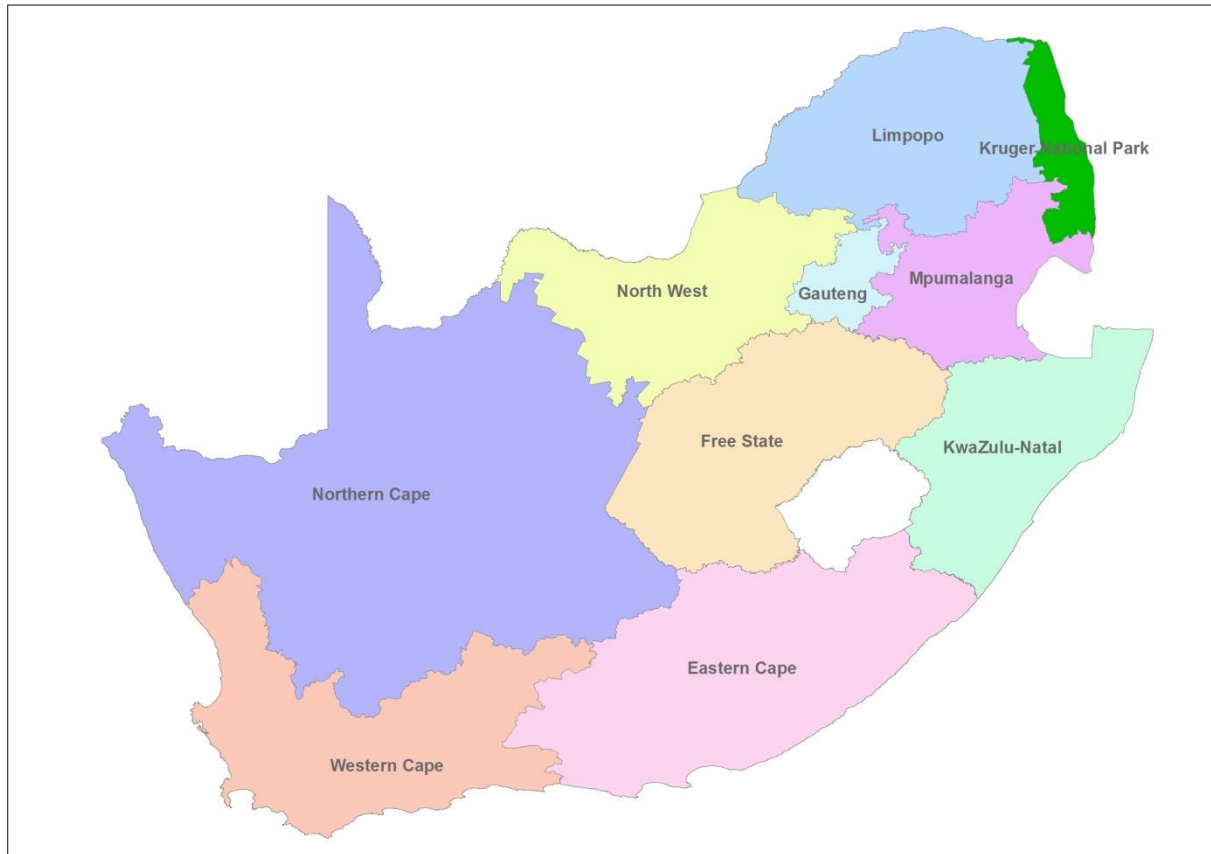


Animal Disease Reporting for the month July 2017



Sub-Directorate Epidemiology
Directorate Animal Health
01 November 2017

Introduction

According to the Animal Diseases Act, 1984 (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 July 2017 report

The following summary table has been compiled using simple count statistics

Total number of outbreak and vaccination reports (data lines)	3252
Total number of outbreaks	116
Total number of animals involved (cases)	6400
Total number of diseases involved in outbreaks	41
Total number of State Vet Areas that reported	110
Total number of Local Municipalities reported from	182
Total number of species involved in outbreaks	21

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

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
African Swine Fever	0	0	0	0	0	1	0	0	0	0	1
Anthrax	0	0	0	1	0	0	0	0	0	0	1
Avian Influenza: H6	0	0	0	0	0	0	0	0	0	1	1
Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	0	0	4	0	0	0	4	0	0	0	8
Avian Influenza: Low Pathogenic : Other	0	0	0	0	0	0	0	0	1	3	4
Bovine Brucellosis (Brucella abortus)	1	6	1	0	0	0	0	3	0	0	11
Bovine Tuberculosis (Mycobacterium bovis)	0	0	0	1	1	0	0	0	0	0	2
Newcastle Disease	0	0	0	0	0	1	0	0	0	2	3
Rabies	5	2	0	0	5	1	0	1	5	2	21
Salmonella enteritidis	0	0	1	0	0	0	0	3	0	0	4
Sheep Scab	0	6	0	0	0	0	0	0	1	0	7
Total	6	15	6	2	6	3	4	7	7	8	63

Notifiable diseases

The following table indicates the reports of Notifiable diseases

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Bluetongue	0	0	2	0	0	0	0	0	0	0	2
Bovine Malignant Catarrhal fever	0	2	1	0	0	0	0	2	0	0	5
Lumpy Skin Disease	0	0	3	0	0	0	0	0	0	0	3
Total	0	2	6	0	0	0	0	2	0	0	10

Other diseases

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

	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Anaplasmosis	0	2	0	0	0	0	0	2	0	0	4
Babesiosis (Redwater)	3	0	0	0	0	0	0	3	0	0	6
Botulism	0	0	0	0	0	1	0	0	0	0	1
Canine Babesiosis	0	1	0	0	0	0	0	0	0	1	2
Canine Distemper	2	0	0	0	0	0	0	0	0	1	3
Cysticercosis (Cysticercus bovis)	0	0	0	0	0	0	0	7	0	0	7
Cysticercosis (Cysticercus cellulosae)	0	0	0	1	0	0	0	0	0	0	1
Enterotoxaemia	0	0	0	0	0	0	0	0	0	1	1
Enzootic Bovine Leukosis	0	1	0	0	0	0	0	0	0	0	1
Heartwater	1	0	0	0	0	3	0	1	0	0	5
Listeriosis	0	0	0	0	0	0	0	0	0	1	1
Other Clostridial Infections	0	1	0	0	0	0	0	0	0	1	2
Pigeon Paramixovirus	0	0	0	1	0	1	0	0	0	0	2

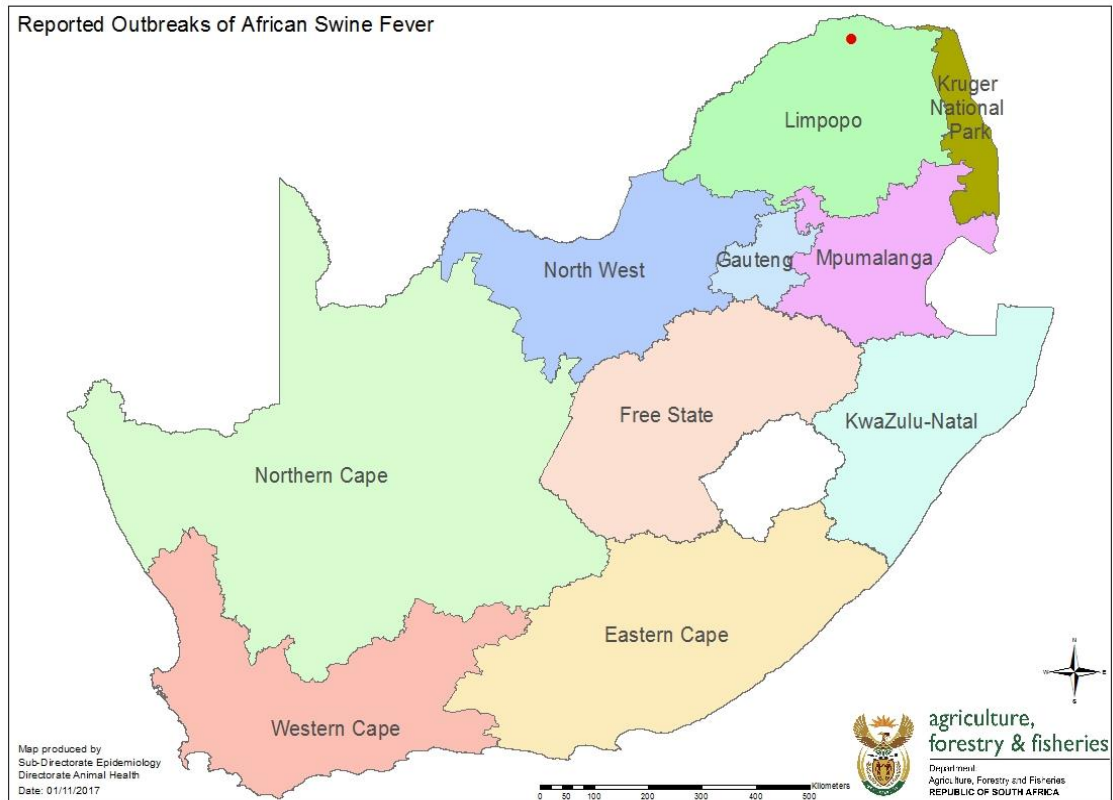
	Eastern Cape Province	Free State	Gauteng	Kruger National Park	KwaZulu-Natal	Limpopo	Mpumalanga	North West Province	Northern Cape Province	Western Cape Province	Total
Sarcoptic Mange	0	0	0	1	0	0	0	0	0	1	2
Trichomonosis	0	4	0	0	0	0	0	0	0	0	4
West Nile Fever	1	0	0	0	0	0	0	0	0	0	1
Total	7	9	0	3	0	5	0	13	0	6	43

Information and maps of Specific Diseases

African swine fever (ASF)

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

Province	Number of reported outbreaks
Limpopo	1



Avian Influenza

On 2 June 2017, Zimbabwe announced an outbreak of highly pathogenic avian influenza (HPAI) H5N8. On 19 June 2017, the first case of HPAI was confirmed in a broiler breeder operation near Villiers, Mpumalanga. Since the index case, a number of other poultry operations, as well as wild bird species, have subsequently also been infected with HPAI.

Depopulation of the affected farms is almost completed. All waste materials are dealt with by composting or controlled burial on the premises with permission from the relevant authorities.

Forward tracing was done and eggs from the affected farms were destroyed. A system was developed in conjunction with the Poultry Disease Management Agency (PDMA) to allow for better traceability and control over the movement of live chickens.

Export certification for chickens and chicken products from registered HPAI free compartments is supported by the veterinary services, provided the trade partner has no objection.

The H5N8 virus is not known to be zoonotic.

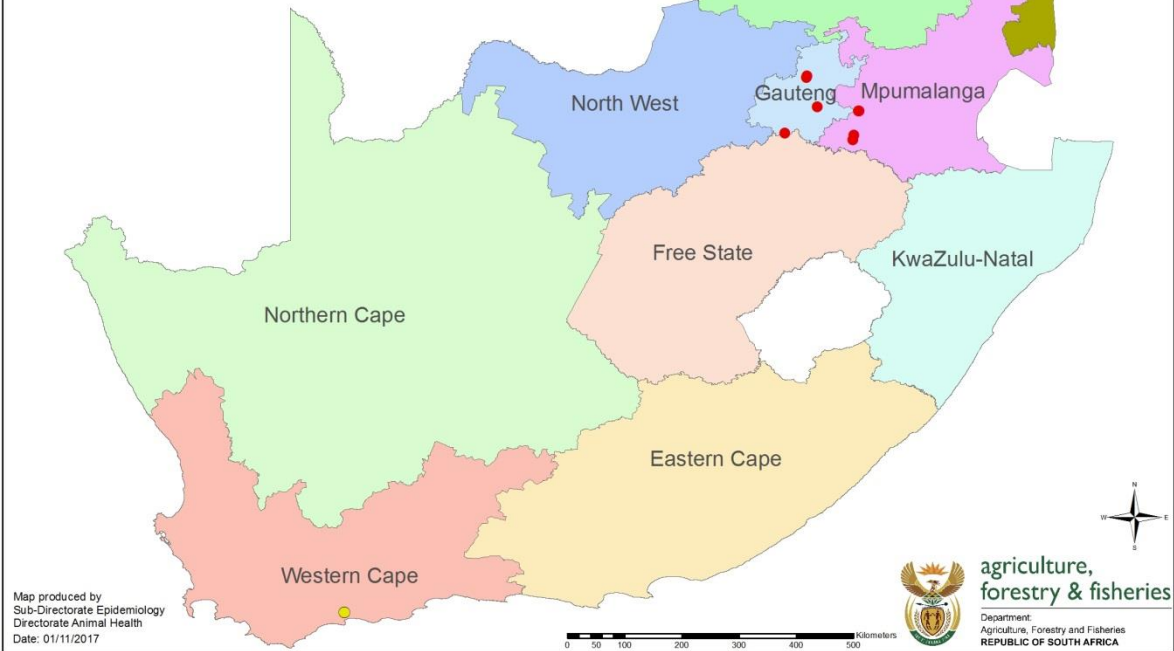
The recently detected outbreaks bring the total number of outbreaks to ten: four outbreaks in commercial chickens, three outbreaks in wild birds, one outbreak in birds that were kept as a hobby and two outbreaks in backyard poultry. The following table indicates the number of reported Avian Influenza outbreaks per province

Province	Avian Influenza Strain	Number of reported outbreaks
Western Cape Province	Avian Influenza: H6	1
Gauteng	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	4
Mpumalanga	Avian Influenza: Highly Pathogenic: All HP, H5 And H7 / Fowl Plague	4

Reported Outbreaks of Avian Influenza

Legend

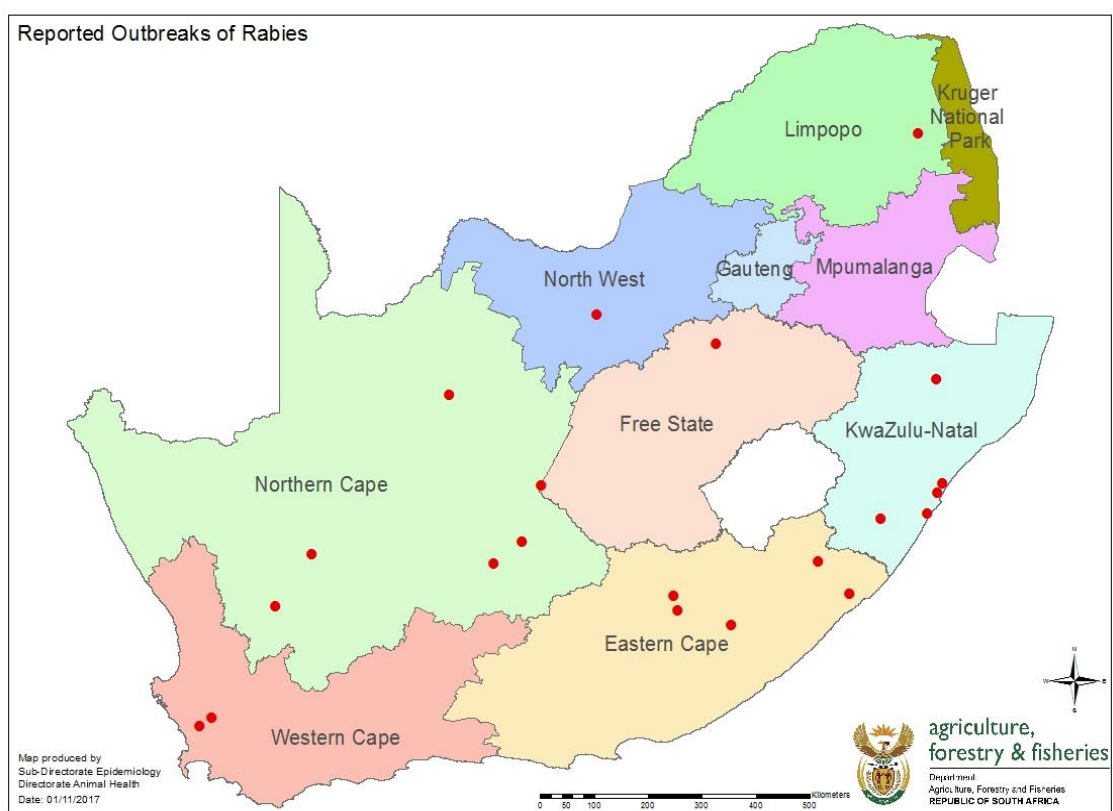
- Avian Influenza: Highly Pathogenic H5N8
- Avian Influenza: H6



Rabies

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

Province	Number of reported outbreaks
Eastern Cape Province	5
Free State	2
KwaZulu-Natal	5
Limpopo	1
North West Province	1
Northern Cape Province	5
Western Cape Province	2



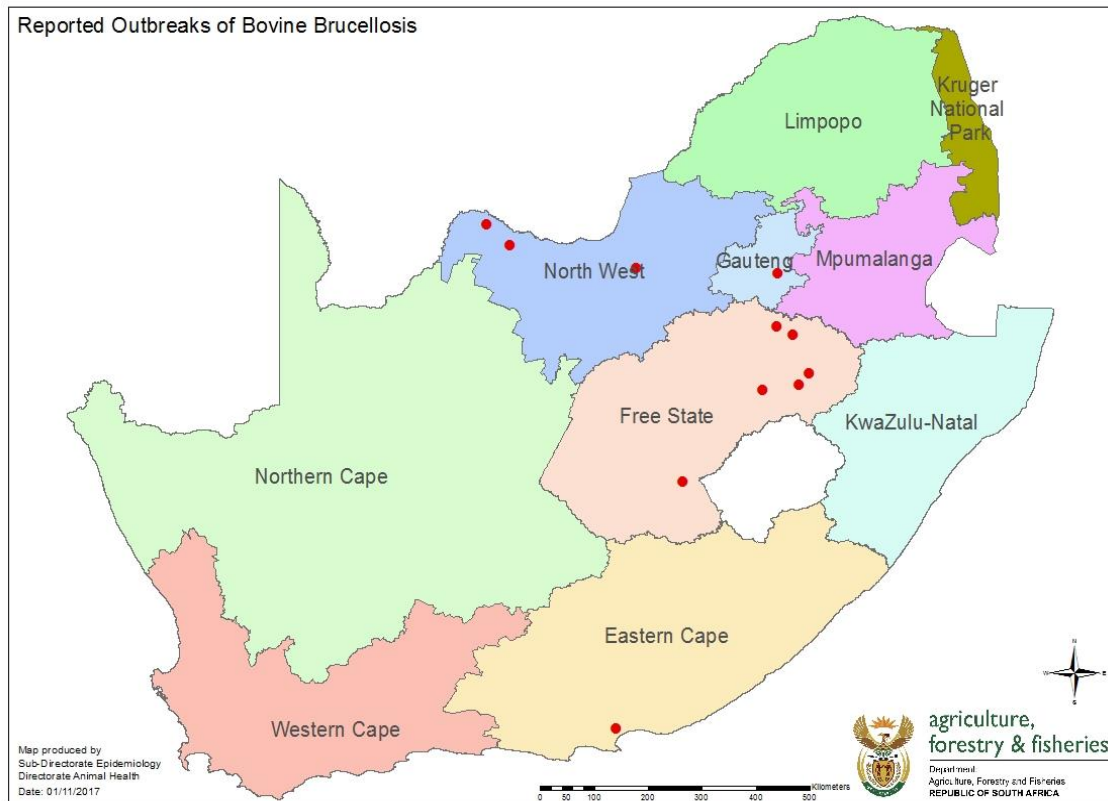
African Horse Sickness

No outbreaks of AHS were reported during this month.

Bovine Brucellosis

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

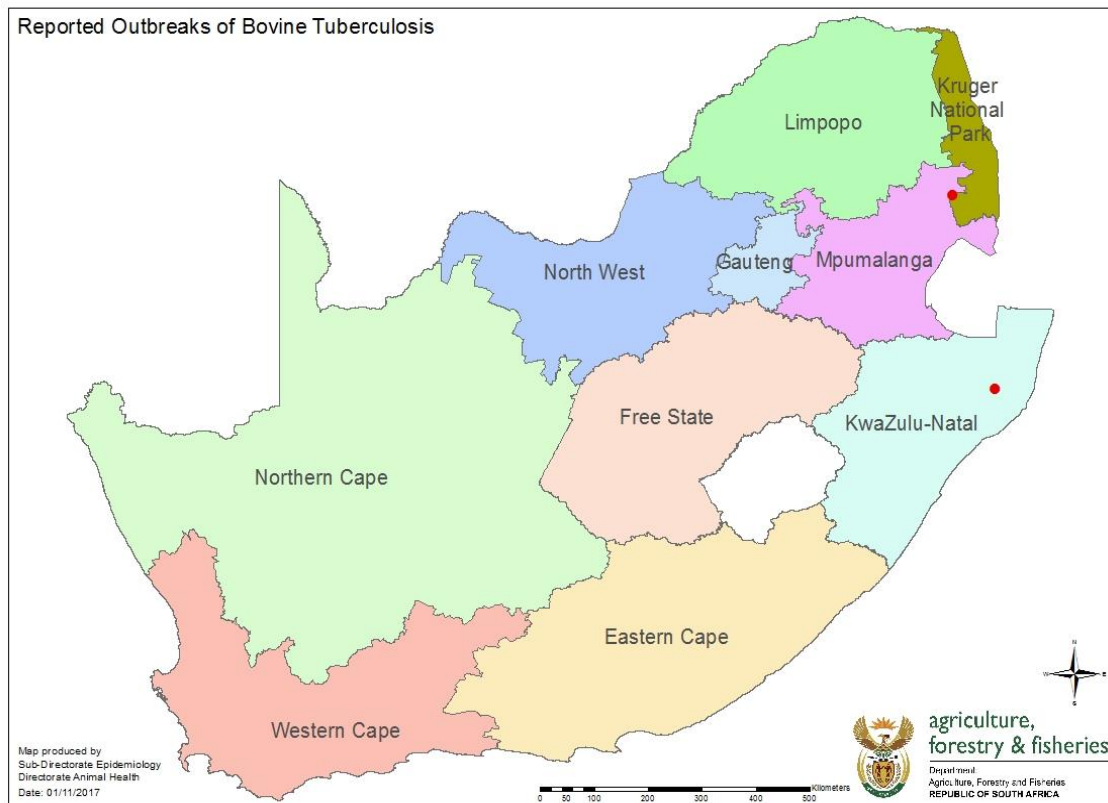
Province	Number of reported outbreaks
Eastern Cape Province	1
Free State	6
Gauteng	1
North West Province	3



Bovine Tuberculosis

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

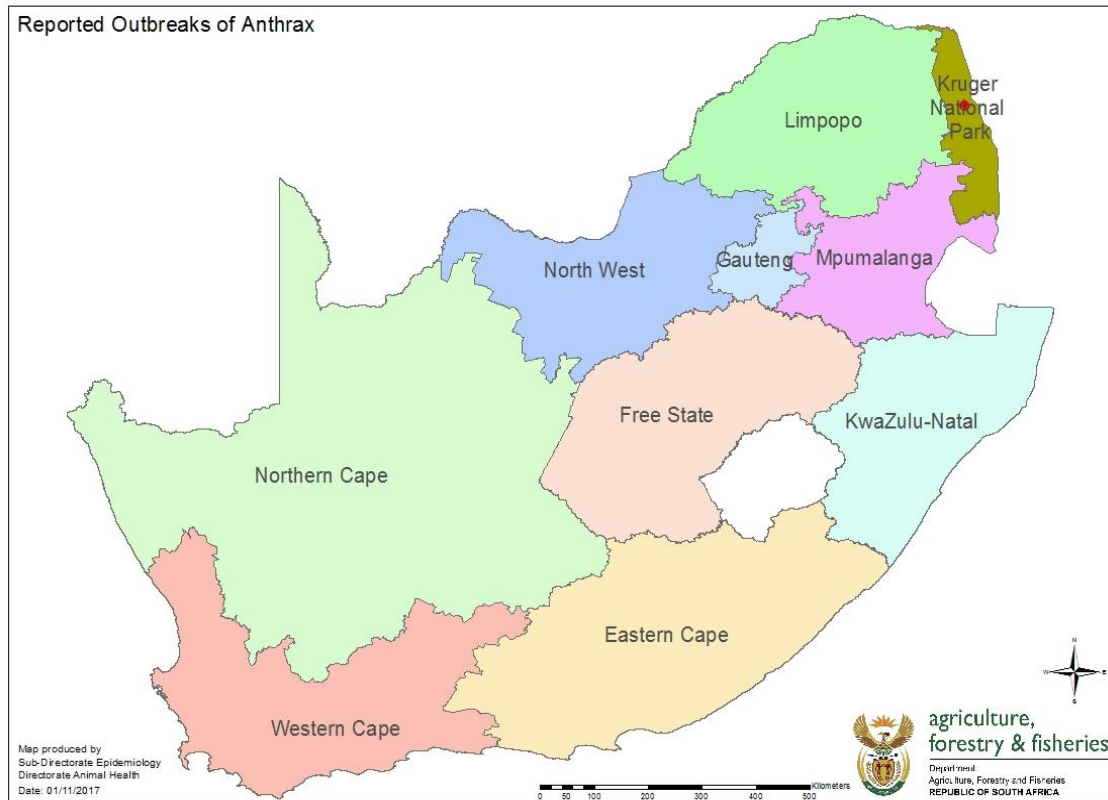
Province	Number of reported outbreaks
Kruger National Park	1
KwaZulu-Natal	1



Anthrax

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

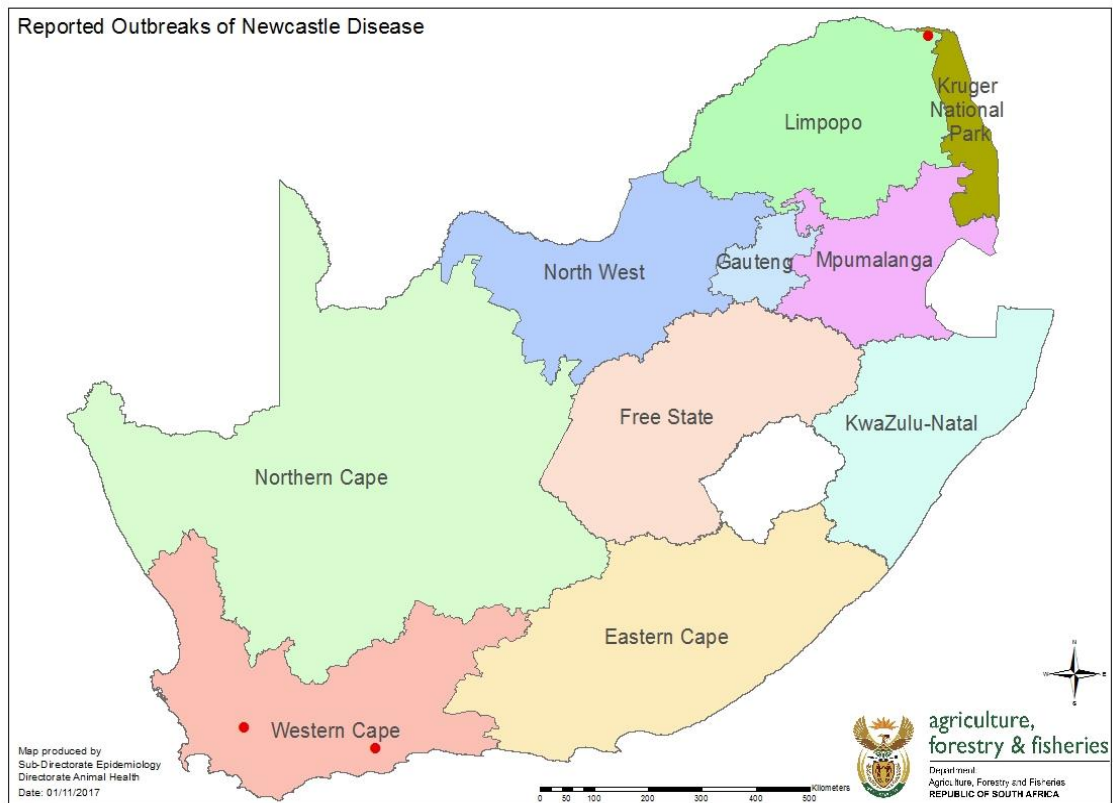
Province	Number of reported outbreaks
Kruger National Park	1



Newcastle Disease

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

Province	Number of reported outbreaks
Limpopo	1
Western Cape Province	2



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).

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