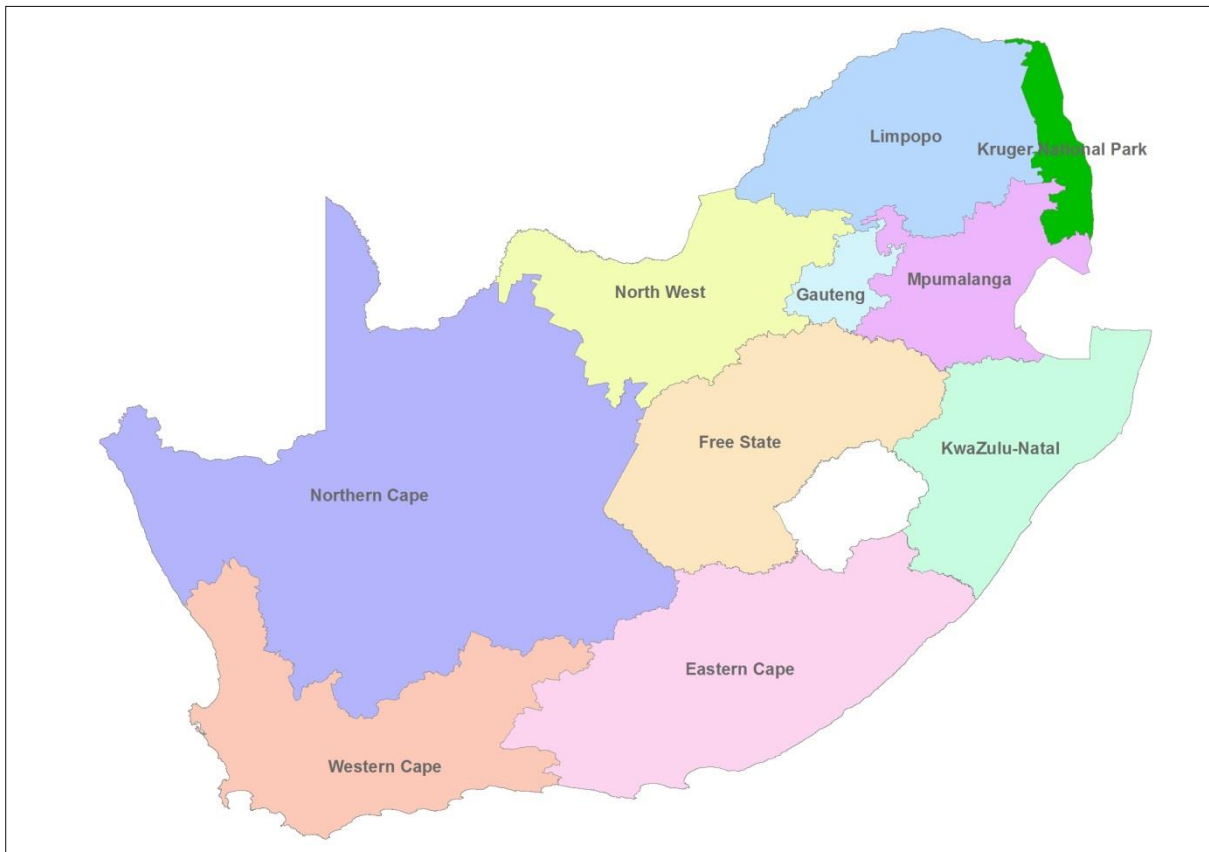


# Animal Disease Reporting for the month May 2015

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Sub-Directorate Epidemiology  
Directorate Animal Health  
08 September 2015

## Introduction

According to the Animal Diseases Act (Act 35 of 1984) Controlled and Notifiable Diseases must be reported to the local State Veterinarian. The local State Veterinarian compiles a monthly report on diseases that occurred in his/her State Vet Area and submits this report to the Provincial Director of Veterinary Services. At a Provincial level, all these reports are combined to compile a disease report for the province and this report is submitted to the Sub-Directorate Epidemiology in the Directorate Animal Health at the Department of Agriculture, Forestry and Fisheries. All the provincial reports are combined to compile a national disease report.

## Purpose of disease reporting

Reasons for disease reporting are:

- Proof of freedom
- Detection of outbreaks of important diseases
  - Prevent the spread of the disease
  - Institute control programs
  - Eradication of a disease
  - Warn neighbouring farmers/trade partners/neighbouring countries
  - Prevent the spread/occurrence of a disease in humans, e.g. rabies
  - Decrease the economic impact of a disease
  - Prevent spread of diseases to trading partners
- Disease control

## Summary Statistics of the May 2015 report

The following summary table has been compiled using simple count statistics

Total number of outbreak and vaccination reports (data lines)	2772
Total number of outbreaks	114
Total number of animals involved (cases)	1010
Total number of diseases involved in outbreaks	31
Total number of State Vet Areas that reported	87
Total number of Local Municipalities reported from	159
Total number of species involved in outbreaks	15

## Reported Disease Outbreaks

The following tables indicate the disease outbreaks reported by the Provincial Veterinary Services.

### Controlled Diseases

The following table indicates the reports of Controlled Diseases

	<b>Eastern Cape Province</b>	<b>Free State</b>	<b>Gauteng</b>	<b>Kruger National Park</b>	<b>KwaZulu-Natal</b>	<b>Limpopo</b>	<b>Mpumalanga</b>	<b>North West Province</b>	<b>Northern Cape Province</b>	<b>Western Cape Province</b>	<b>Total</b>
African Horse Sickness	5	0	8	0	1	0	0	3	0	1	18
Anthrax	0	0	0	1	0	0	0	0	0	0	1
Bovine Brucellosis (Brucella abortus )	1	0	2	0	0	0	2	16	0	0	21
Bovine Tuberculosis (Mycobacterium bovis)	0	0	0	0	0	0	2	0	1	0	3
Brucella Ovis Infection (Ovine Epididymitis)	0	1	0	0	0	0	0	0	2	0	3
Corridor Disease	0	0	0	0	0	0	1	0	0	0	1
Newcastle Disease	2	0	0	0	0	0	0	0	1	0	3
Paratuberculosis (Johne's Disease)	0	0	0	0	0	0	0	0	0	2	2
Rabies	1	3	1	0	5	1	6	0	2	0	19
Sheep Scab	2	0	0	0	0	0	0	0	9	0	11
<b>Total</b>	<b>11</b>	<b>4</b>	<b>11</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>11</b>	<b>19</b>	<b>15</b>	<b>3</b>	<b>82</b>

## Notifiable diseases

The following table indicates the reports of Notifiable diseases

	<b>Eastern Cape Province</b>	<b>Free State</b>	<b>Gauteng</b>	<b>Kruger National Park</b>	<b>KwaZulu-Natal</b>	<b>Limpopo</b>	<b>Mpumalanga</b>	<b>North West Province</b>	<b>Northern Cape Province</b>	<b>Western Cape Province</b>	<b>Total</b>
Bluetongue	0	0	0	0	0	0	0	0	0	2	2
Bovine Malignant Catarrhal fever	0	0	0	0	0	0	0	1	1	0	2
Lumpy Skin Disease	0	0	0	0	0	1	0	1	0	0	2
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>6</b>

## Other diseases

The following table indicates the reports of diseases that are not Controlled or Notifiable. Reporting of these diseases are not compulsory.

	<b>Eastern Cape Province</b>	<b>Free State</b>	<b>Gauteng</b>	<b>Kruger National Park</b>	<b>KwaZulu-Natal</b>	<b>Limpopo</b>	<b>Mpumalanga</b>	<b>North West Province</b>	<b>Northern Cape Province</b>	<b>Western Cape Province</b>	<b>Total</b>
Anaplasmosis	2	0	0	0	0	0	0	1	0	0	3
Babesiosis (Redwater)	1	0	0	0	0	0	0	1	0	1	3
Blackleg (Sponssiekte)	0	0	0	0	0	1	1	0	0	0	2
Bovine ephemeral fever / Three day stiffness	0	0	0	0	0	0	0	0	0	1	1

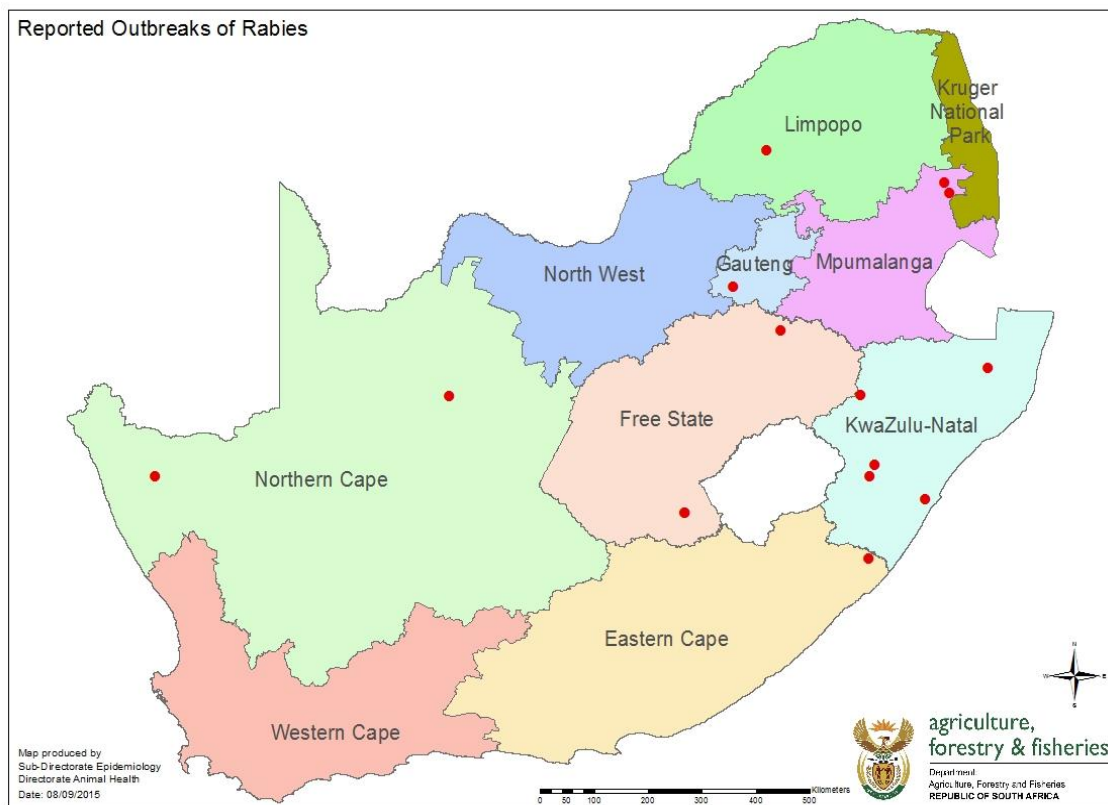
	<b>Eastern Cape Province</b>	<b>Free State</b>	<b>Gauteng</b>	<b>Kruger National Park</b>	<b>KwaZulu-Natal</b>	<b>Limpopo</b>	<b>Mpumalanga</b>	<b>North West Province</b>	<b>Northern Cape Province</b>	<b>Western Cape Province</b>	<b>Total</b>
Canine brucellosis	1	0	0	0	0	0	0	0	0	0	1
Canine Distemper	0	0	0	0	0	0	0	0	1	1	2
Contagious Pustular Dermatitis	0	0	0	0	0	0	0	0	0	1	1
Cysticercosis (Cysticercus bovis)	0	0	0	0	0	0	0	4	0	0	4
Enterotoxaemia	0	0	0	0	0	0	0	0	0	1	1
Heartwater	1	0	0	0	0	2	0	0	0	0	3
Mastitis	1	0	0	0	0	1	0	0	0	0	2
Old World Screwworm (Chrysomya Bezziana)	1	0	0	0	0	0	0	0	0	0	1
Other Clostridial Infections	0	0	0	0	0	0	0	0	1	0	1
Sarcoptic Mange	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>26</b>

## Information and maps of Specific Diseases

### Rabies

The following table indicates the number of reported rabies outbreaks per province

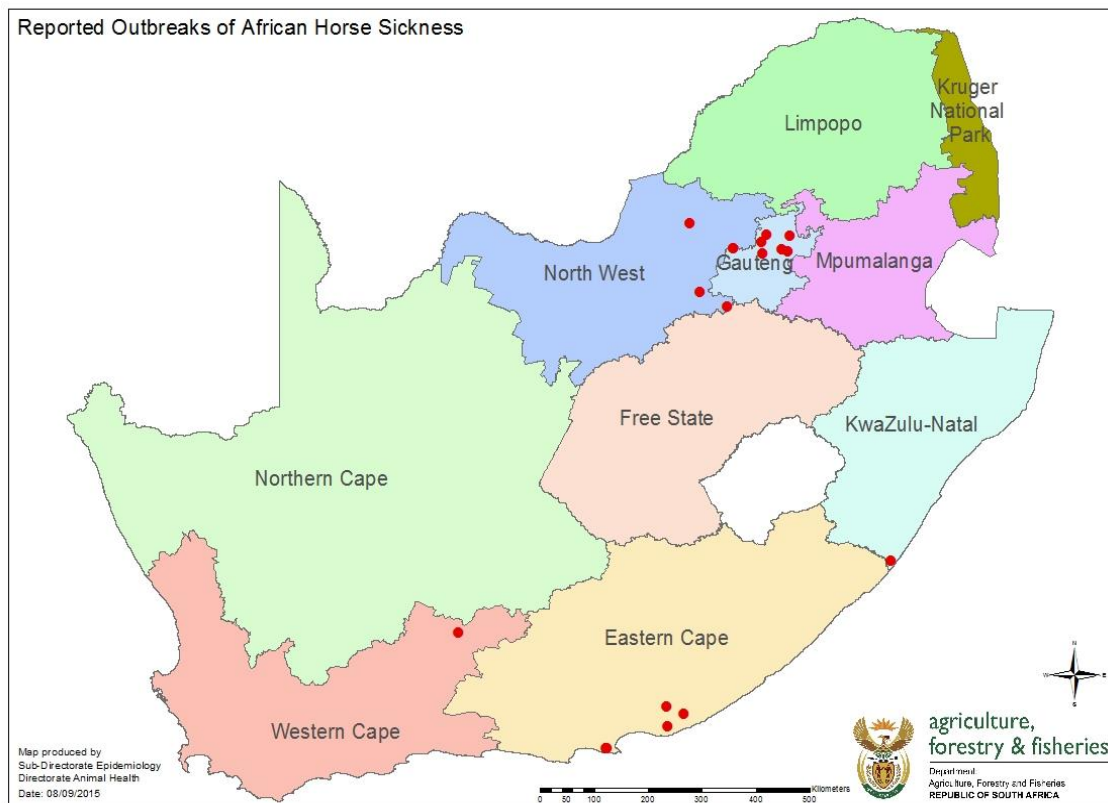
Province	Number of reported outbreaks
Eastern Cape Province	1
Free State	3
Gauteng	1
KwaZulu-Natal	5
Limpopo	1
Mpumalanga	6
Northern Cape Province	2



## African Horse Sickness

The following table indicates the number of reported AHS outbreaks per province

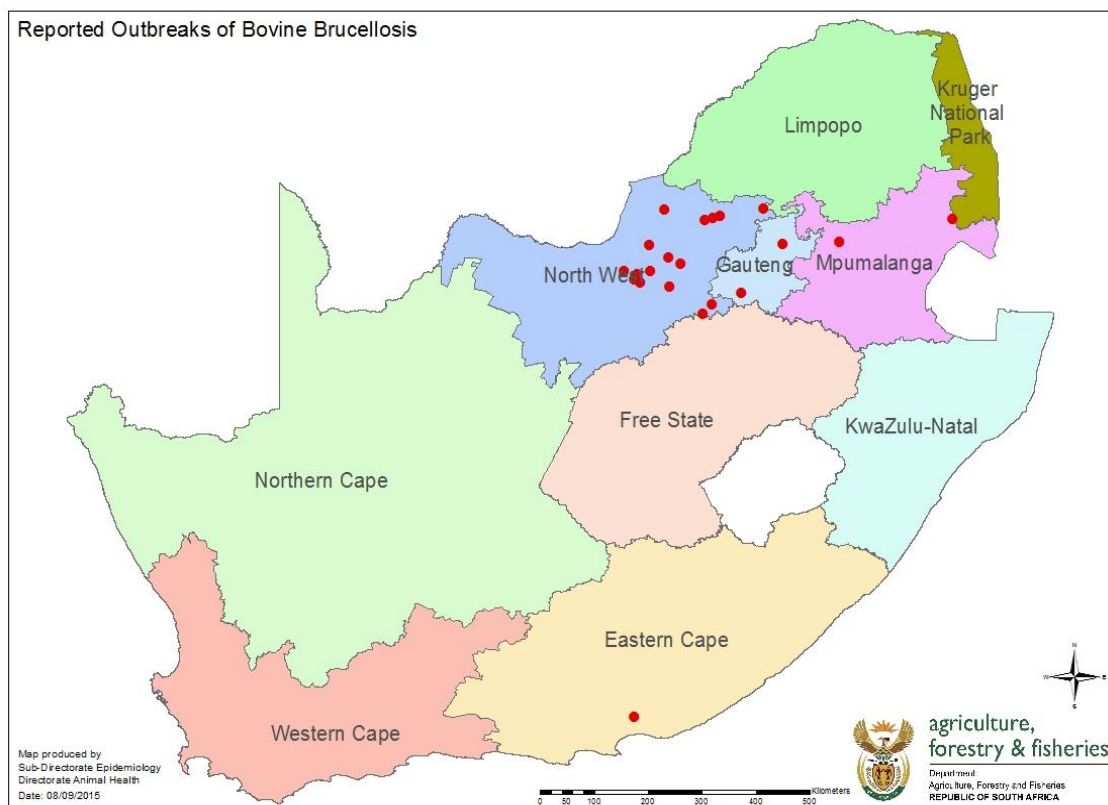
Province	Number of reported outbreaks
Eastern Cape Province	5
Gauteng	8
KwaZulu-Natal	1
North West Province	3
Western Cape Province	1



## Bovine Brucellosis

The following table indicates the number of reported Bovine Brucellosis outbreaks per province

Province	Number of reported outbreaks
Eastern Cape Province	1
Gauteng	2
Mpumalanga	2
North West Province	16

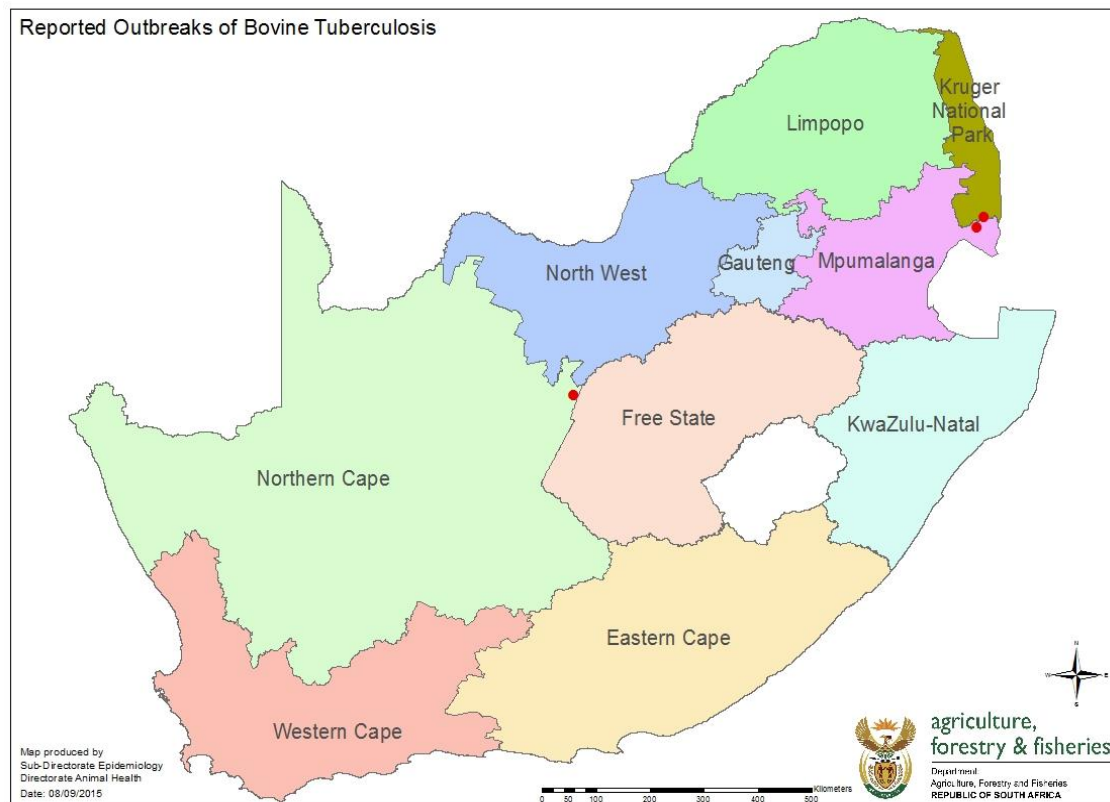




## Bovine Tuberculosis

The following table indicates the number of reported Bovine Tuberculosis outbreaks per province

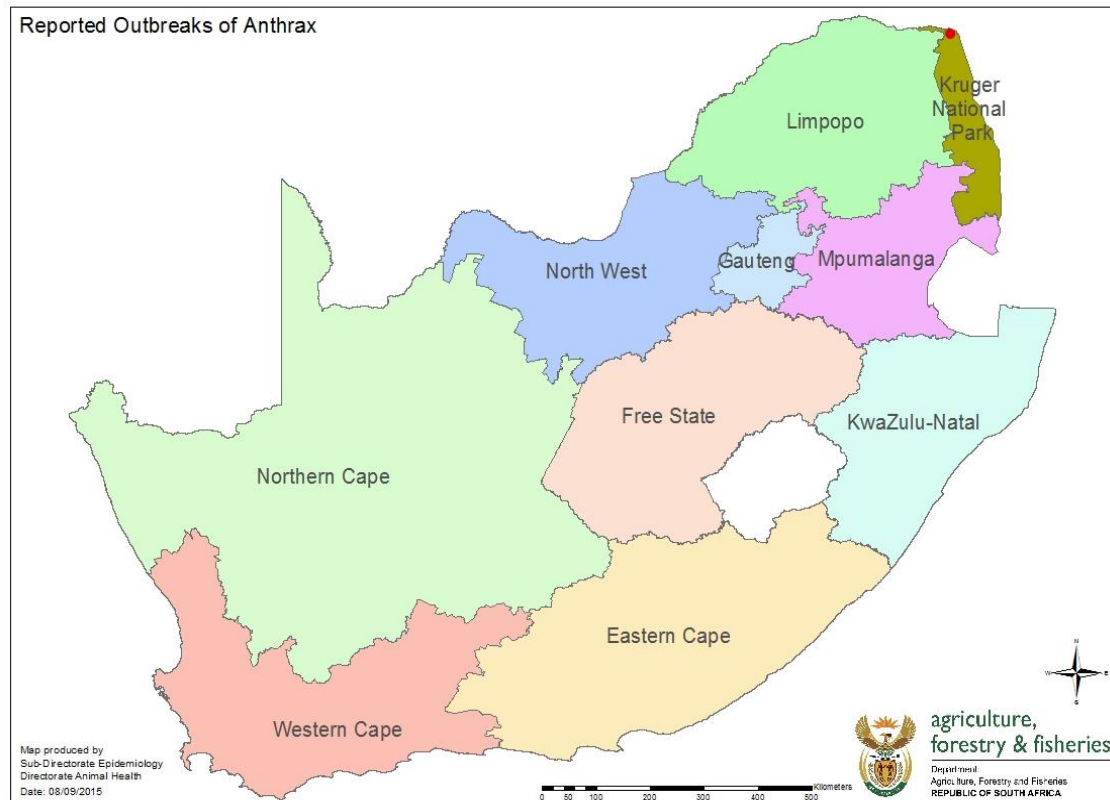
Province	Number of reported outbreaks
Mpumalanga	2
Northern Cape Province	1



## Anthrax

The following table indicates the number of reported Anthrax outbreaks per province

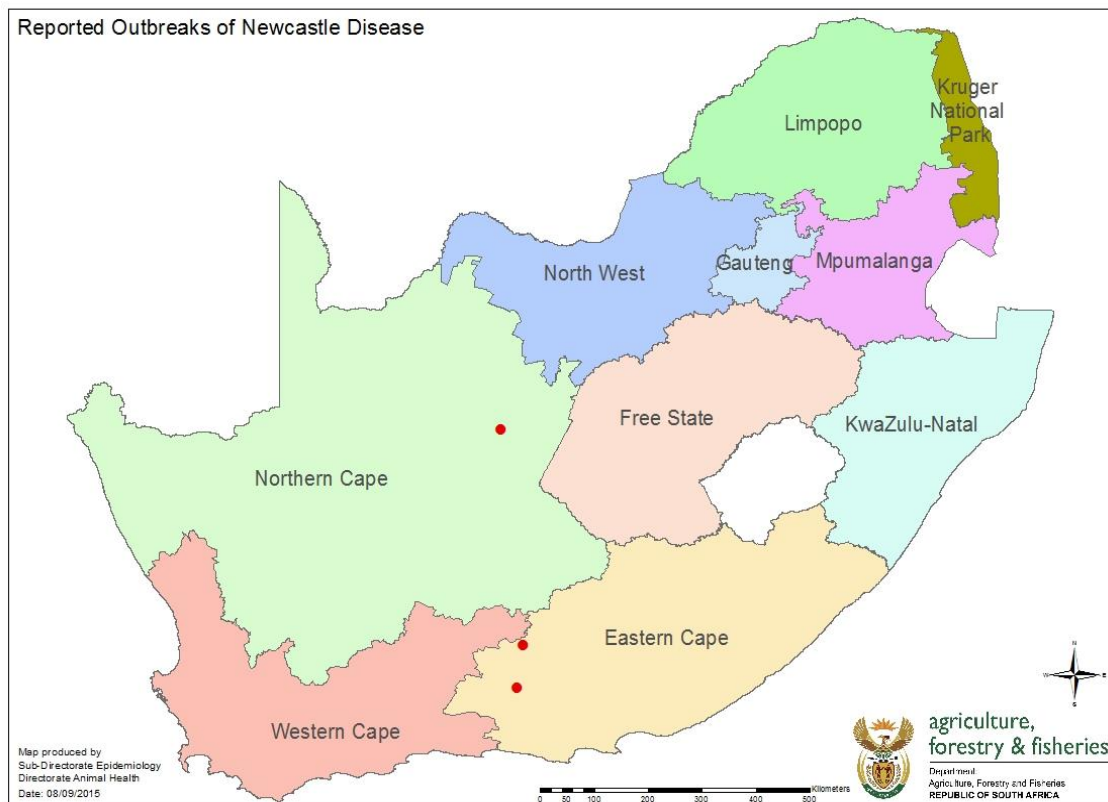
Province	Number of reported outbreaks
Kruger National Park	1



## Newcastle Disease

The following table indicates the number of reported Newcastle outbreaks per province

Province	Number of reported outbreaks
Eastern Cape Province	2
Northern Cape Province	1



## Analysis of reporting

### Number of reports received

The following table indicates the number of data lines (outbreaks and vaccinations) received from each province

<b>Province</b>	<b>Number of Reports</b>
Eastern Cape Province	864
Free State	17
Gauteng	40
Kruger National Park	2
KwaZulu-Natal	213
Limpopo	176
Mpumalanga	412
North West Province	389
Northern Cape Province	233
Western Cape Province	426

### Number of State Vet Areas reported

The following table indicates the number of State Vet Areas per province that reports were received from (NULL reports excluded).

<b>Province</b>	<b>Number of SV areas in province</b>	<b>Number of SV areas that reported</b>
Eastern Cape Province	25	22
Free State	10	4
Gauteng	3	3
Kruger National Park	1	1
KwaZulu-Natal	11	10
Limpopo	25	8
Mpumalanga	12	9
North West Province	20	16
Northern Cape Province	7	7
Western Cape Province	7	7

## Disclaimer

Please take note that this report was automatically compiled using R, R-Studio, several R packages and the South African Animal Health Information System (SAAHIS). Any errors in the data will be copied verbatim into this report.

The data in this report only reflects reports received from the Provincial Veterinary Services and the data was not collected for the purposes of research. Any interpretation of this data should be done with full consideration of the situation on the ground and South Africa's Disease Reporting System.

For further details please contact the Sub-Directorate Epidemiology, Directorate Animal Health ([Epidemiology@daff.gov.za](mailto:Epidemiology@daff.gov.za)).

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