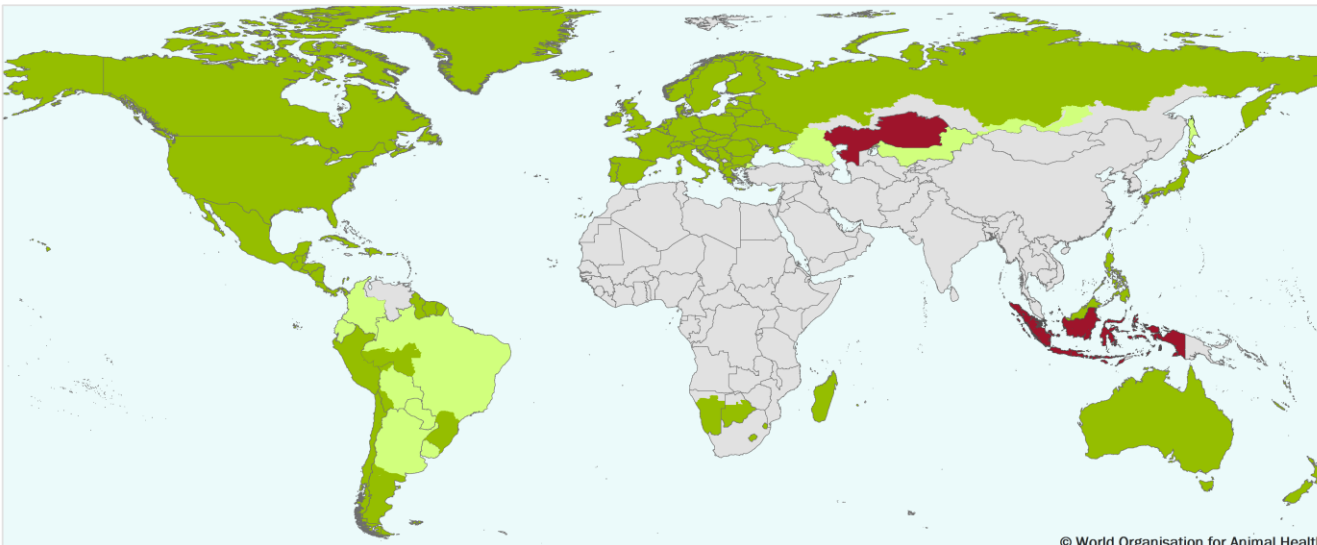


FMD virus pools and serotypes

WOAH Members' official FMD status map

Last update June 2022

- OIE (WOAH) RSA = FMD infected country
- Animal Diseases Act 35 of 1984 as amended 18 of 1991
- Animal Diseases Regulations 1986 as amended 1986 – 2022
- (Animal Health Act 7 of 2002 - not implemented)
- FMD = controlled disease
- FMD controlled area = RSA



Members and zones recognised as free from FMD without vaccination
Members and zones recognised as free from FMD with vaccination

Countries and zones without an official status for FMD
Suspension of FMD free status

1. STATUS OF FMD IN SOUTH AFRICA

FMD control measures:

- **Susceptible animals:** vaccinated DIR, no buffalo contact
- **Contact animals:** isolated, dealt with DIR
- **Infected animals :** isolated, vaccinated/disposed DIR

DIR = as determined by Director of Animal Health

2. FMD ZONES AND AREAS

FMD INFECTED ZONE:

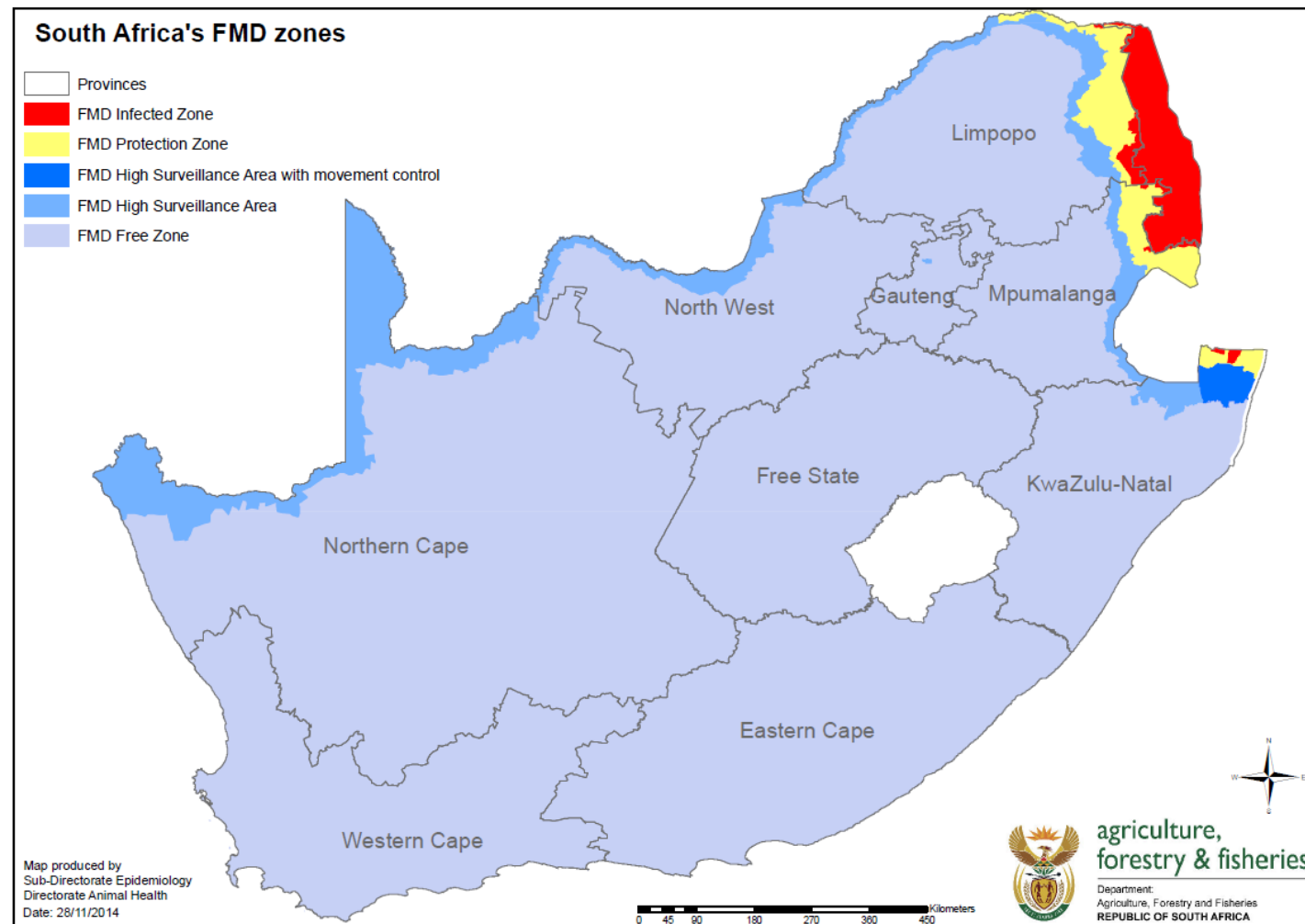
FMD infected buffalo

FMD PROTECTION ZONE:

- with vaccination
 ± 10 km, cattle every 4 m.
- without vaccination ± 10 km

FMD FREE ZONE WITHOUT VACCINATION:

- High surveillance area with movement control – KZN
- High surveillance area ± 10 km
- REST OF FREE ZONE

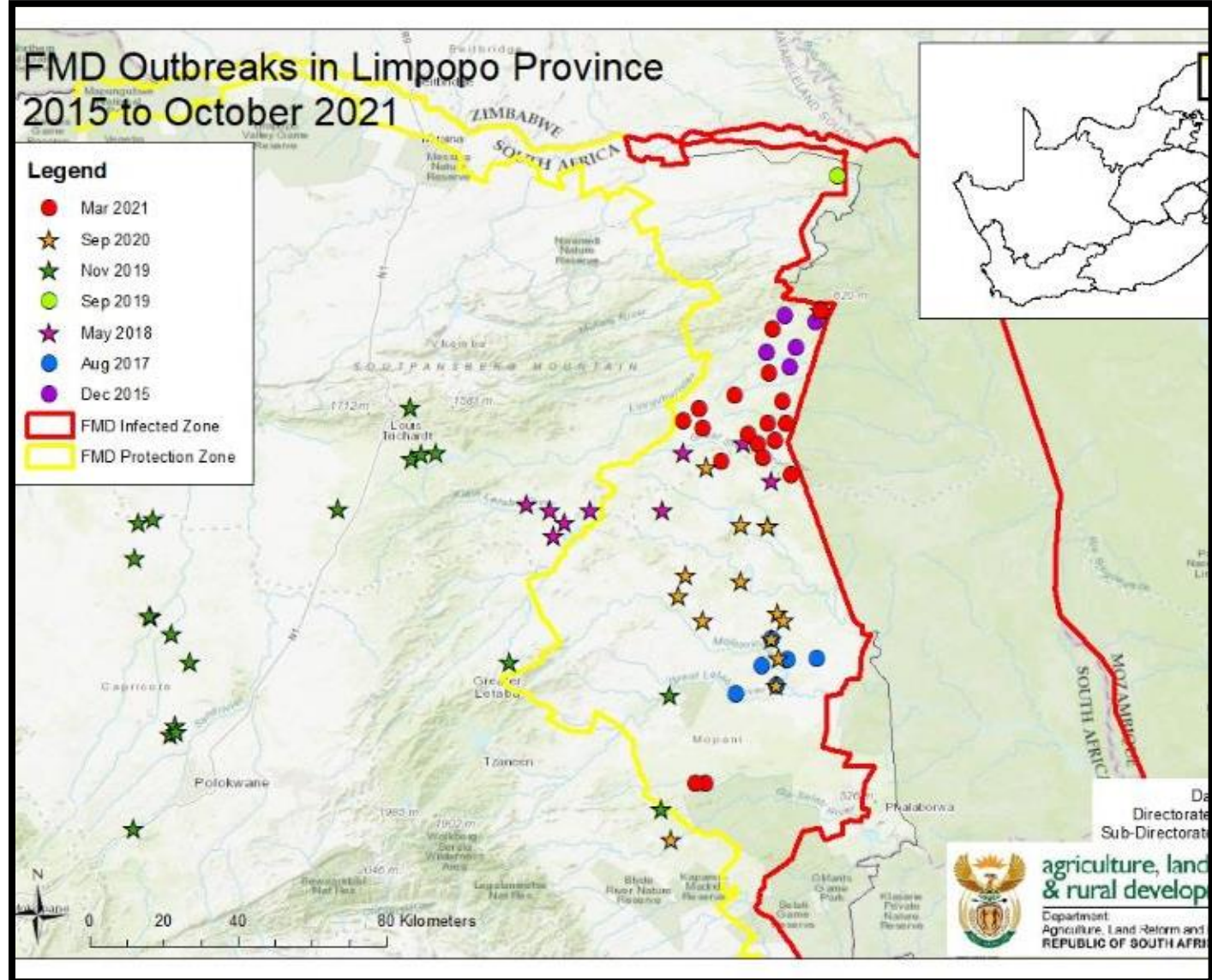


2. FMD ZONES AND AREAS

OIE/WOAH recognised
FMD free zone
without vaccination:

- 1996 – 2000 KZN outbreak (O)
- 2002 – 2011 KZN outbreak (SAT-1, SAT-3)
- 2014 – 2019 Limpopo outbreak (SAT-2)

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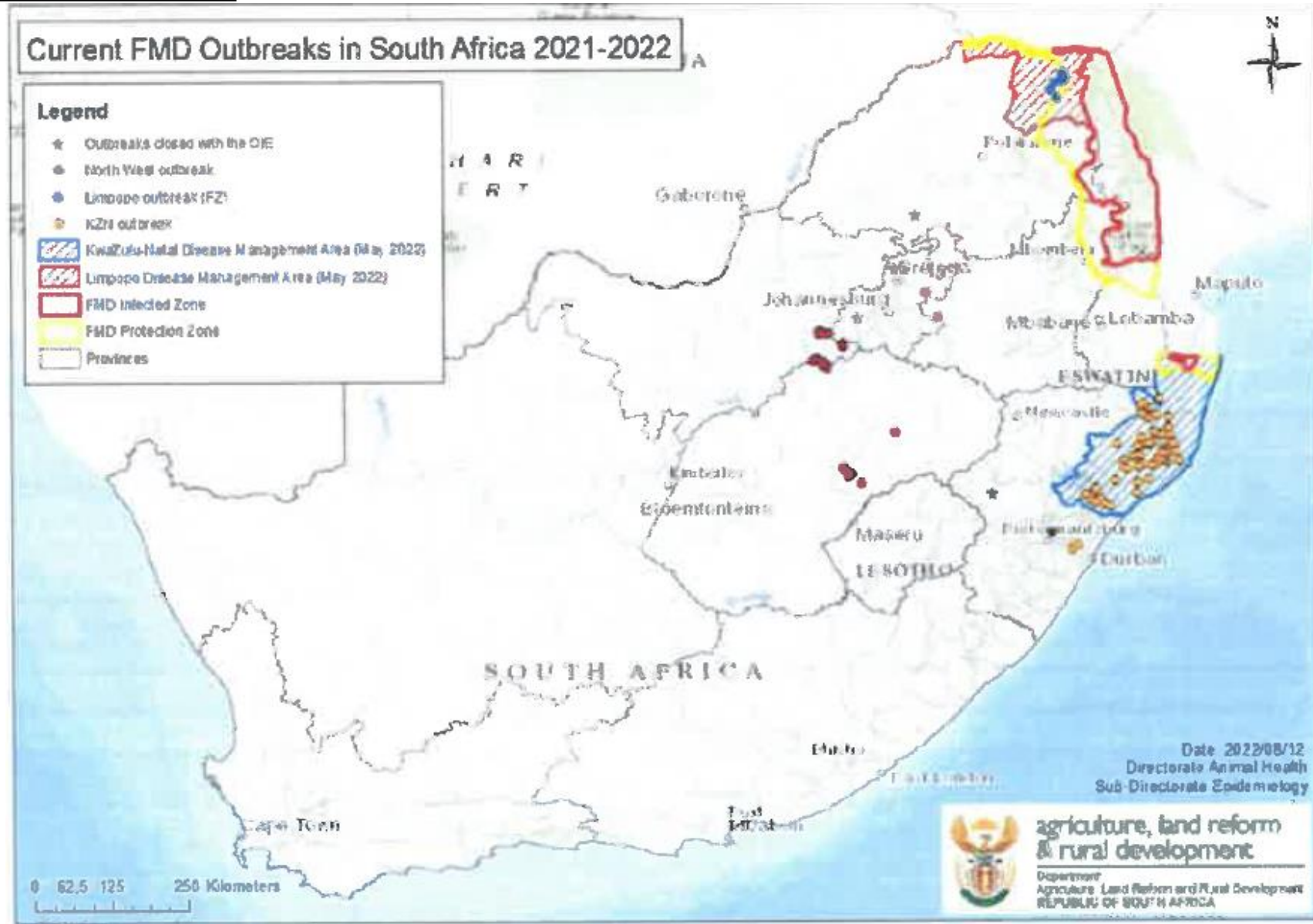


2. FMD ZONES AND AREAS

Disease management areas:

- Limpopo 10 May 2022
- KwaZulu-Natal 10 May 2022

Quarantined land
(due to outbreaks)



3. EARLY DETECTION AND REPORTING



- **No state response possible without early detection AND reporting**
- **FMD must be 1st DDx or suspicion with any mouth or foot lesions!**
- **Delayed reporting enhances spread and increases losses**

3. EARLY DETECTION AND REPORTING

- A D Act 35/1984 section 11, A D Regulation 12:
- Any person, veterinarian, laboratory:

Immediate

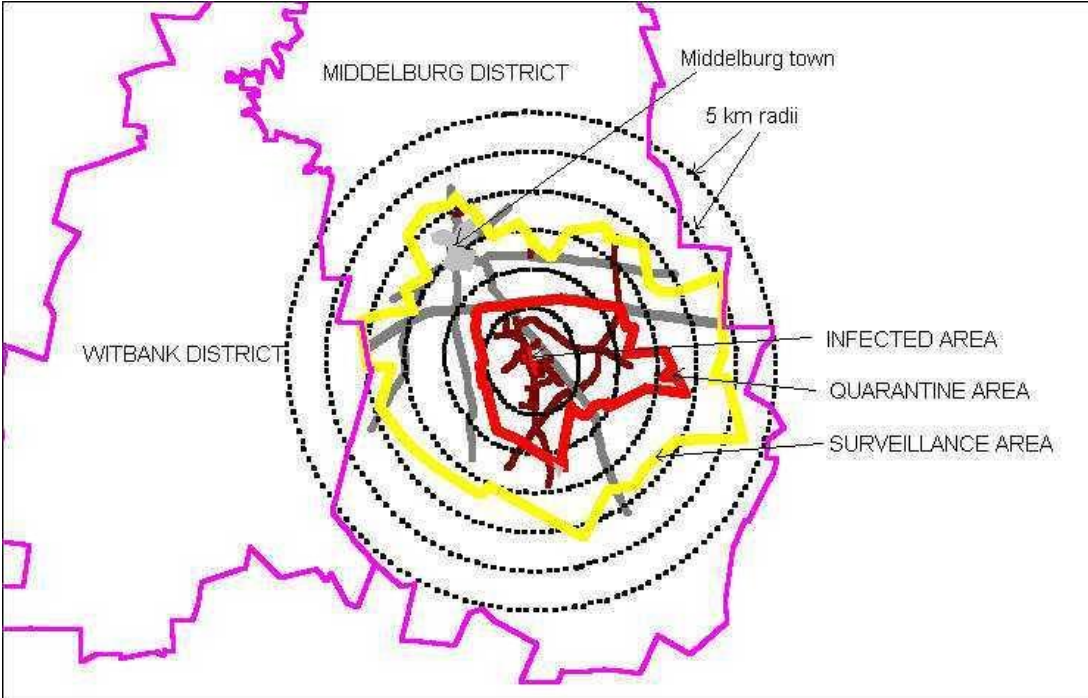
**verbal / written reporting
of suspicion / incidence
of controlled / notifiable
animal disease**

to director /

state veterinarian /

animal health technician





4. FMD OUTBREAK CONTROL

- Suspicion
- Reporting
- Communication
- Quarantine
- Investigation
- Diagnosis
- Outbreak areas:
 - Infected area
 - Animal-free area
 - Quarantine area
 - Surveillance area
 - Vaccination area

DEPARTMENT OF AGRICULTURE, CONSERVATION AND ENVIRONMENT
MPUMALANGA

DEPT. LANDBOU, BEWARING EN OMGEWING
LITIKO LETEKULIMA, KONGIWA NEMAMELO

VETERINARY PERMIT TO MOVE ANIMALS / ANIMAL PRODUCTS
VEERTSEMPERMIT VIR VERVOER VAN DIERE / DIEREPRODUKTE
IMVUMO YEKUHAMBISA TILWANE / TINTFO LETHABULISAKO TETILWANE

In terms of the Animal Diseases Act No. 35 of 1984 permission is hereby granted to: Kragana die Wit op Dieresektes Nr. 35 van 1984 word toestemming hiermee verleen aan: Hagoanya lethefoa woTfo teTilwane No. 35 wa 1984.

Name: _____ ID No.: _____
 Naam: _____ ID No.: _____
 Labo: _____
 Address: _____
 Adres: _____
 Label: _____

To move with: _____
 om te beweeg met: _____
 ooruynha yekuhambisa: _____
 identified as follows: _____
 geldeliker as volg: _____
 letshobanezwe: _____

AMOUNT IN WORDS	SPECIES	LINE / PRODUCT

from the farm/plak area/place: _____ in the district of _____
 vanaf die plaas/vipakgebied/place: _____ in die distrik _____
 to the farm/plak area/place: _____ in the district of _____
 na die plaas/vipakgebied/place: _____ in die distrik _____
 kuya equlam/letshin/omazelen/omazelen: _____

Other conditions: _____
 Op die volgende voorwaardes: _____
 1. Hands ports: _____
 2. If goods are to be moved from date of issue and bring commitment only _____
 3. must accompany the agent/agent _____
 4. must be produced for inspection as demanded by any levy or animal owner or police or veterinary official _____
 5. must be kept at a destination until ordered by a veterinary official _____
 6. For game / game products a nature conservation permit is also needed _____
 7. Animals and products must be visible free from external parasites _____
 8. Animals are to be inspected in accordance with animal welfare guidelines _____
 9. Other conditions: _____

1. Hands ports: _____
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 9. Other conditions: _____

1. Lemoene _____
 2. Isibane esawaga-anga 10 leshobanezwe _____
 3. Isibane esawaga-anga 10 leshobanezwe _____
 4. Isibane esawaga-anga 10 leshobanezwe _____
 5. Isibane esawaga-anga 10 leshobanezwe _____
 6. Isibane esawaga-anga 10 leshobanezwe _____
 7. Isibane esawaga-anga 10 leshobanezwe _____
 8. Isibane esawaga-anga 10 leshobanezwe _____
 9. Isibane esawaga-anga 10 leshobanezwe _____

6. Retention for / Quarantine for / Direct slaughter within: _____ days after arrival at destination

Place / Plak / Indawo: _____
 Date / Datum / Lusak: _____

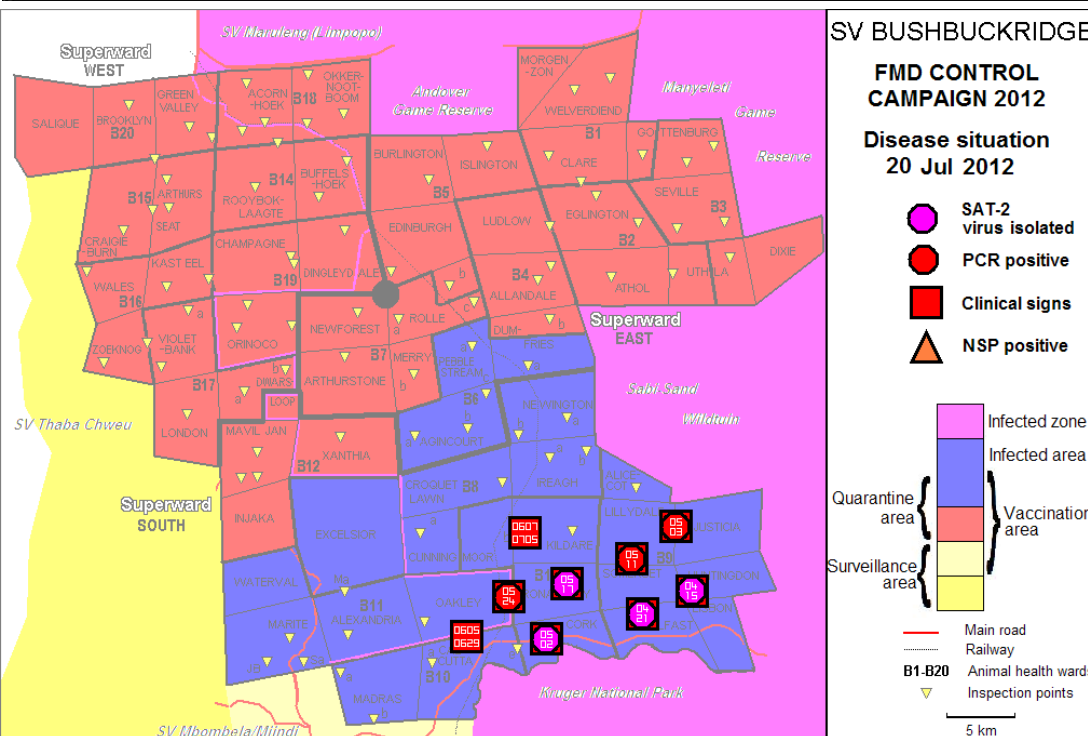
I hereby certify that all applicable control measures for issuing of this permit have been complied with.

Issuing Veterinary Official: _____ State Veterinarian / Staatsvetsarts / Dokotera weTilwane

Permit holder who does not comply with this permit or any condition thereof is guilty of an offence.
 Permitheer wat in styf nie hamba permit of enige voorwaardes daaronder oortre, is skuldig aan 'n misdief.
 Lontemumo kongandabala lemumo lumbe nuphi unbandede wego uphula umisela.

241
DATE STAMP

DISTRIBUTION: _____ VETERINARY OFFICIAL AT DESTINATION



4. FMD OUTBREAK CONTROL

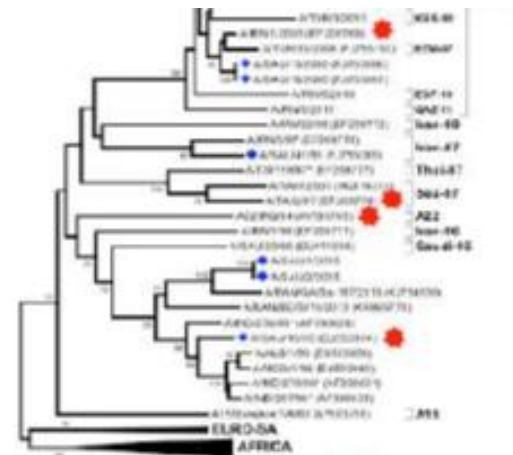
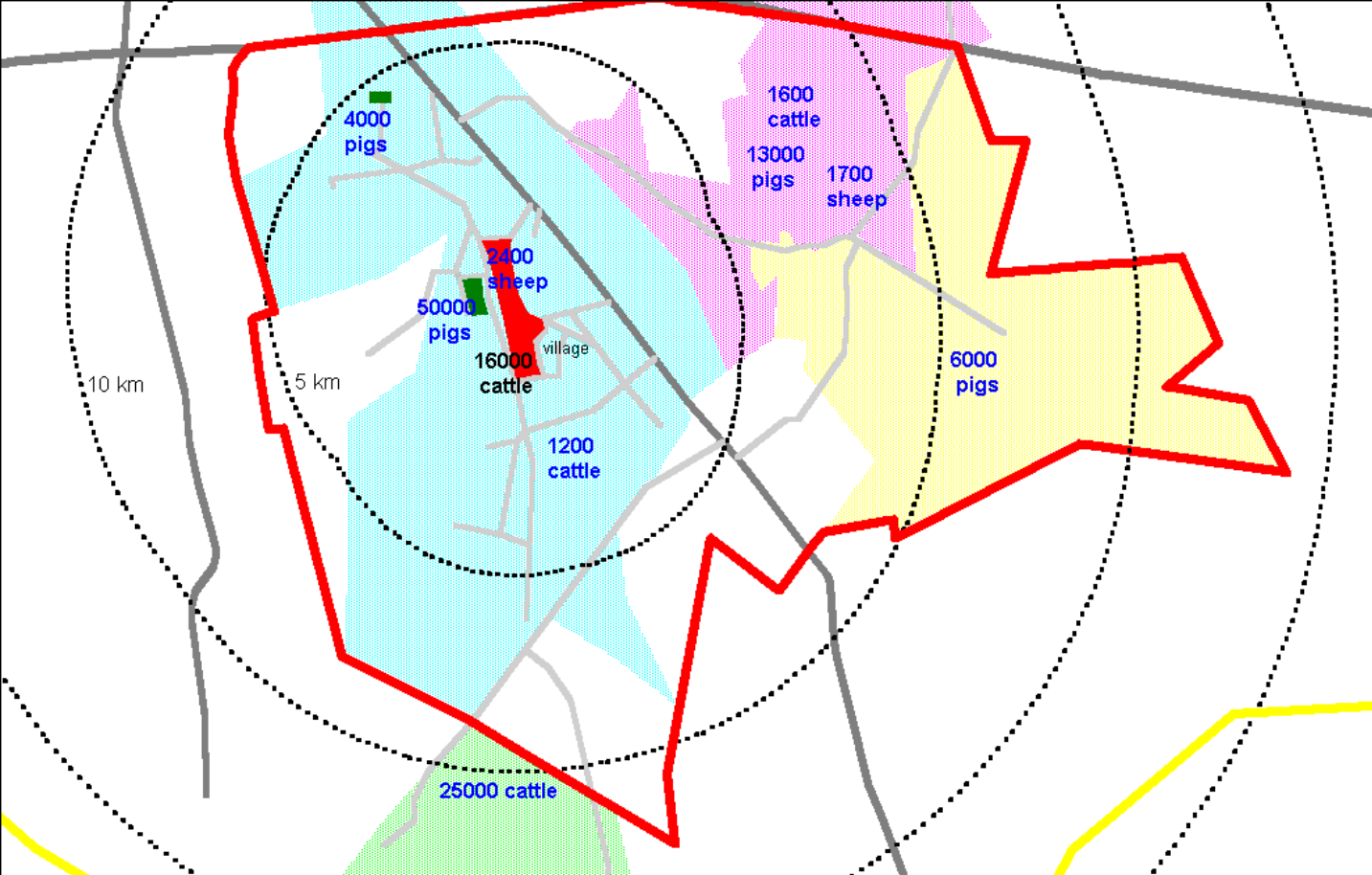
• Surveillance

- Census
- Clinical inspection
- Mouth examination
- Serological samples
- Virological samples
- Molecular epidemiology

• Clinical endpoint

• Controlled slaughter

- Carcass maturation
- Destruction/processing of head, feet, offal
- Deboning, deglanding
- Meat processing





4. FMD OUTBREAK CONTROL

- **Depopulation**
- **Retained animals**
- **Cleaning**
- **Disinfection**
- **Repopulation**
- **Quarantine cancellation**
- **Continued biosecurity**





Thank you!