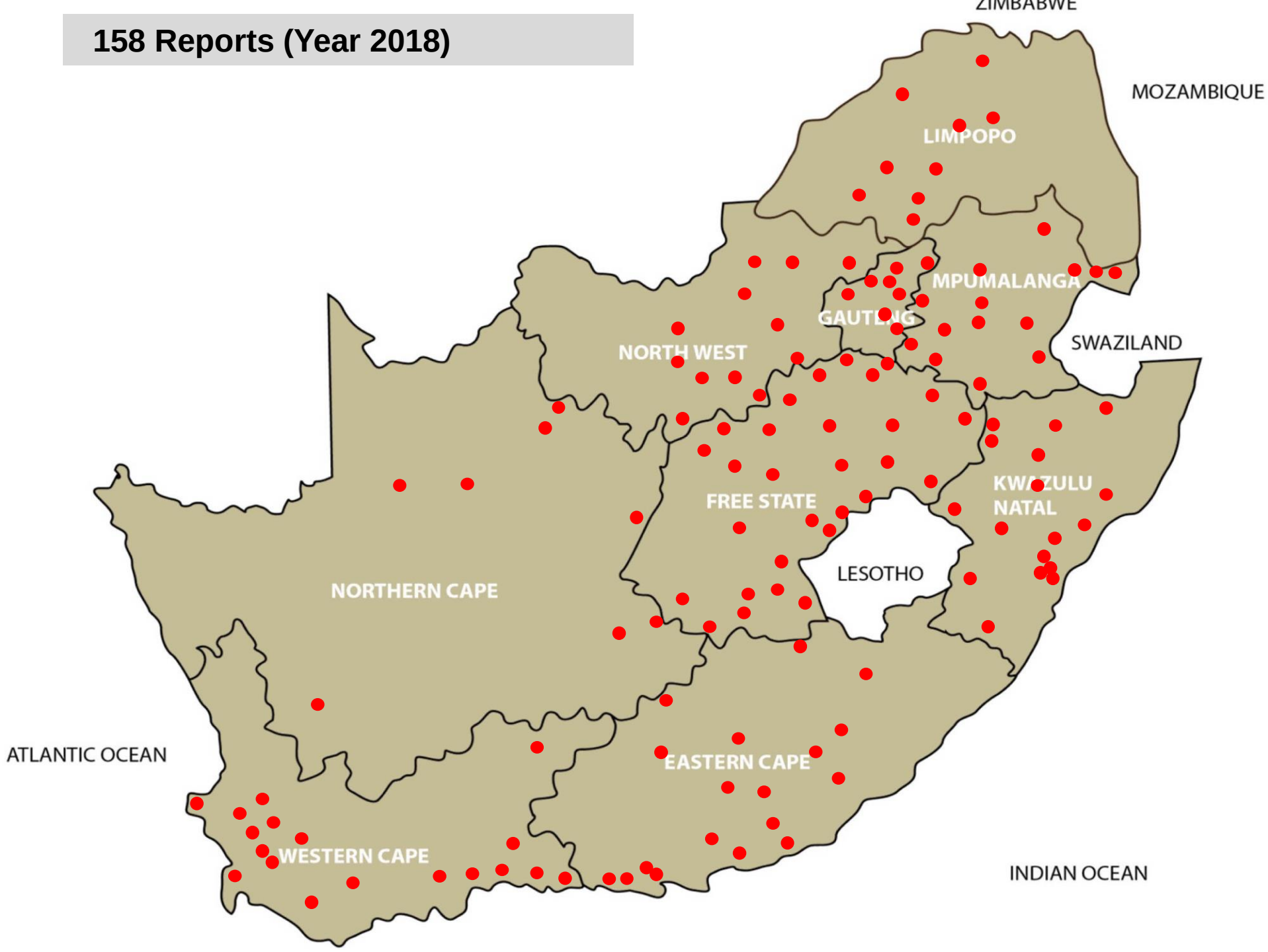


158 Reports (Year 2018)



Private practices participating in disease reporting

Free State (31)

Bethlehem – Drs. Strydom and Strydom

Bethlehem – Dr. J. C. Du Plessis

Bloemfontein - Dr. Stephan Wessels

Bothaville – Dr. Johan Blaauw

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior – Dr. Desre Nel

Ficksburg – Drs. Kotze and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Gariep Dam – Dr. Marni Malan

Harrismith - Drs. Pretorius and Slabber

Hertzogville – Dr. Nico Hendrikz

Hoopstad - Dr. Kobus Pretorius

Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt

Ladybrand - Dr. Anne de Vos

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Reitz – Dr. Schabert Froneman

Senekal – Dr. Jan Blignaut

Smithfield – Dr. Nienke van Hasselt

Trompsburg/Springfontein – Dr. Wyn Irwin

Viljoenskroon - Dr. Johan Kahts

Villiers - Drs. Hattingh and Hauptfleisch

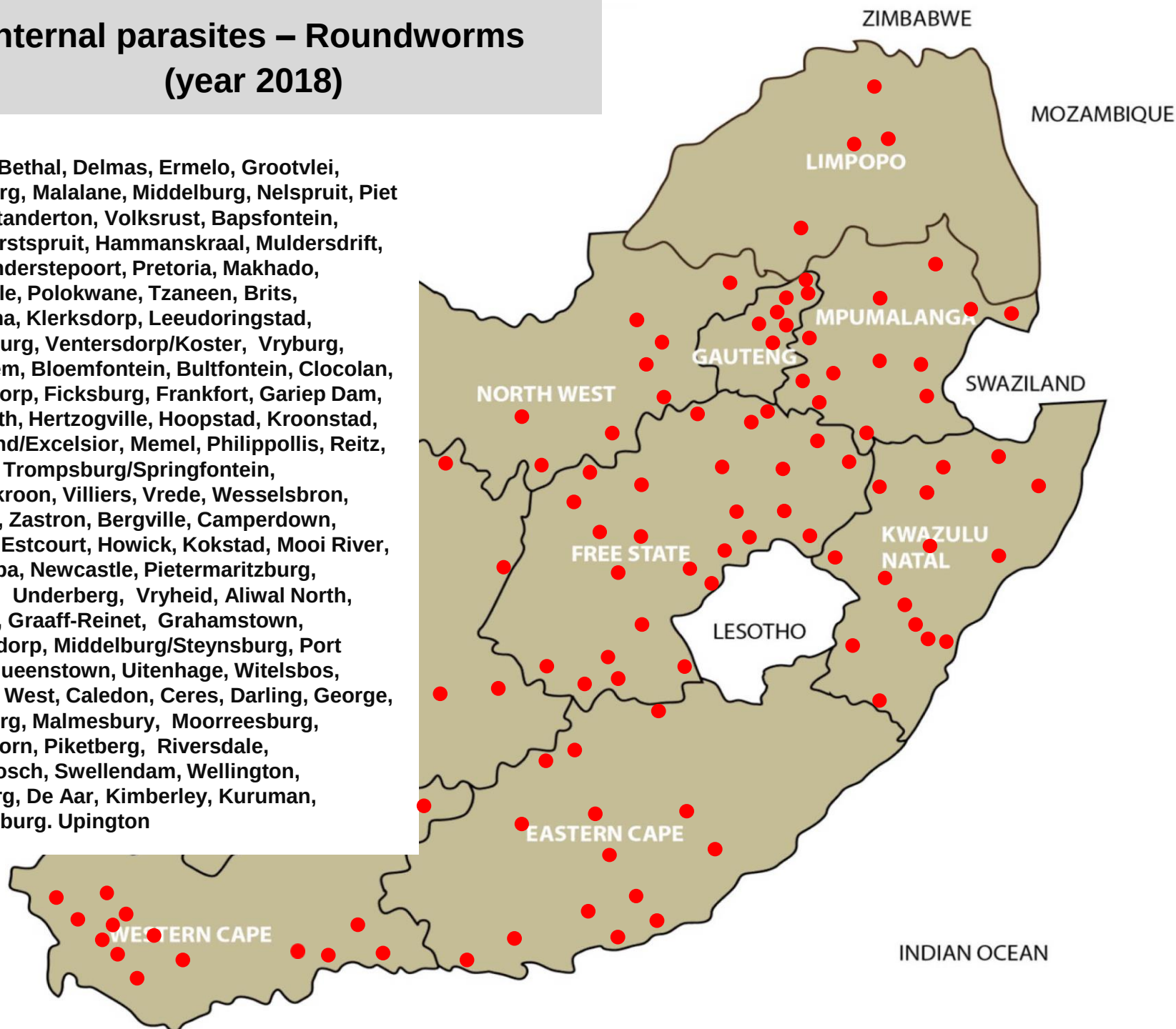
Vrede – Drs. Myburgh, Bester-Cloete and Fourie

Vrede – Dr. Rudolph Fourie

Wesselsbron – Dr. Johan Jacobs

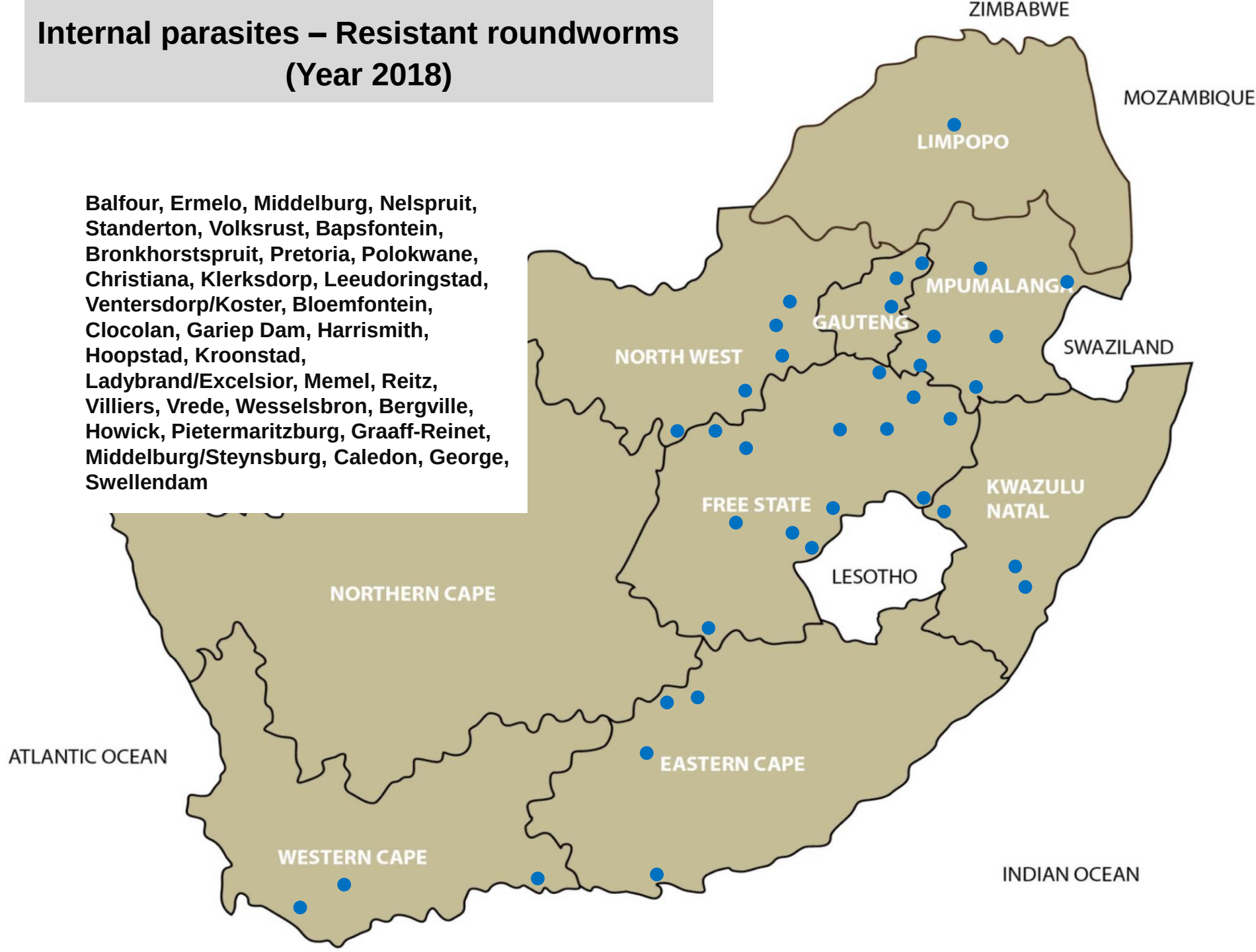
Internal parasites – Roundworms (year 2018)

Balfour, Bethal, Delmas, Ermelo, Grootvlei, Lydenburg, Malalane, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Muldersdrift, Nigel, Onderstepoort, Pretoria, Makhado, Modimolle, Polokwane, Tzaneen, Brits, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Ventersdorp/Koster, Vryburg, Bethlehem, Bloemfontein, Bultfontein, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Gariiep Dam, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Philippolis, Reitz, Senekal, Trompsburg/Springfontein, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Camperdown, Dundee, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Aliwal North, Cradock, Graaff-Reinet, Grahamstown, Humansdorp, Middelburg/Steynsburg, Port Alfred, Queenstown, Uitenhage, Witelsbos, Beaufort West, Caledon, Ceres, Darling, George, Heidelberg, Malmesbury, Moorreesburg, Oudtshoorn, Piketberg, Riversdale, Stellenbosch, Swellendam, Wellington, Colesberg, De Aar, Kimberley, Kuruman, Postmasburg. Upington



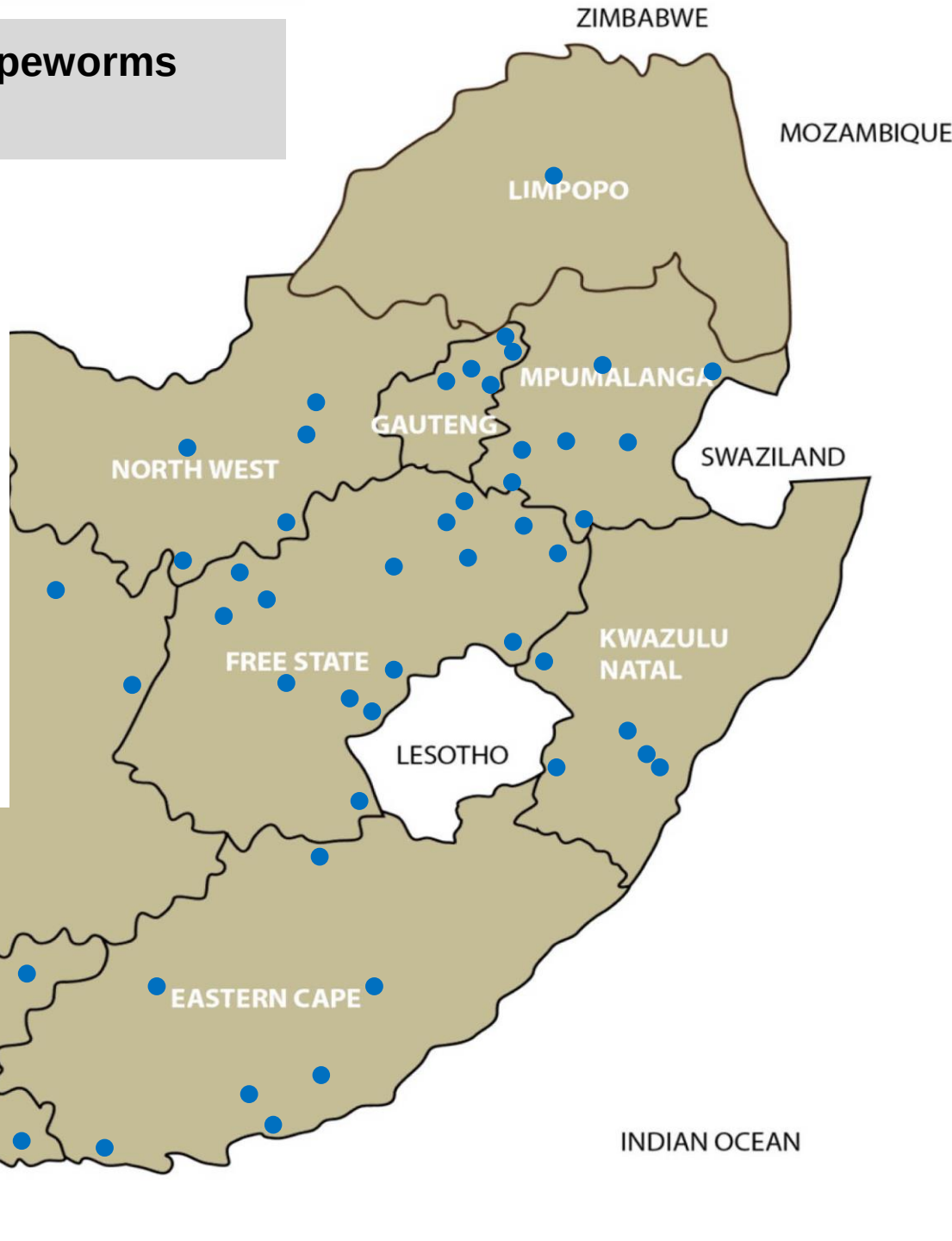
Internal parasites – Resistant roundworms (Year 2018)

Balfour, Ermelo, Middelburg, Nelspruit, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Pretoria, Polokwane, Christiana, Klerksdorp, Leeudoringstad, Ventersdorp/Koster, Bloemfontein, Clocolan, Gariiep Dam, Harrismith, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Reitz, Villiers, Vrede, Wesselsbron, Bergville, Howick, Pietermaritzburg, Graaff-Reinet, Middelburg/Steynsburg, Caledon, George, Swellendam



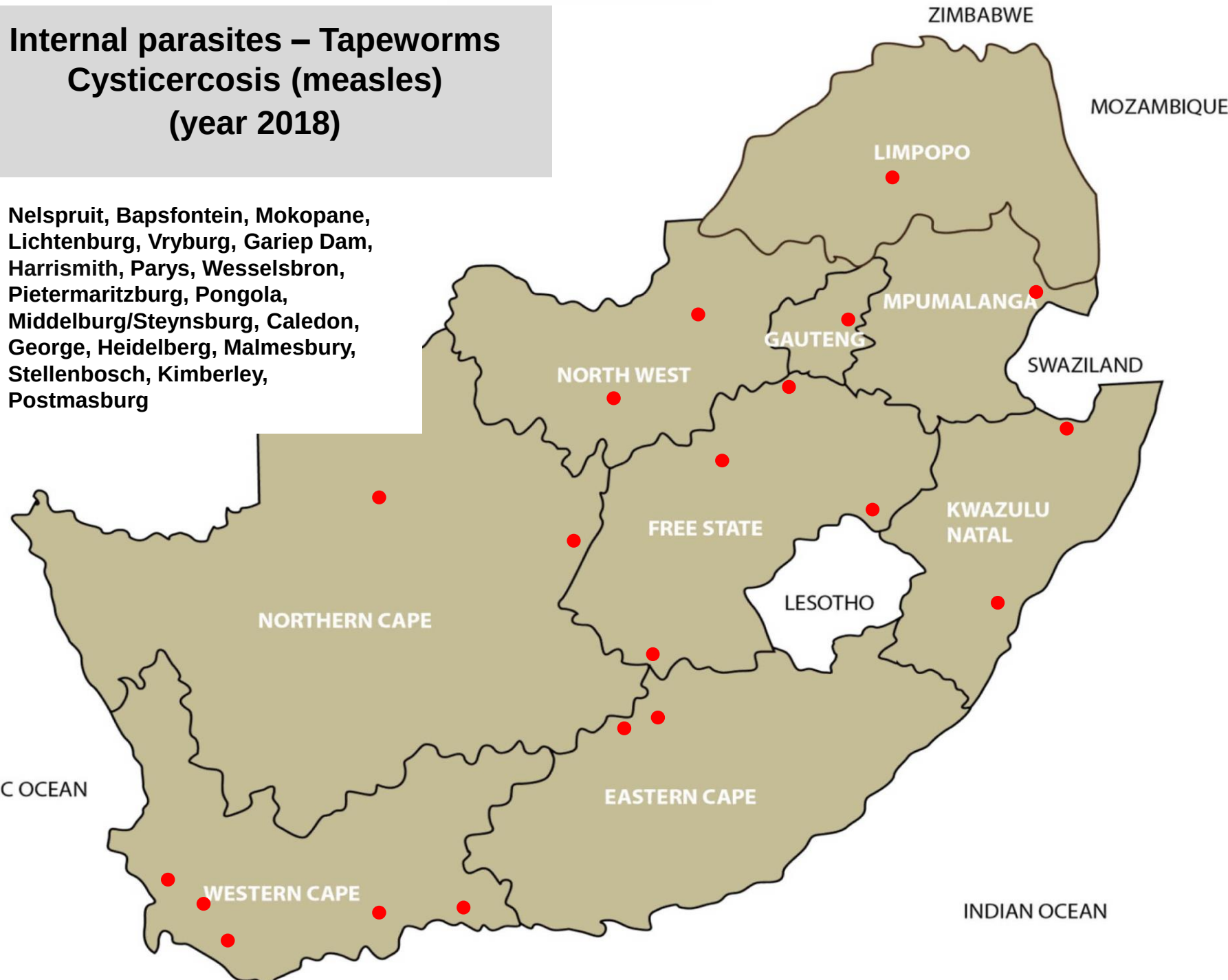
Internal parasites – Tapeworms (year 2018)

Balfour, Bethal, Ermelo, Nelspruit, Middelburg, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Pretoria, Polokwane, Christiana, Leeudoringstad, Stella, Ventersdorp/Koster, Bloemfontein, Clocolan, Frankfort, Harrismith, Hertzogville, Kroonstad, Ladybrand/Excelsior, Memel, Reitz, Villiers, Vrede, Wesselsbron, Zastron, Bergville, Howick, Mooi River, Pietermaritzburg, Underberg, Alexandria, Aliwal North, Bathurst, Graaff-Reinet, Queenstown, Uitenhage, Witelsbos, Beaufort West, George, Moorreesburg, Oudtshoorn, Riversdale, Stellenbosch, Kathu, Kimberley, Postmasburg,



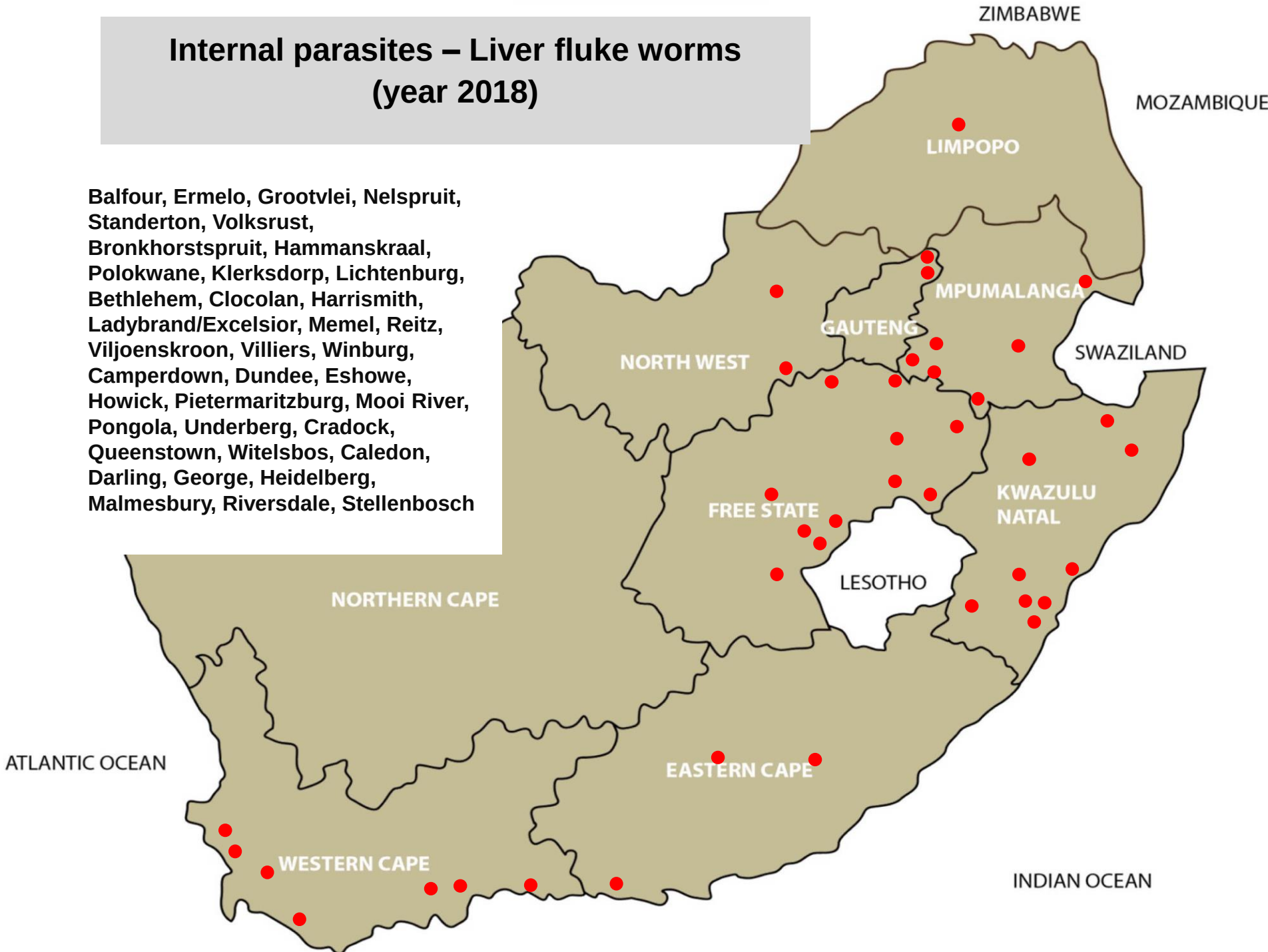
Internal parasites – Tapeworms Cysticercosis (measles) (year 2018)

Nelspruit, Bapsfontein, Mokopane,
Lichtenburg, Vryburg, Gariep Dam,
Harrismith, Parys, Wesselsbron,
Pietermaritzburg, Pongola,
Middelburg/Steynsburg, Caledon,
George, Heidelberg, Malmesbury,
Stellenbosch, Kimberley,
Postmasburg



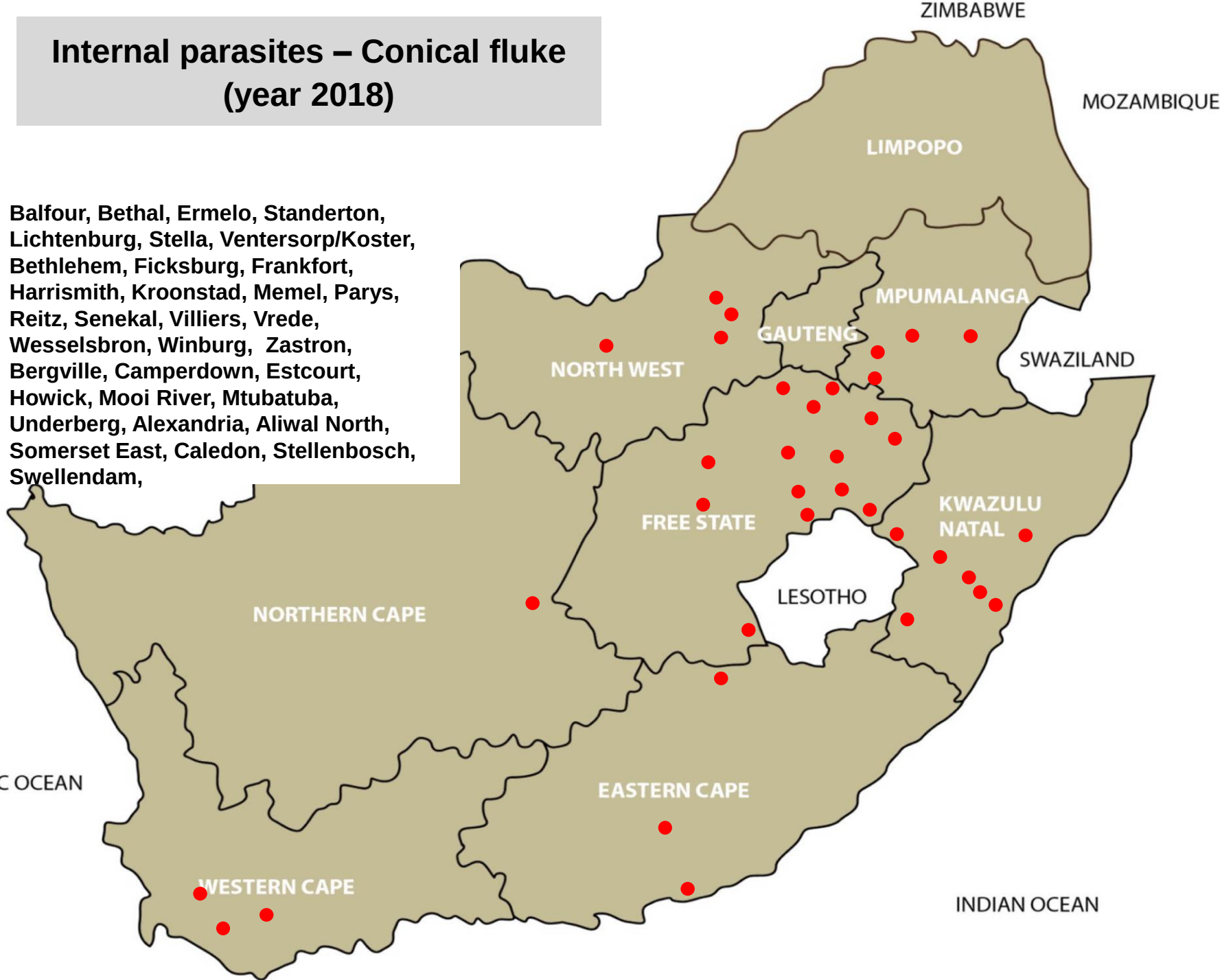
Internal parasites – Liver fluke worms (year 2018)

Balfour, Ermelo, Grootvlei, Nelspruit, Standerton, Volksrust, Bronkhorstspuit, Hammanskraal, Polokwane, Klerksdorp, Lichtenburg, Bethlehem, Clocolan, Harrismith, Ladybrand/Excelsior, Memel, Reitz, Viljoenskroon, Villiers, Winburg, Camperdown, Dundee, Eshowe, Howick, Pietermaritzburg, Mooi River, Pongola, Underberg, Cradock, Queenstown, Witelsbos, Caledon, Darling, George, Heidelberg, Malmesbury, Riversdale, Stellenbosch



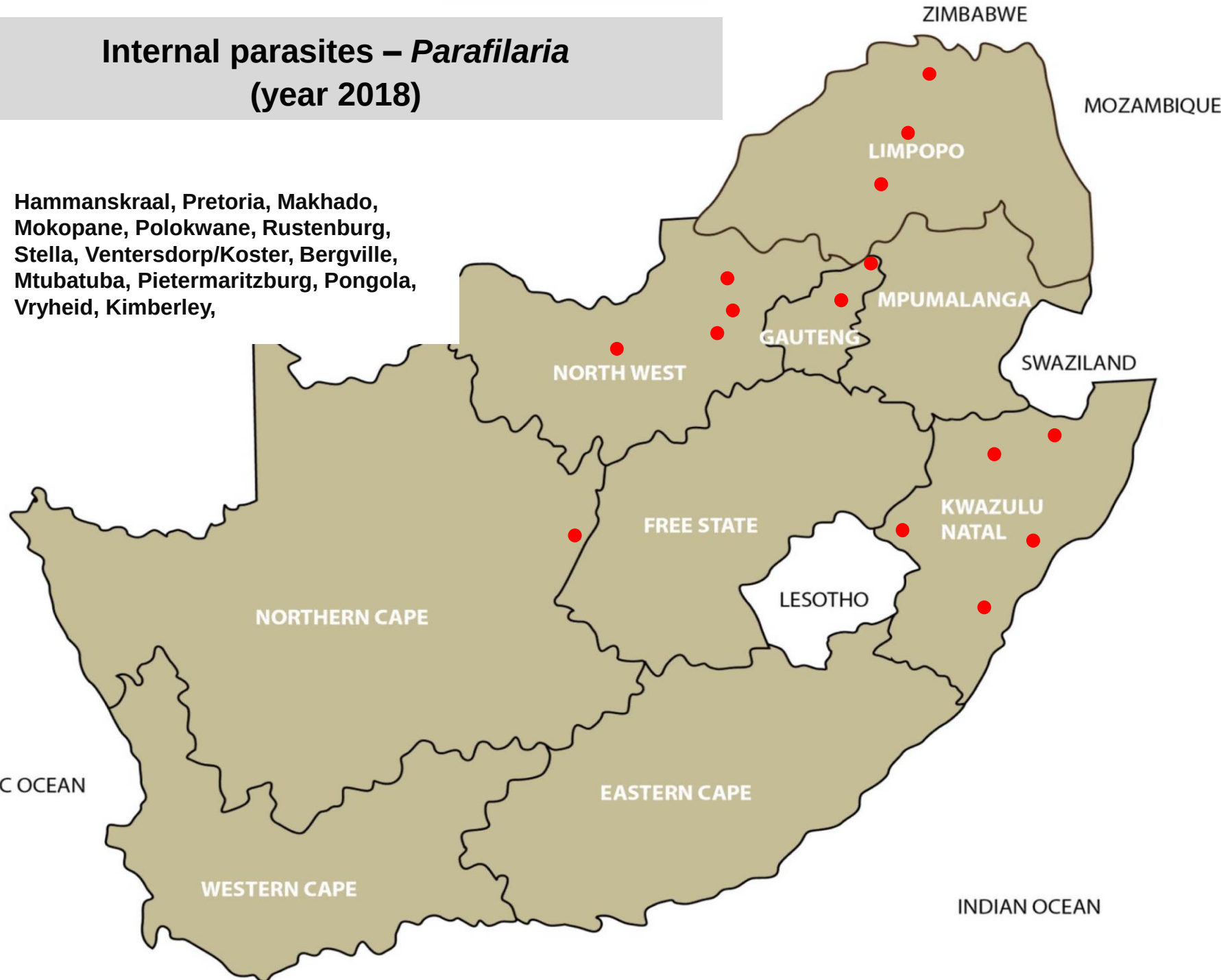
Internal parasites – Conical fluke (year 2018)

Balfour, Bethal, Ermelo, Standerton,
Lichtenburg, Stella, Ventersorp/Koster,
Bethlehem, Ficksburg, Frankfort,
Harrismith, Kroonstad, Memel, Parys,
Reitz, Senekal, Villiers, Vrede,
Wesselsbron, Winburg, Zastron,
Bergville, Camperdown, Estcourt,
Howick, Mooi River, Mtubatuba,
Underberg, Alexandria, Aliwal North,
Somerset East, Caledon, Stellenbosch,
Swellendam,



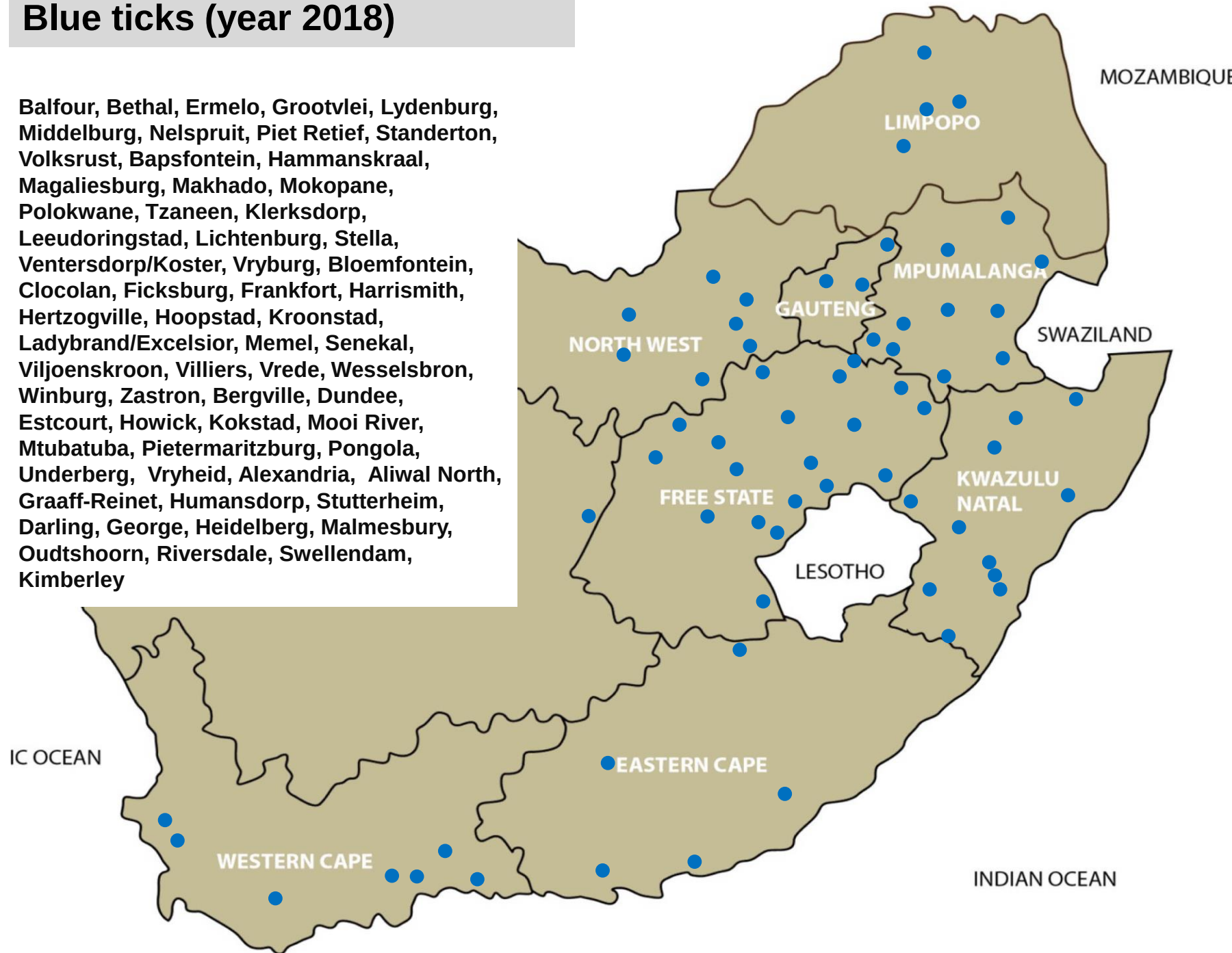
Internal parasites – *Parafilaria* (year 2018)

Hammanskraal, Pretoria, Makhado,
Mokopane, Polokwane, Rustenburg,
Stella, Ventersdorp/Koster, Bergville,
Mtubatuba, Pietermaritzburg, Pongola,
Vryheid, Kimberley,



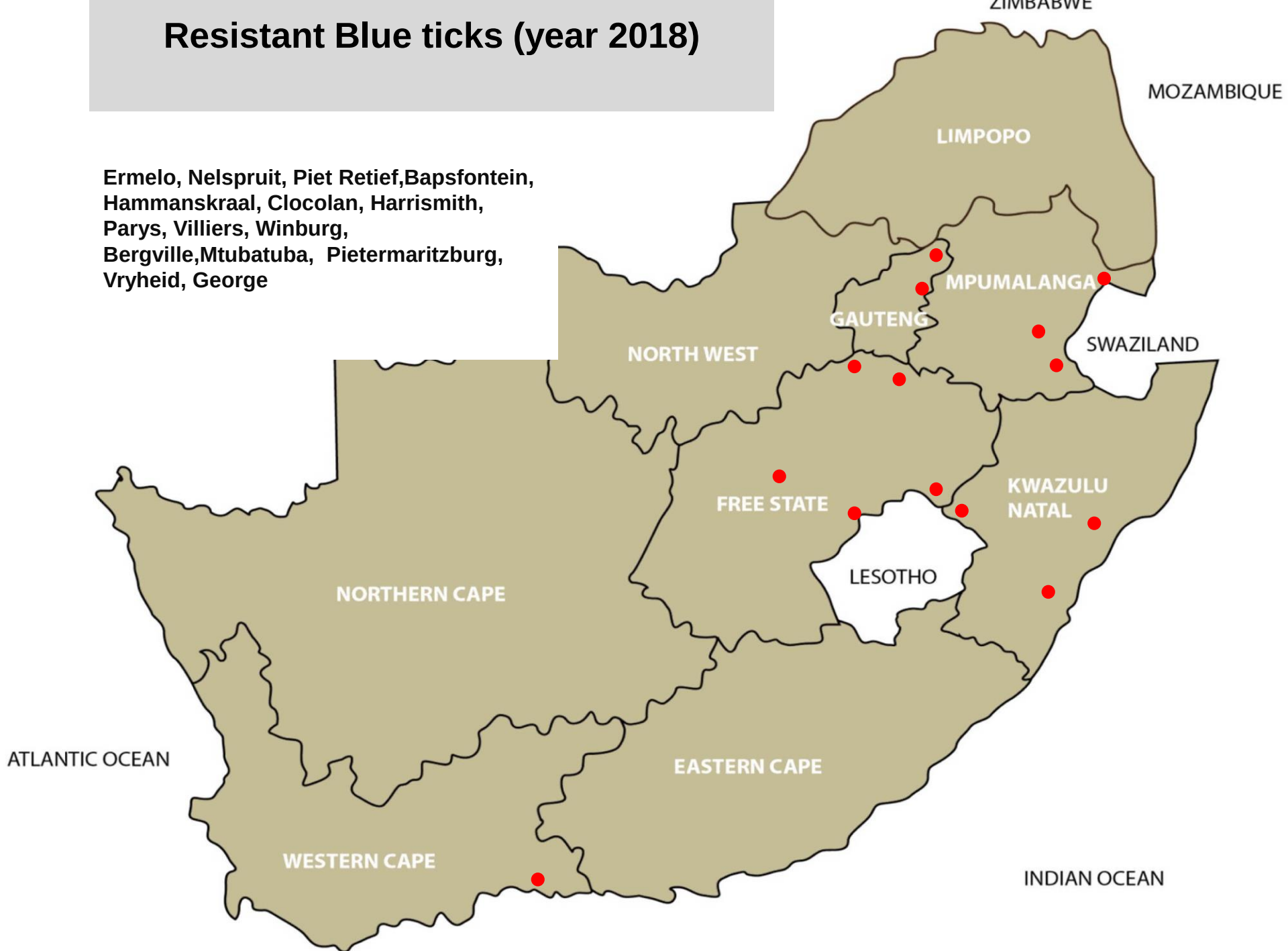
Blue ticks (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Lydenburg, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Hammanskraal, Magaliesburg, Makhado, Mokopane, Polokwane, Tzaneen, Klerksdorp, Leeudoringstad, Lichtenburg, Stella, Ventersdorp/Koster, Vryburg, Bloemfontein, Clocolan, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Senekal, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Dundee, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Pietermaritzburg, Pongola, Underberg, Vryheid, Alexandria, Aliwal North, Graaff-Reinet, Humansdorp, Stutterheim, Darling, George, Heidelberg, Malmesbury, Oudtshoorn, Riversdale, Swellendam, Kimberley



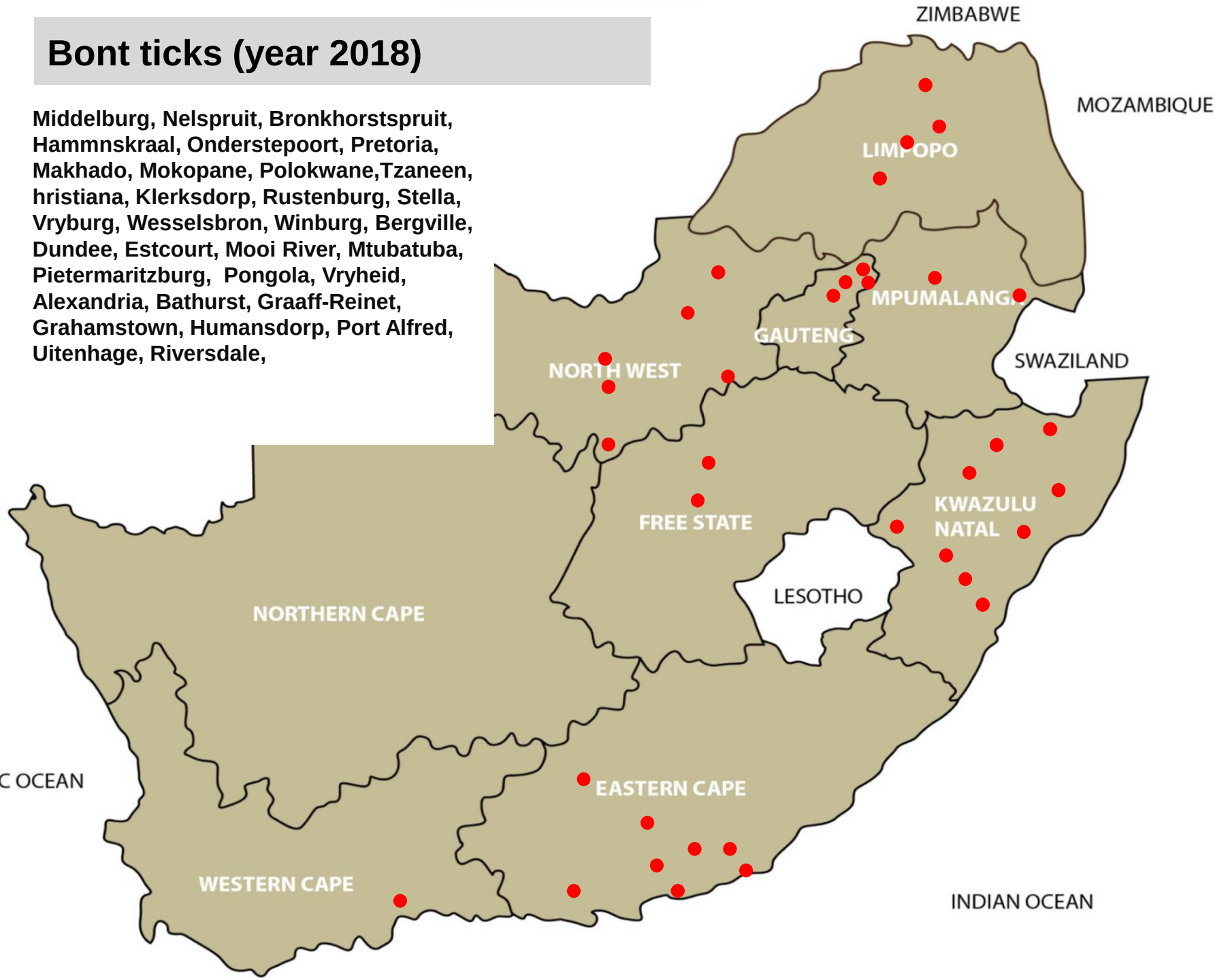
Resistant Blue ticks (year 2018)

Ermelo, Nelspruit, Piet Retief, Bapsfontein,
Hammanskraal, Clocolan, Harrismith,
Parys, Villiers, Winburg,
Bergville, Mtubatuba, Pietermaritzburg,
Vryheid, George



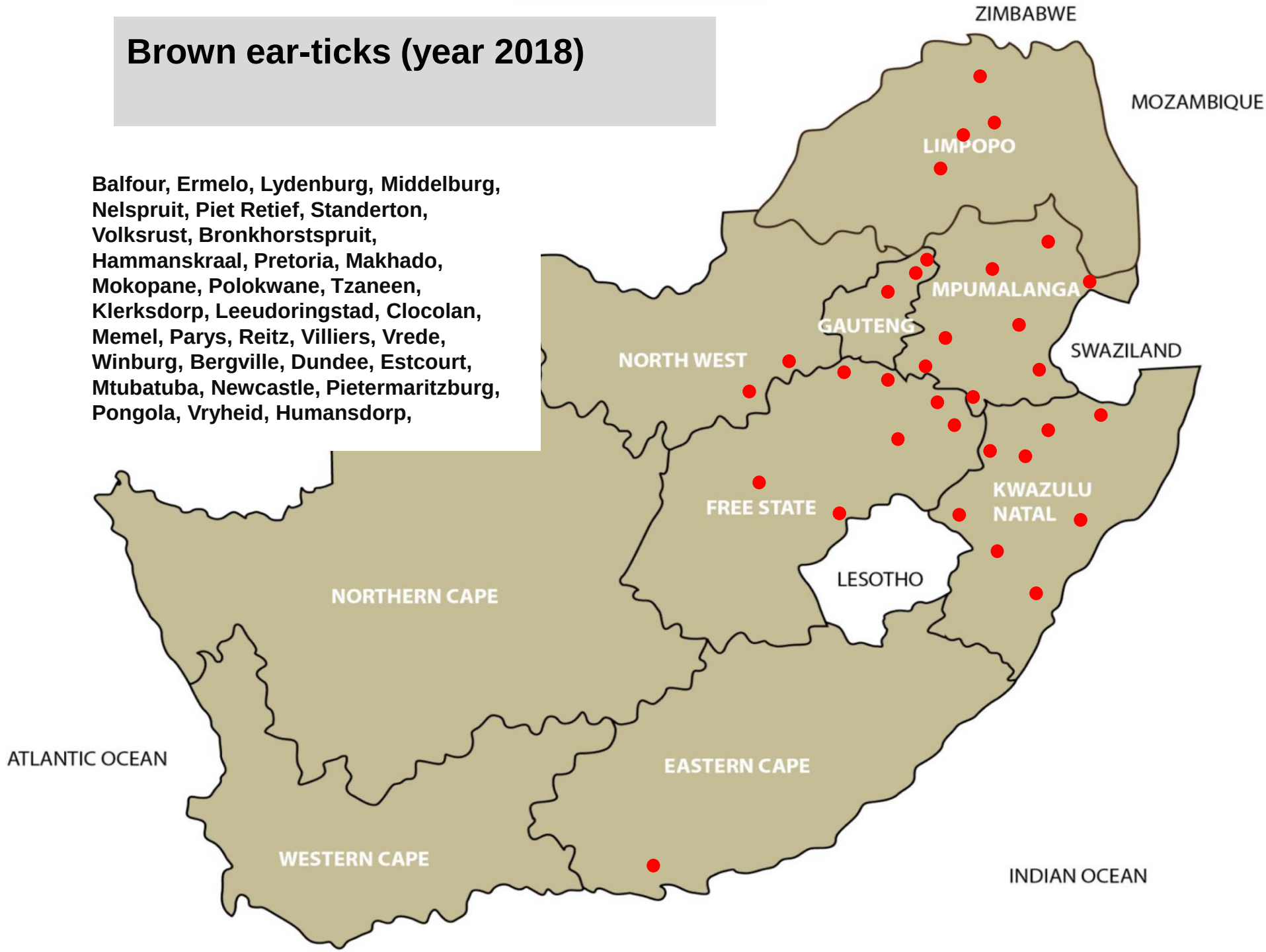
Bont ticks (year 2018)

Middelburg, Nelspruit, Bronkhorstspuit, Hammanskraal, Onderstepoort, Pretoria, Makhado, Mokopane, Polokwane, Tzaneen, hristiana, Klerksdorp, Rustenburg, Stella, Vryburg, Wesselsbron, Winburg, Bergville, Dundee, Estcourt, Mooi River, Mtubatuba, Pietermaritzburg, Pongola, Vryheid, Alexandria, Bathurst, Graaff-Reinet, Grahamstown, Humansdorp, Port Alfred, Uitenhage, Riversdale,



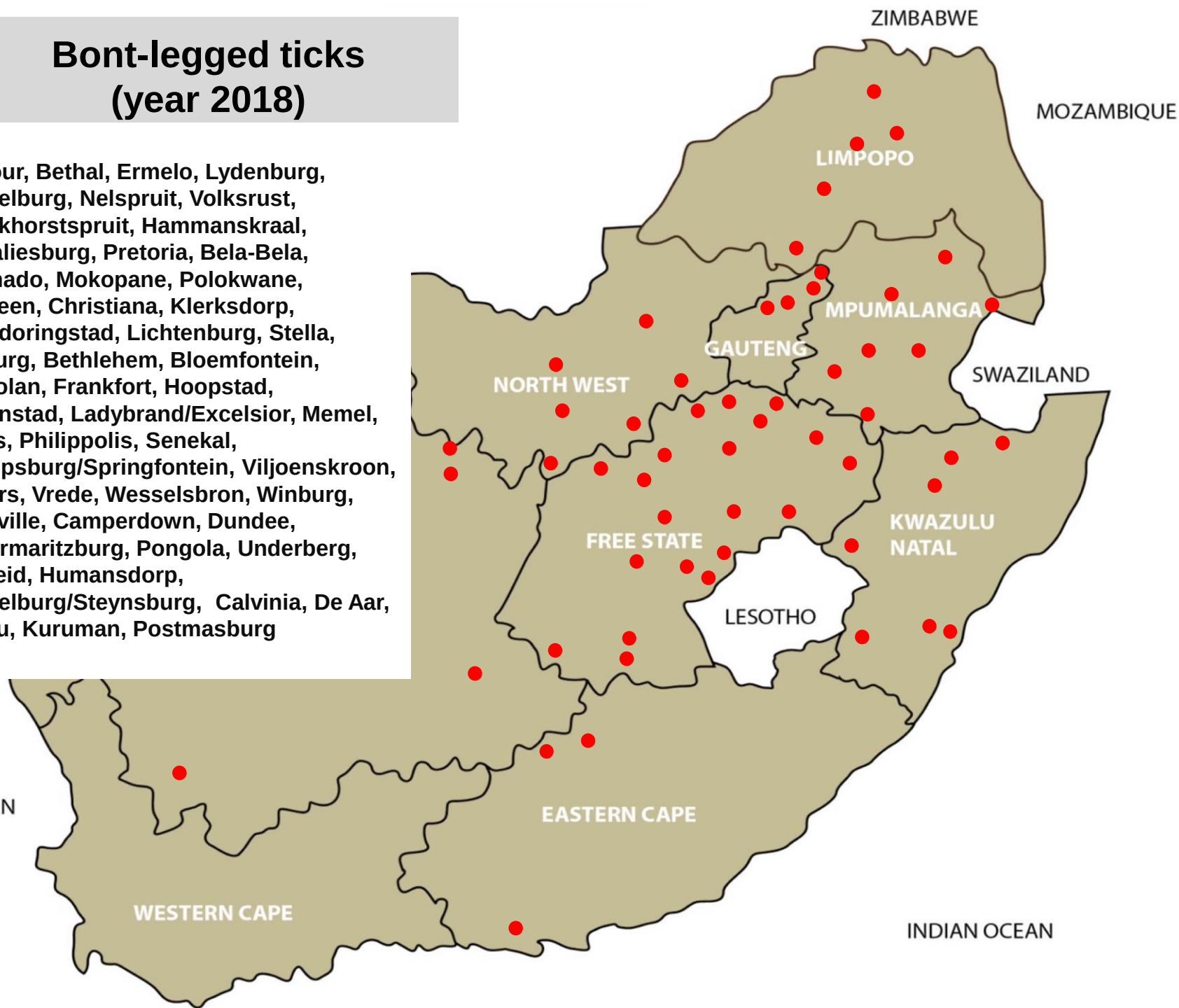
Brown ear-ticks (year 2018)

Balfour, Ermelo, Lydenburg, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bronkhorstspuit, Hammanskraal, Pretoria, Makhado, Mokopane, Polokwane, Tzaneen, Klerksdorp, Leeudoringstad, Clocolan, Memel, Parys, Reitz, Villiers, Vrede, Winburg, Bergville, Dundee, Estcourt, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Vryheid, Humansdorp,



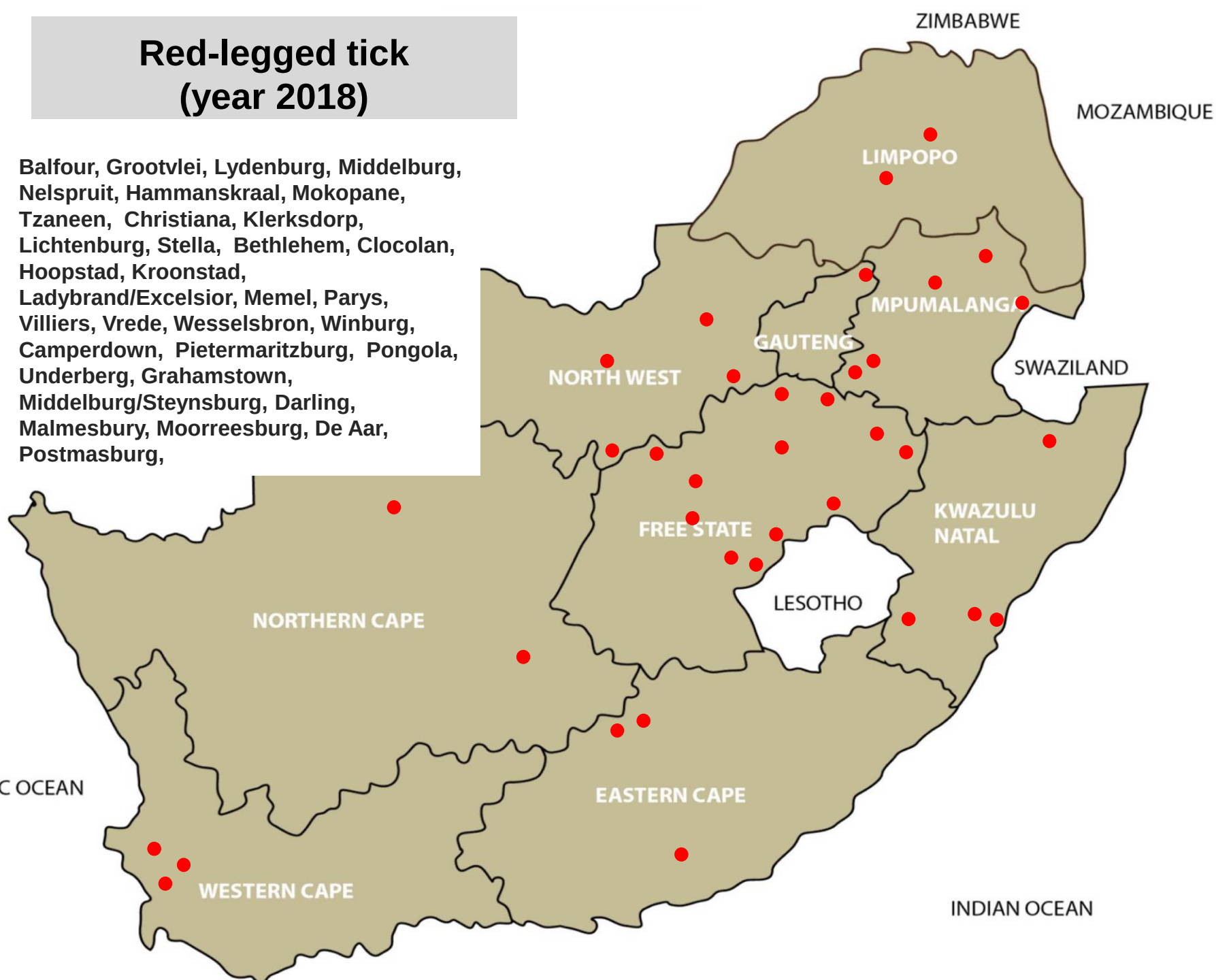
Bont-legged ticks (year 2018)

Balfour, Bethal, Ermelo, Lydenburg, Middelburg, Nelspruit, Volksrust, Bronkhorstspuit, Hammanskraal, Magaliesburg, Pretoria, Bela-Bela, Makhado, Mokopane, Polokwane, Tzaneen, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Stella, Vryburg, Bethlehem, Bloemfontein, Clocolan, Frankfort, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Philippolis, Senekal, Trompsburg/Springfontein, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Bergville, Camperdown, Dundee, Pietermaritzburg, Pongola, Underberg, Vryheid, Humansdorp, Middelburg/Steynsburg, Calvinia, De Aar, Kathu, Kuruman, Postmasburg



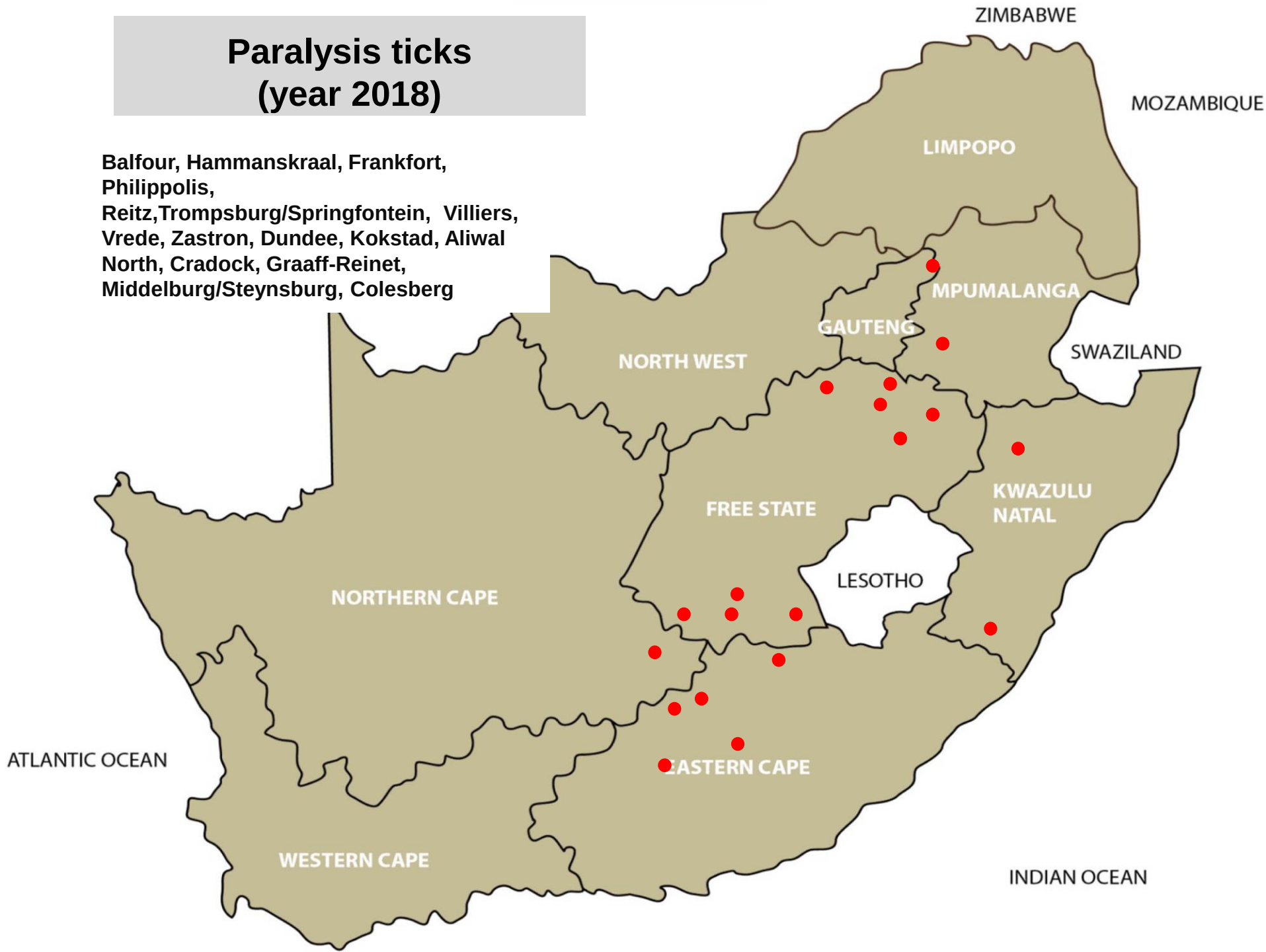
Red-legged tick (year 2018)

Balfour, Grootvlei, Lydenburg, Middelburg, Nelspruit, Hammanskraal, Mokopane, Tzaneen, Christiana, Klerksdorp, Lichtenburg, Stella, Bethlehem, Clocolan, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Villiers, Vrede, Wesselsbron, Winburg, Camperdown, Pietermaritzburg, Pongola, Underberg, Grahamstown, Middelburg/Steynsburg, Darling, Malmesbury, Moorreesburg, De Aar, Postmasburg,



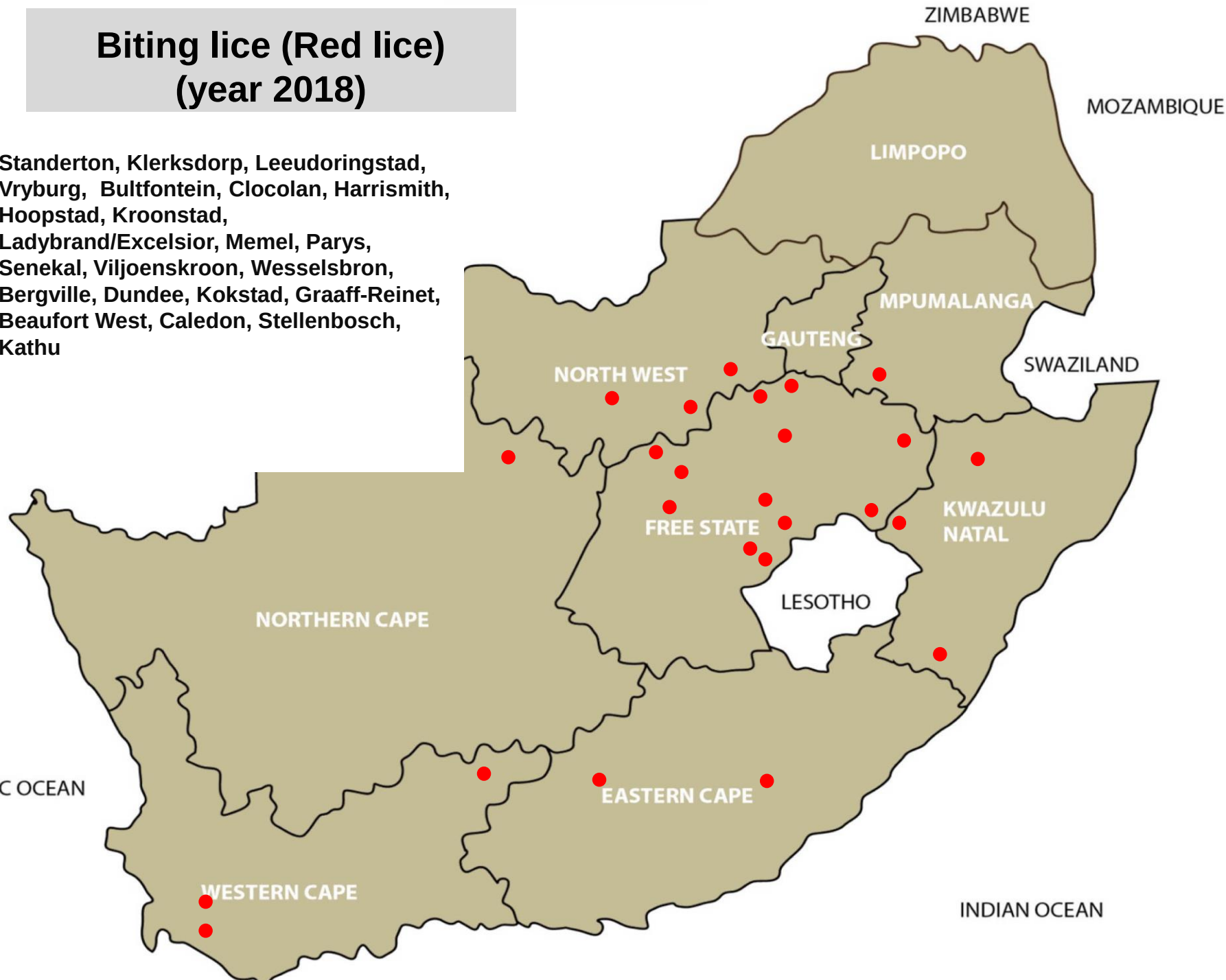
Paralysis ticks (year 2018)

Balfour, Hammanskraal, Frankfort,
Philippolis,
Reitz, Trompsburg/Springfontein, Villiers,
Vrede, Zastron, Dundee, Kokstad, Aliwal
North, Cradock, Graaff-Reinet,
Middelburg/Steynsburg, Colesberg



Biting lice (Red lice) (year 2018)

Standerton, Klerksdorp, Leeudoringstad,
Vryburg, Bultfontein, Clocolan, Harrismith,
Hoopstad, Kroonstad,
Ladybrand/Excelsior, Memel, Parys,
Senekal, Viljoenskroon, Wesselsbron,
Bergville, Dundee, Kokstad, Graaff-Reinet,
Beaufort West, Caledon, Stellenbosch,
Kathu



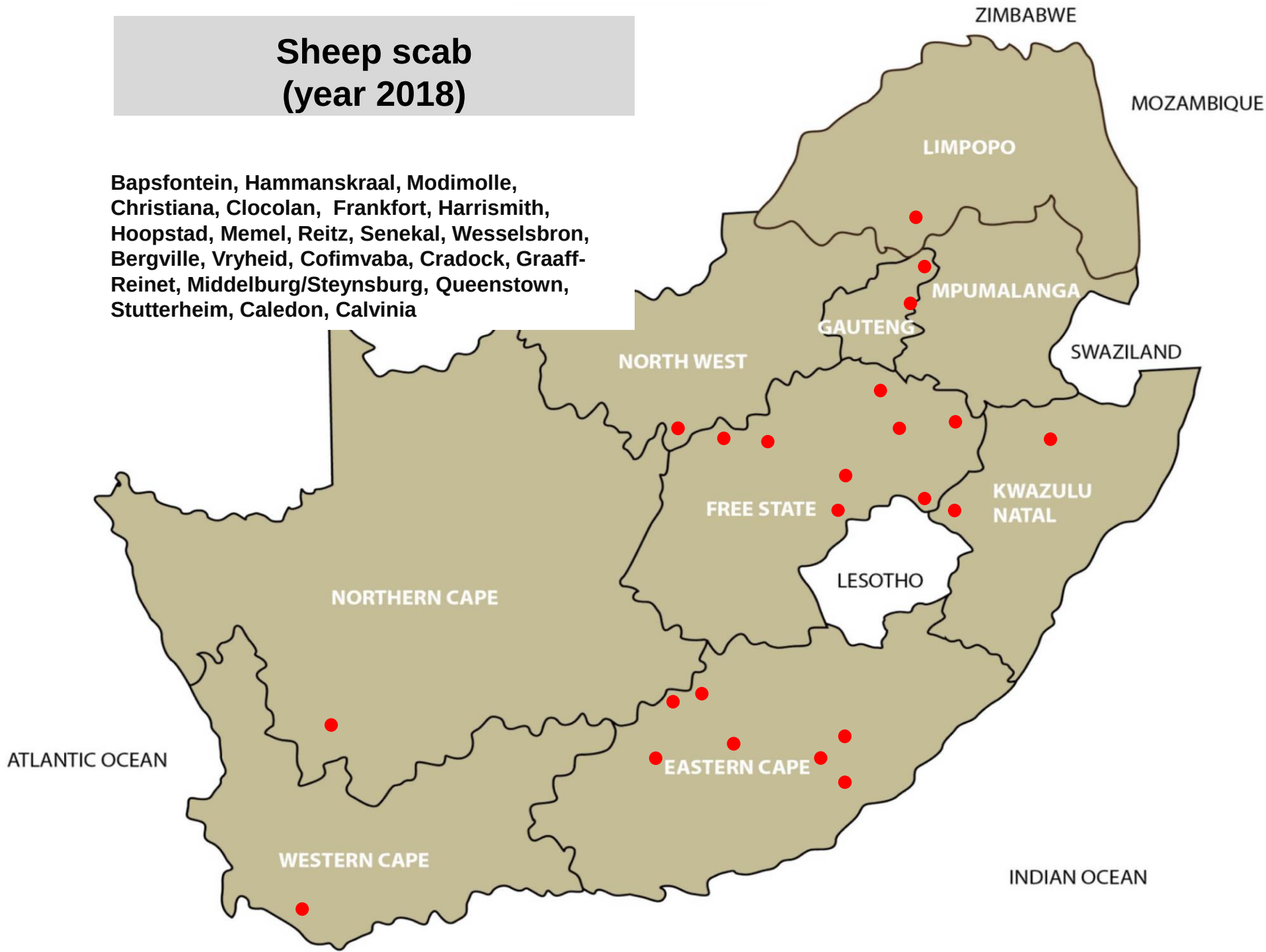
Sucking lice (Blue lice) (year 2018)

Leeudoringstad, Lichtenburg,
Ventersdorp/Koster, Clocolan, Harrismith,
Hertzogville, Hoopstad, Ladybrand/Excelsior,
Memel, Vrede, Vryheid, Graaff-Reinet, Kuruman,
Postmasburg

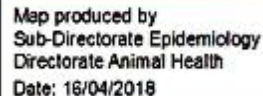


Sheep scab (year 2018)

Bapsfontein, Hammanskraal, Modimolle,
Christiana, Clocolan, Frankfort, Harrismith,
Hoopstad, Memel, Reitz, Senekal, Wesselsbron,
Bergville, Vryheid, Cofimvaba, Cradock, Graaff-
Reinet, Middelburg/Steynsburg, Queenstown,
Stutterheim, Caledon, Calvinia



2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, Imaginaria, Mapbox, OpenStreetMap contributors, and the GIS User Community

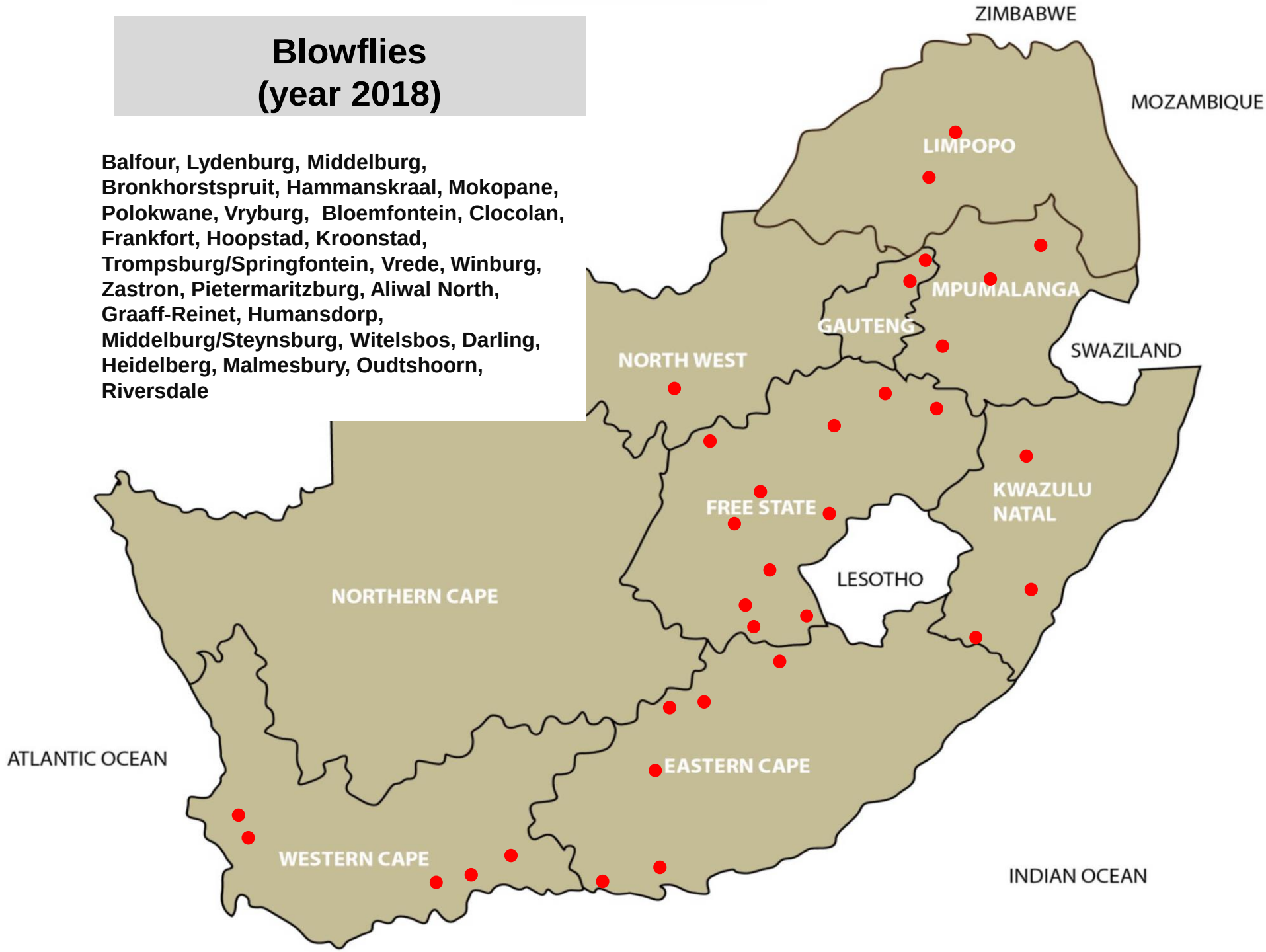


agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

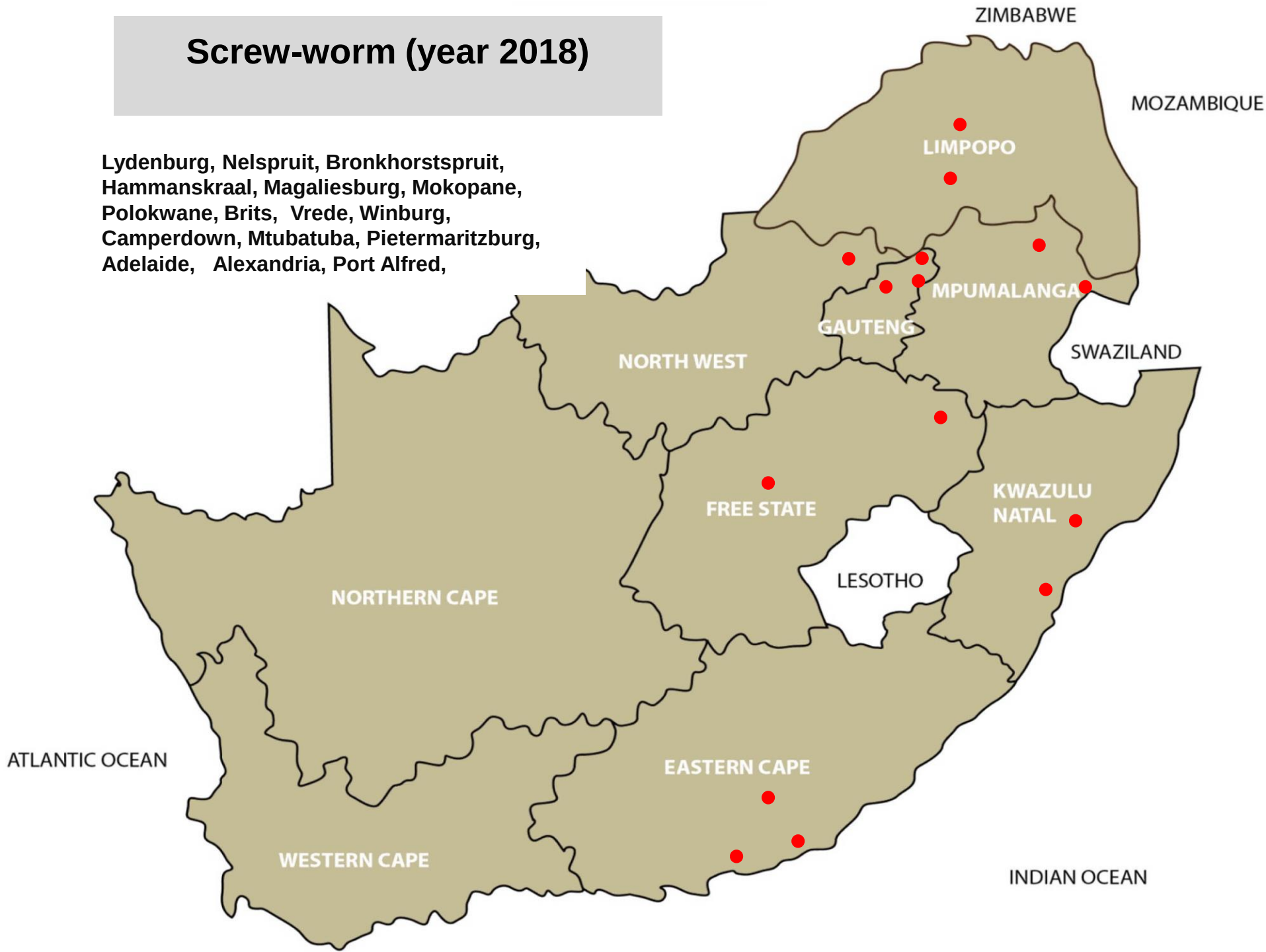
Blowflies (year 2018)

Balfour, Lydenburg, Middelburg,
Bronkhorstspuit, Hammanskraal, Mokopane,
Polokwane, Vryburg, Bloemfontein, Clocolan,
Frankfort, Hoopstad, Kroonstad,
Trompsburg/Springfontein, Vrede, Winburg,
Zastron, Pietermaritzburg, Aliwal North,
Graaff-Reinet, Humansdorp,
Middelburg/Steynsburg, Witelsbos, Darling,
Heidelberg, Malmesbury, Oudtshoorn,
Riversdale



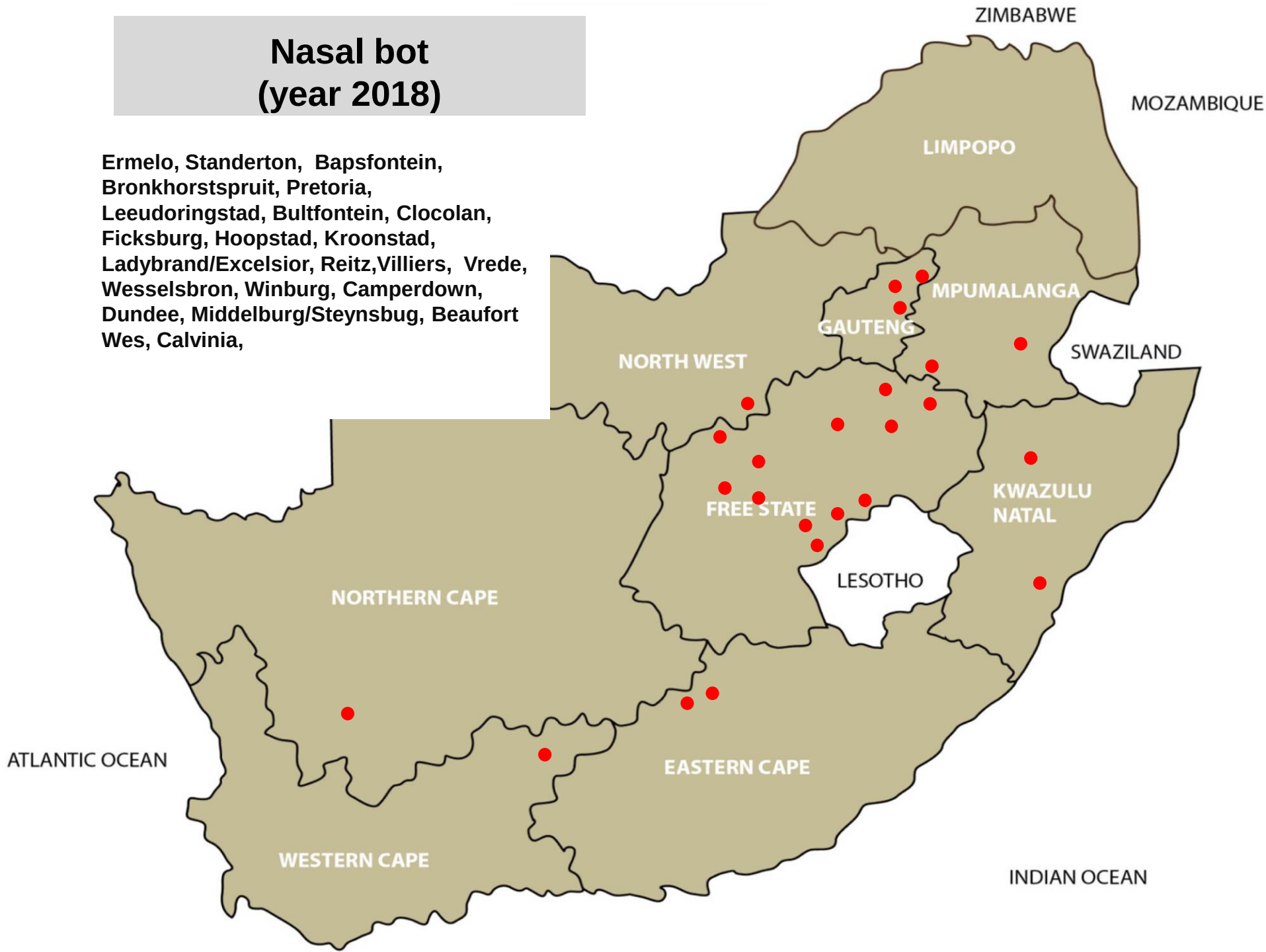
Screw-worm (year 2018)

Lydenburg, Nelspruit, Bronkhorstspuit,
Hammanskraal, Magaliesburg, Mokopane,
Polokwane, Brits, Vrede, Winburg,
Camperdown, Mtubatuba, Pietermaritzburg,
Adelaide, Alexandria, Port Alfred,



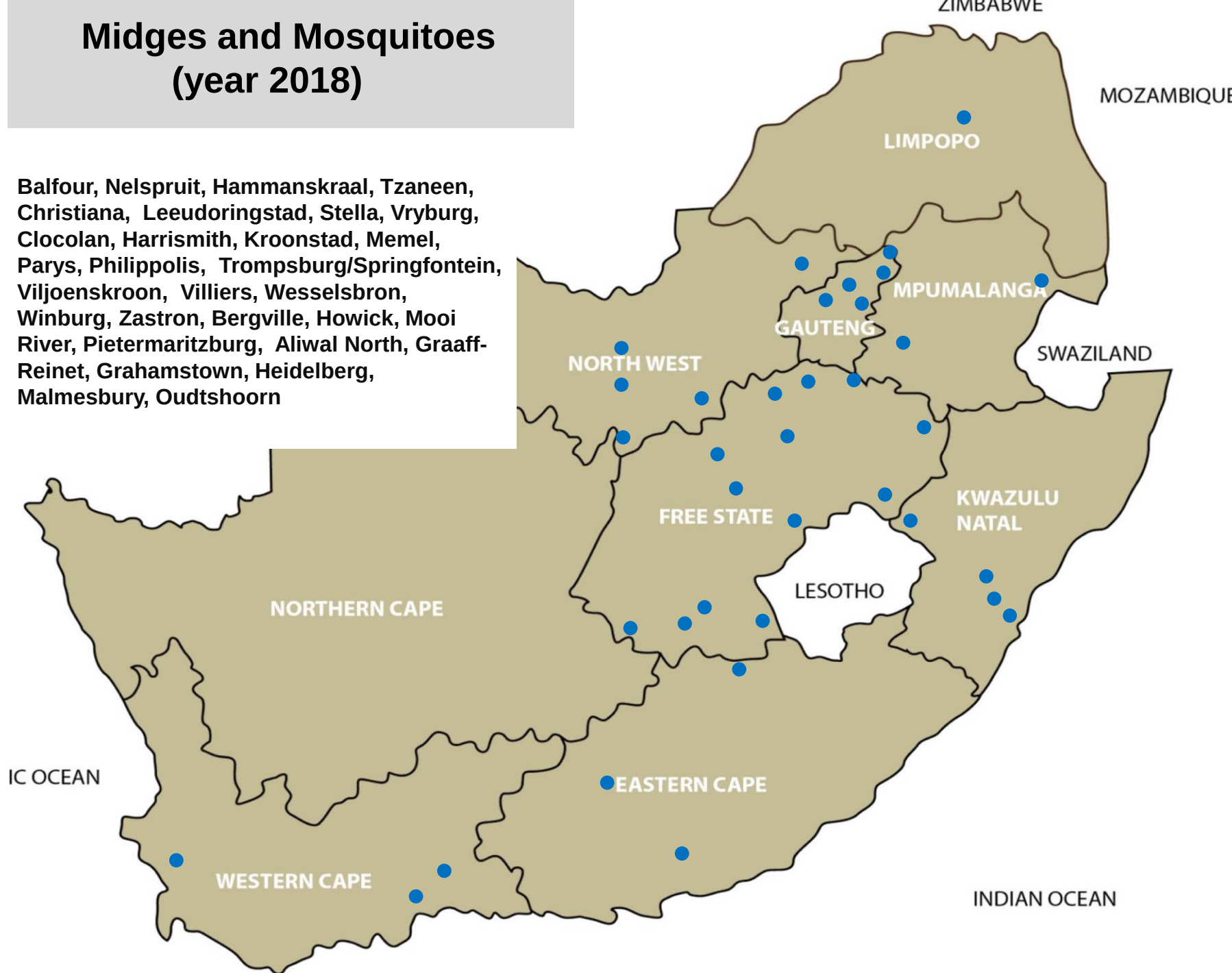
Nasal bot (year 2018)

Ermelo, Standerton, Bapsfontein,
Bronkhorstspuit, Pretoria,
Leeudoringstad, Bultfontein, Clocolan,
Ficksburg, Hoopstad, Kroonstad,
Ladybrand/Excelsior, Reitz, Villiers, Vrede,
Wesselsbron, Winburg, Camperdown,
Dundee, Middelburg/Steynsburg, Beaufort
Wes, Calvinia,



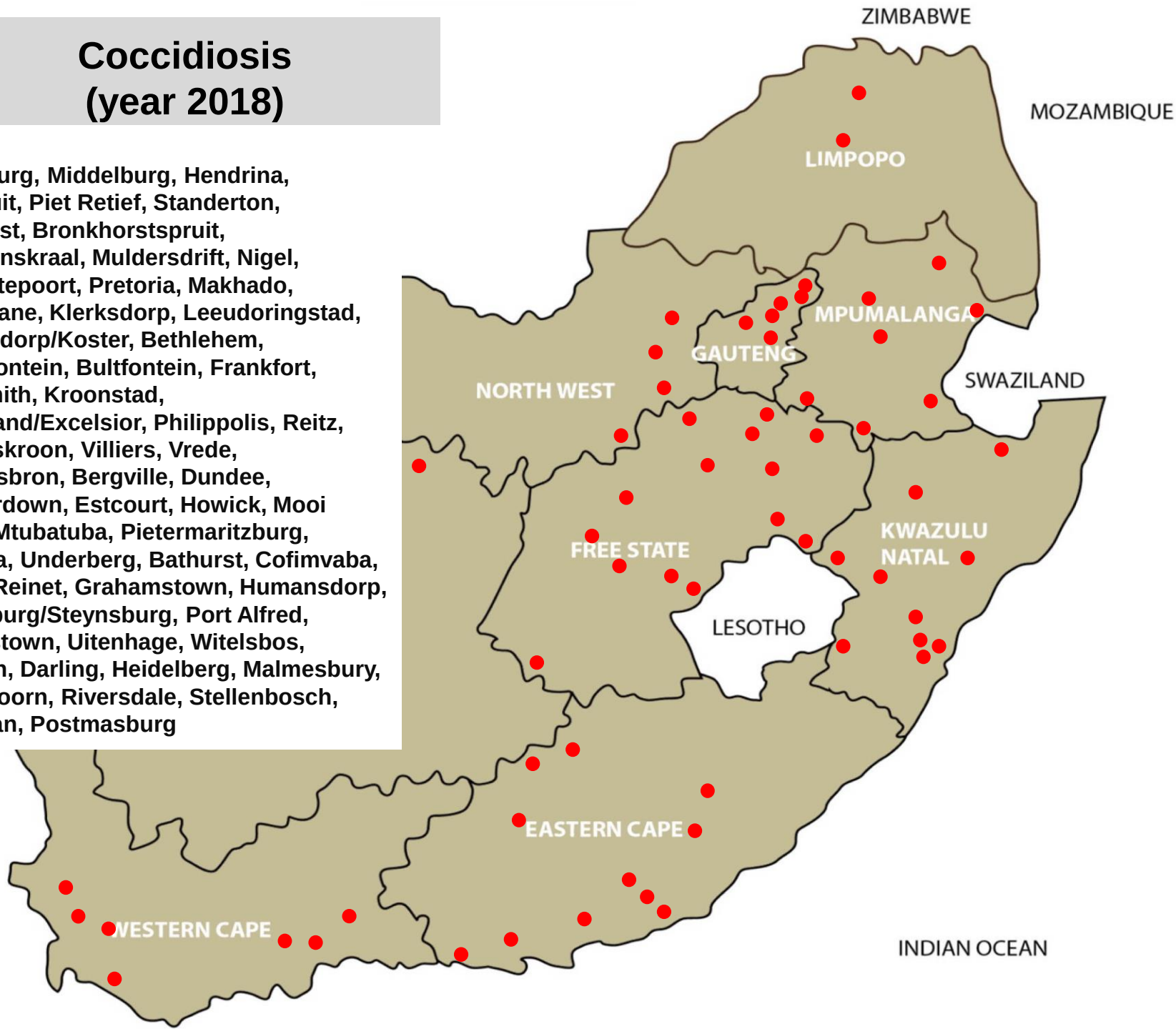
Midges and Mosquitoes (year 2018)

Balfour, Nelspruit, Hammanskraal, Tzaneen, Christiana, Leeudoringstad, Stella, Vryburg, Clocolan, Harrismith, Kroonstad, Memel, Parys, Philippolis, Trompsburg/Springfontein, Viljoenskroon, Villiers, Wesselsbron, Winburg, Zastron, Bergville, Howick, Mooi River, Pietermaritzburg, Aliwal North, Graaff-Reinet, Grahamstown, Heidelberg, Malmesbury, Oudtshoorn



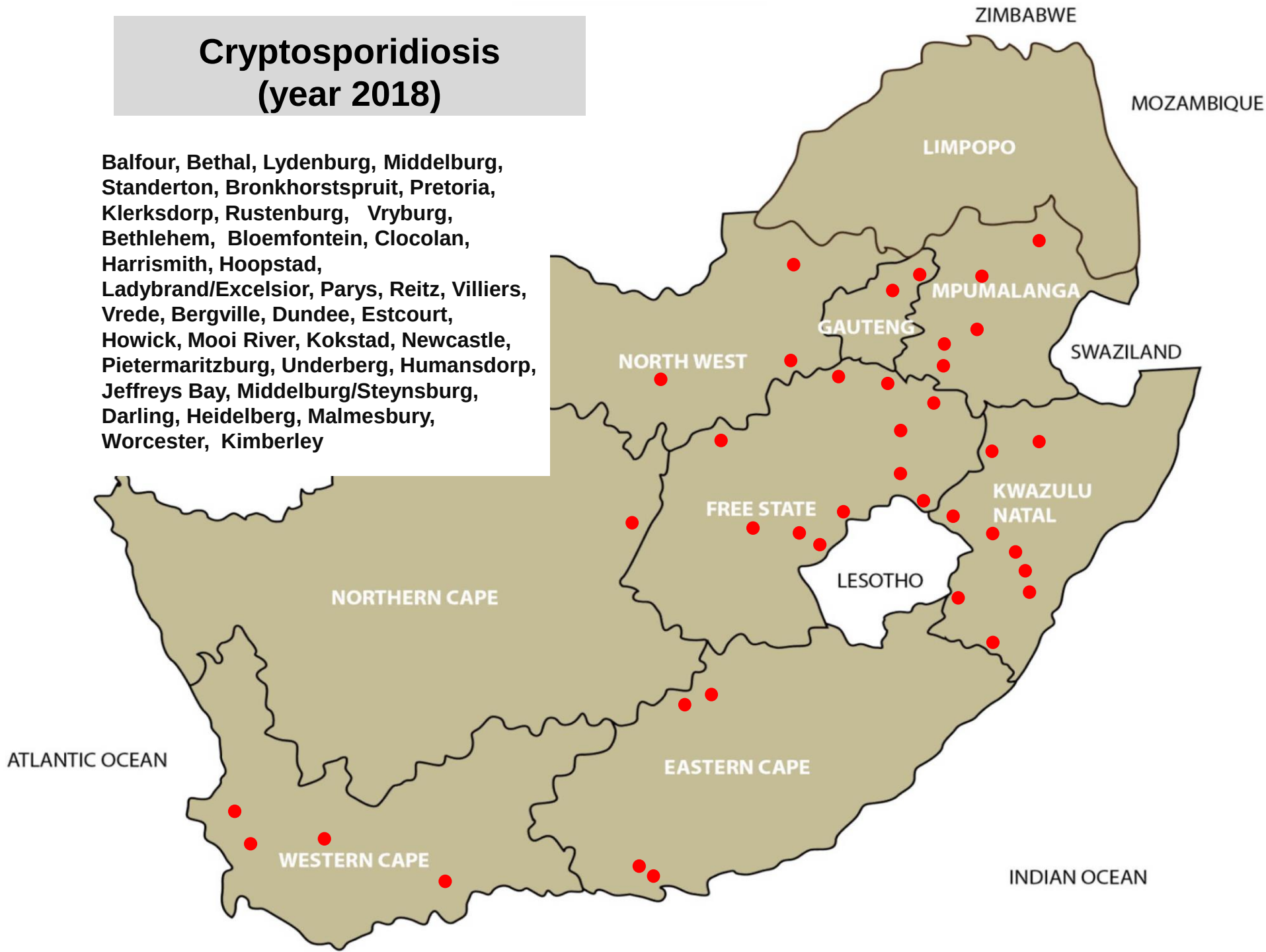
Coccidiosis (year 2018)

Lydenburg, Middelburg, Hendrina, Nelspruit, Piet Retief, Standerton, Volksrust, Bronkhorstspuit, Hammanskraal, Muldersdrift, Nigel, Onderstepoort, Pretoria, Makhado, Polokwane, Klerksdorp, Leeudoringstad, Ventersdorp/Koster, Bethlehem, Bloemfontein, Bultfontein, Frankfort, Harrismith, Kroonstad, Ladybrand/Excelsior, Philippolis, Reitz, Viljoenskroon, Villiers, Vrede, Wesselsbron, Bergville, Dundee, Camperdown, Estcourt, Howick, Mooi River, Mtubatuba, Pietermaritzburg, Pongola, Underberg, Bathurst, Cofimvaba, Graaff-Reinet, Grahamstown, Humansdorp, Middelburg/Steynsburg, Port Alfred, Queenstown, Uitenhage, Witelsbos, Caledon, Darling, Heidelberg, Malmesbury, Oudtshoorn, Riversdale, Stellenbosch, Kuruman, Postmasburg



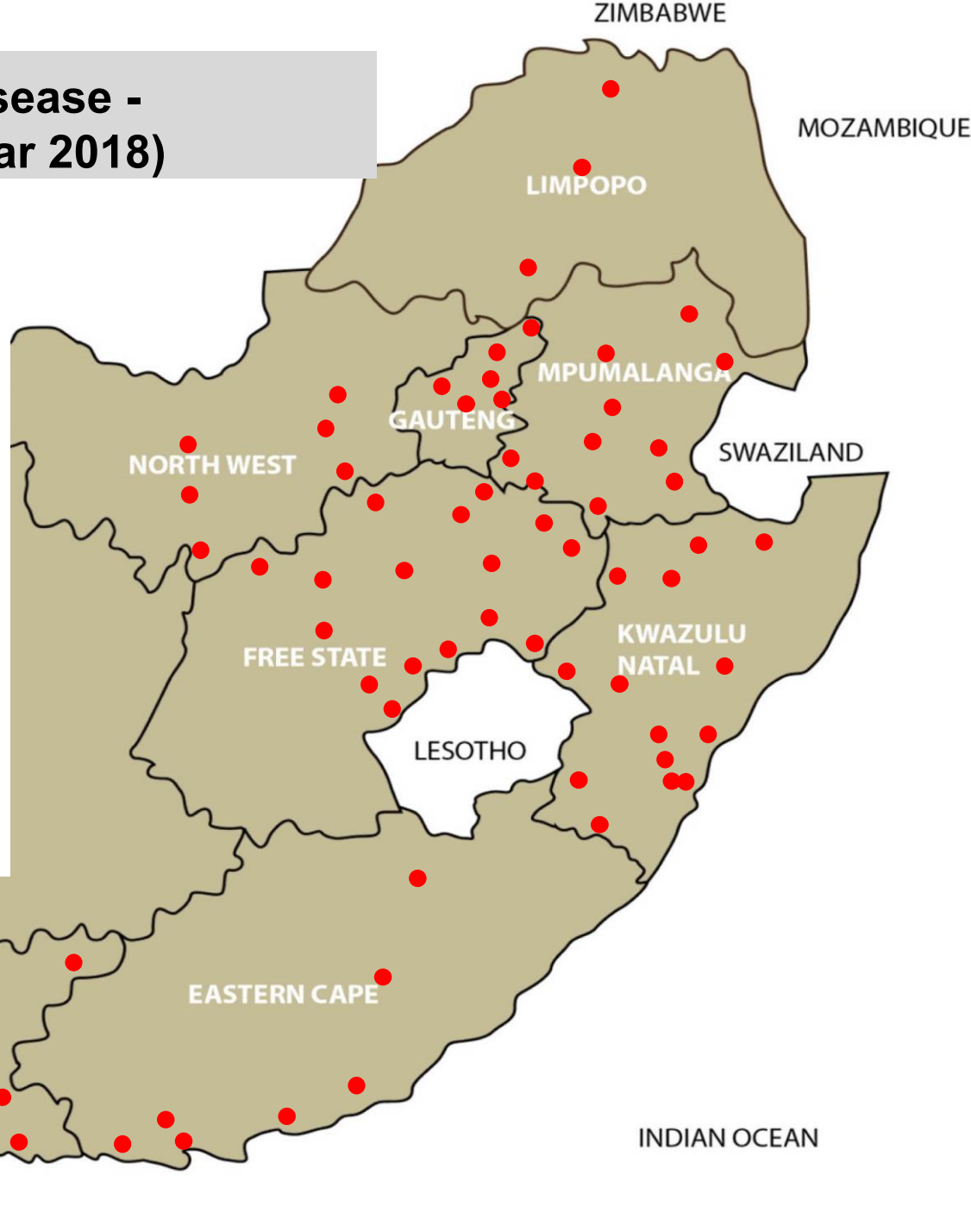
Cryptosporidiosis (year 2018)

Balfour, Bethal, Lydenburg, Middelburg, Standerton, Bronkhorstspuit, Pretoria, Klerksdorp, Rustenburg, Vryburg, Bethlehem, Bloemfontein, Clocolan, Harrismith, Hoopstad, Ladybrand/Excelsior, Parys, Reitz, Villiers, Vrede, Bergville, Dundee, Estcourt, Howick, Mooi River, Kokstad, Newcastle, Pietermaritzburg, Underberg, Humansdorp, Jeffreys Bay, Middelburg/Steynsburg, Darling, Heidelberg, Malmesbury, Worcester, Kimberley



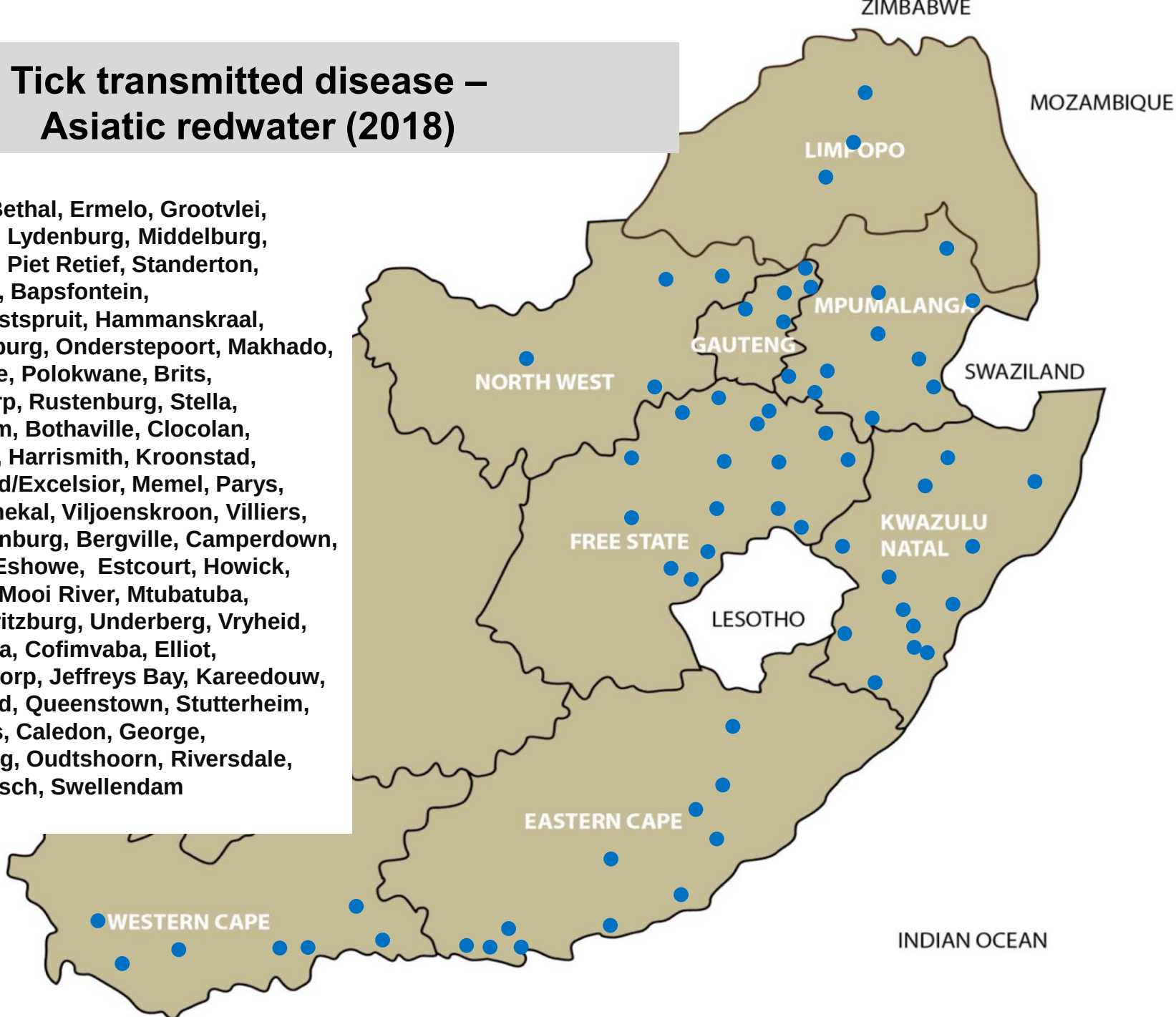
Tick transmitted disease - African redwater (year 2018)

Bapsfontein, Bethal, Ermelo, Grootvlei, Hendrina, Lydenburg, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Hammanskraal, Magaliesburg, Muldersdrift, Onderstepoort, Makhado, Modimolle, Polokwane, Klerksdorp, Stella, Ventersdorp/Koster, Vryburg, Bethlehem, Clocolan, Ficksburg, Frankfort, Harrismith, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Reitz, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Bergville, Camperdown, Dundee, Eshowe, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Alexandria, Elliot, Humansdorp, Jeffreys Bay, Port Alfred, Queenstown, Witelsbos, George, Heidelberg, Oudtshoorn, Riversdale



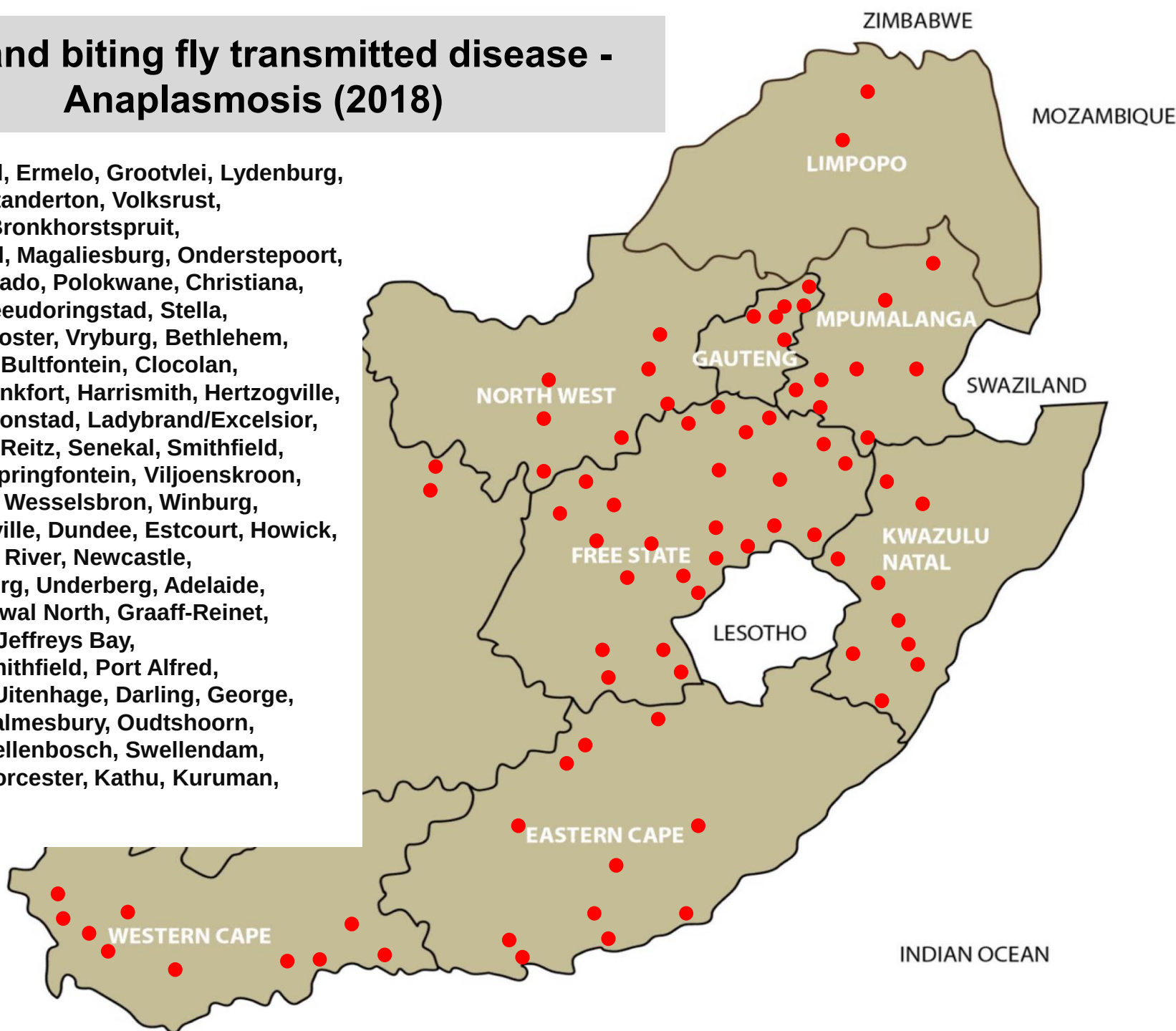
Tick transmitted disease – Asiatic redwater (2018)

Balfour, Bethal, Ermelo, Grootvlei, Hendrina, Lydenburg, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Onderstepoort, Makhado, Mokopane, Polokwane, Brits, Klerksdorp, Rustenburg, Stella, Bethlehem, Bothaville, Clocolan, Frankfort, Harrismith, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Reitz, Senekal, Viljoenskroon, Villiers, Vrede, Winburg, Bergville, Camperdown, Dundee, Eshowe, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Pietermaritzburg, Underberg, Vryheid, Alexandria, Cofimvaba, Elliot, Humansdorp, Jeffreys Bay, Kareedouw, Port Alfred, Queenstown, Stutterheim, Witelsbos, Caledon, George, Heidelberg, Oudtshoorn, Riversdale, Stellenbosch, Swellendam



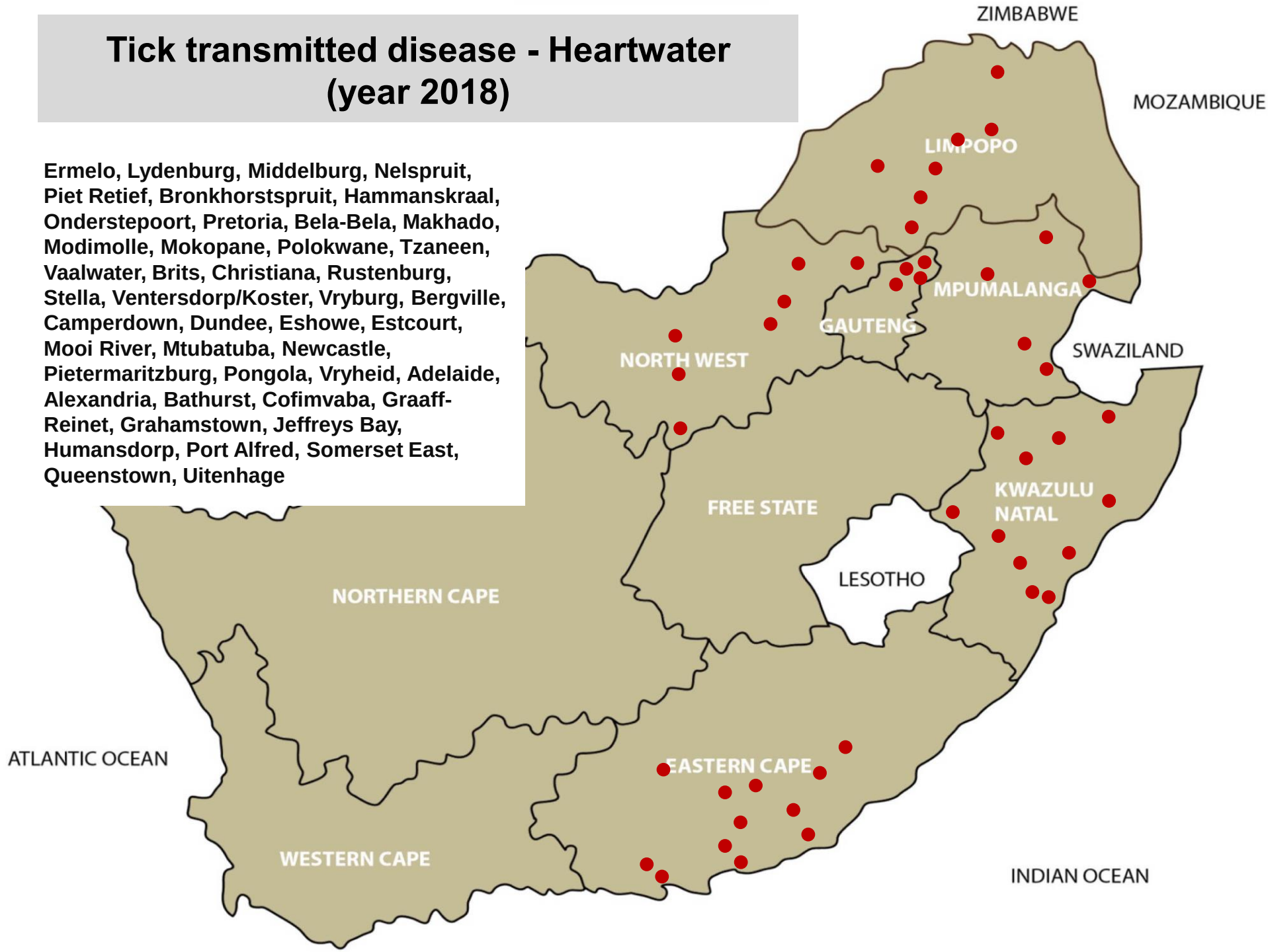
Tick and biting fly transmitted disease - Anaplasmosis (2018)

Balfour, Bethal, Ermelo, Grootvlei, Lydenburg, Middelburg, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Onderstepoort, Pretoria, Makhado, Polokwane, Christiana, Klerksdorp, Leeudoringstad, Stella, Ventersdorp/Koster, Vryburg, Bethlehem, Bloemfontein, Bultfontein, Clocolan, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Reitz, Senekal, Smithfield, Trompsburg/Springfontein, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Dundee, Estcourt, Howick, Kokstad, Mooi River, Newcastle, Pietermaritzburg, Underberg, Adelaide, Alexandria, Aliwal North, Graaff-Reinet, Humansdorp, Jeffreys Bay, Middelburg/Smithfield, Port Alfred, Queenstown, Uitenhage, Darling, George, Heidelberg, Malmesbury, Oudtshoorn, Riversdale, Stellenbosch, Swellendam, Wellington, Worcester, Kathu, Kuruman, Postmasburg



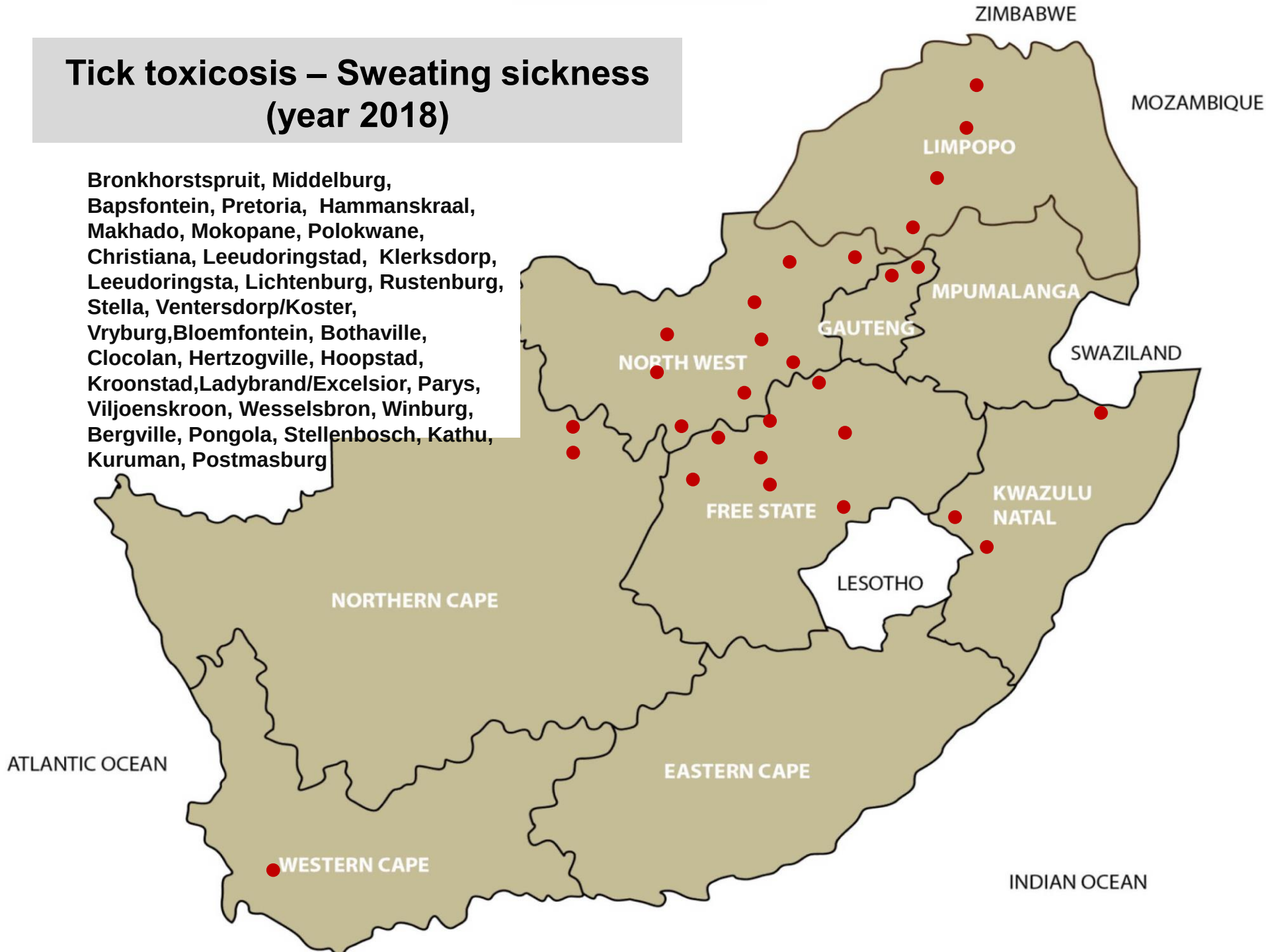
Tick transmitted disease - Heartwater (year 2018)

Ermelo, Lydenburg, Middelburg, Nelspruit, Piet Retief, Bronkhorstspuit, Hammanskraal, Onderstepoort, Pretoria, Bela-Bela, Makhado, Modimolle, Mokopane, Polokwane, Tzaneen, Vaalwater, Brits, Christiana, Rustenburg, Stella, Ventersdorp/Koster, Vryburg, Bergville, Camperdown, Dundee, Eshowe, Estcourt, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Vryheid, Adelaide, Alexandria, Bathurst, Cofimvaba, Graaff-Reinet, Grahamstown, Jeffreys Bay, Humansdorp, Port Alfred, Somerset East, Queenstown, Uitenhage



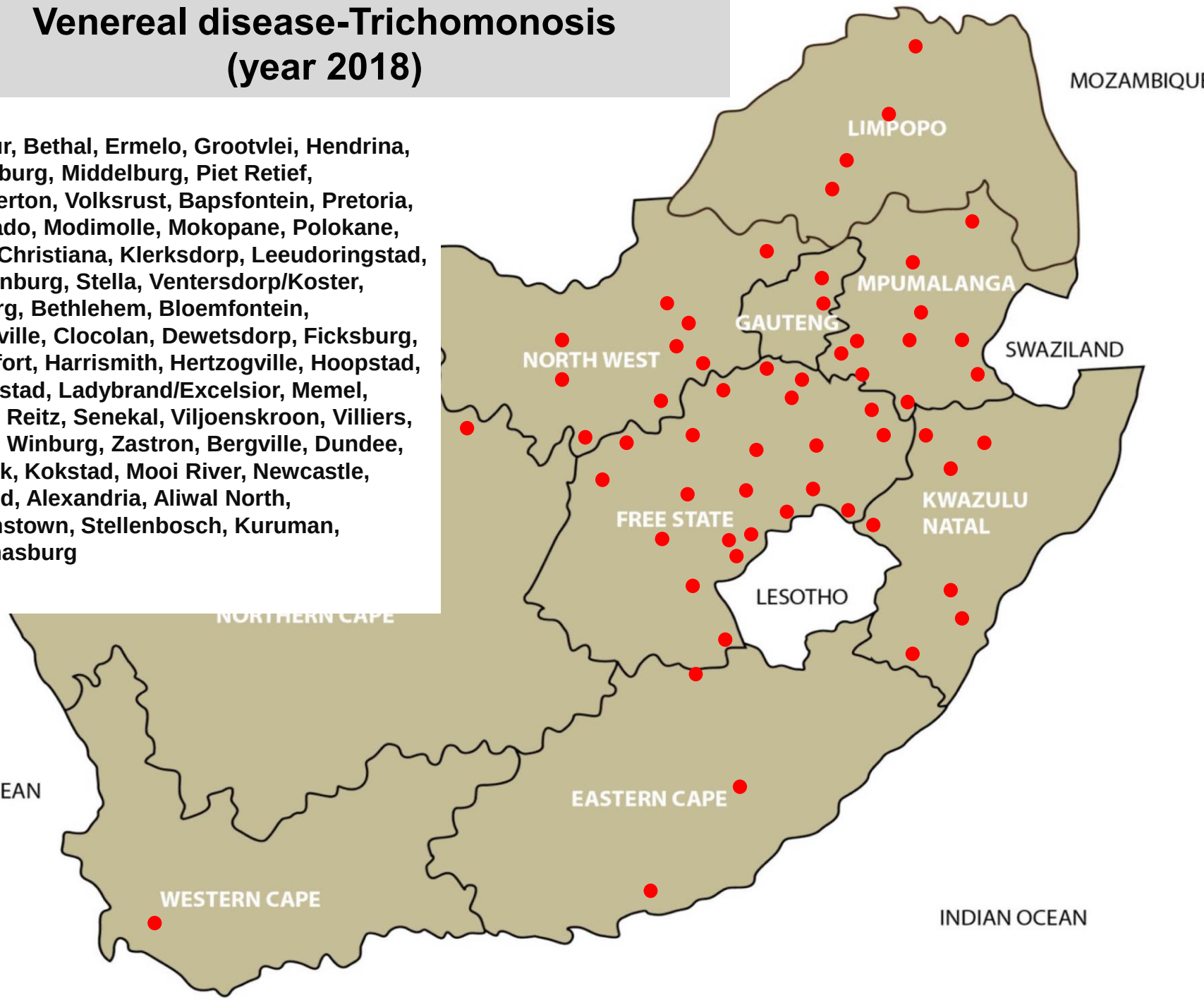
Tick toxicosis – Sweating sickness (year 2018)

Bronkhorstspuit, Middelburg,
Bapsfontein, Pretoria, Hammanskraal,
Makhado, Mokopane, Polokwane,
Christiana, Leeudoringstad, Klerksdorp,
Leeudoringsta, Lichtenburg, Rustenburg,
Stella, Ventersdorp/Koster,
Vryburg, Bloemfontein, Bothaville,
Clocolan, Hertzogville, Hoopstad,
Kroonstad, Ladybrand/Excelsior, Parys,
Viljoenskroon, Wesselsbron, Winburg,
Bergville, Pongola, Stellenbosch, Kathu,
Kuruman, Postmasburg



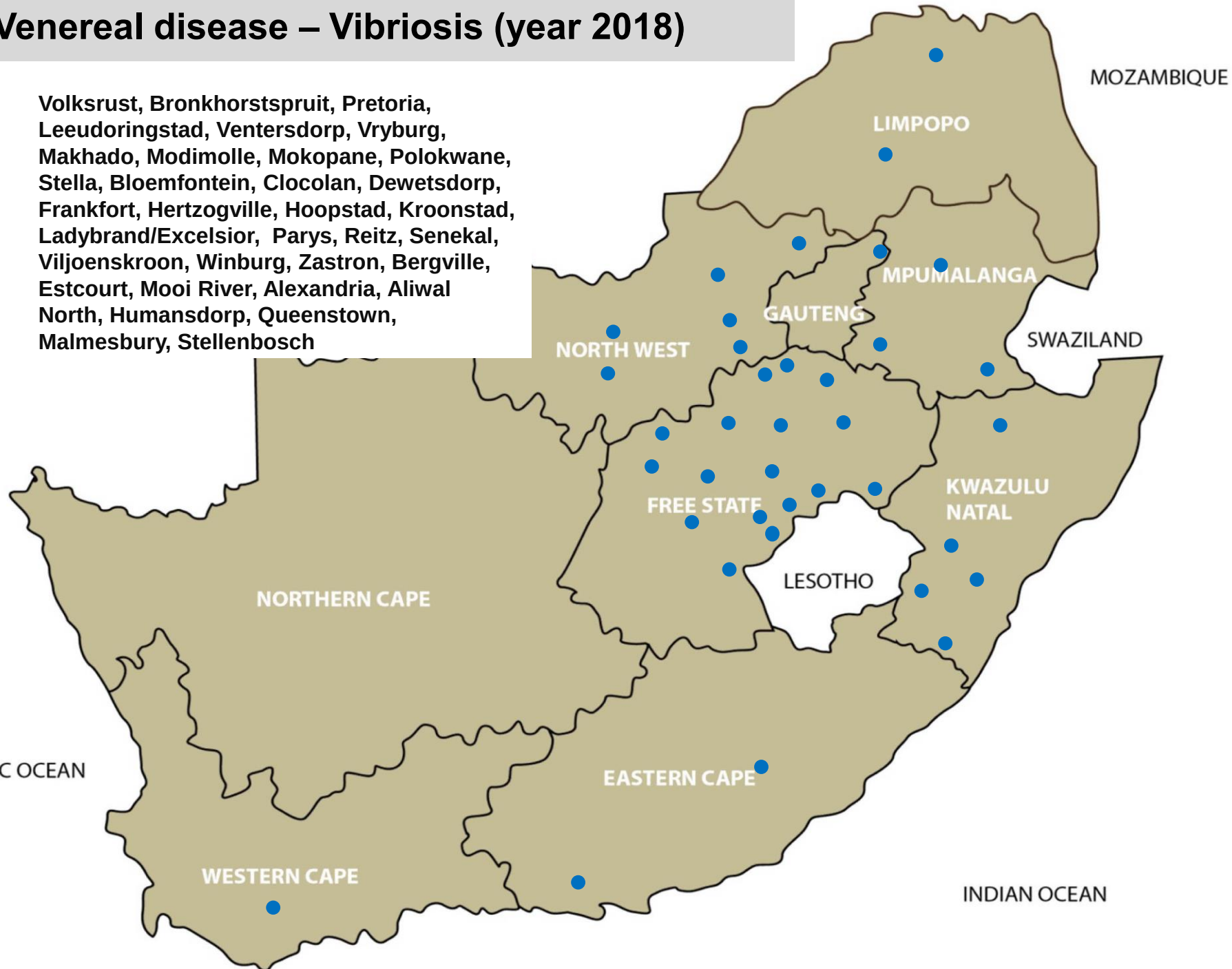
Venereal disease-Trichomonosis (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Hendrina, Lydenburg, Middelburg, Piet Retief, Standerton, Volksrust, Bapsfontein, Pretoria, Makhado, Modimolle, Mokopane, Polokane, Brits, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Stella, Ventersdorp/Koster, Vryburg, Bethlehem, Bloemfontein, Bothaville, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Reitz, Senekal, Viljoenskroon, Villiers, Vrede, Winburg, Zastron, Bergville, Dundee, Howick, Kokstad, Mooi River, Newcastle, Vryheid, Alexandria, Aliwal North, Queenstown, Stellenbosch, Kuruman, Postmasburg



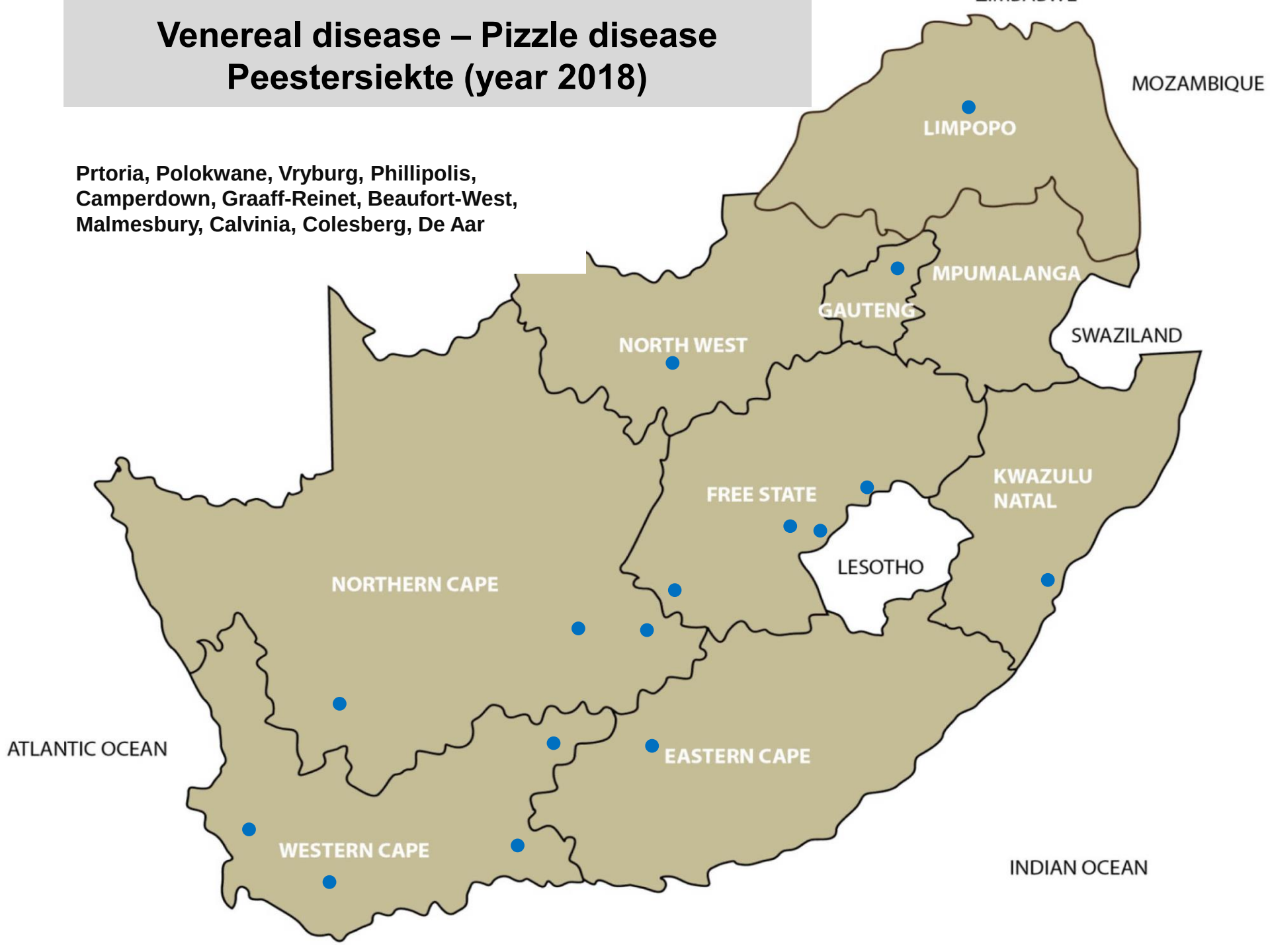
Venereal disease – Vibriosis (year 2018)

Volksrust, Bronkhorstspuit, Pretoria,
Leeudoringstad, Ventersdorp, Vryburg,
Makhado, Modimolle, Mokopane, Polokwane,
Stella, Bloemfontein, Clocolan, Dewetsdorp,
Frankfort, Hertzogville, Hoopstad, Kroonstad,
Ladybrand/Excelsior, Parys, Reitz, Senekal,
Viljoenskroon, Winburg, Zastron, Bergville,
Estcourt, Mooi River, Alexandria, Aliwal
North, Humansdorp, Queenstown,
Malmesbury, Stellenbosch



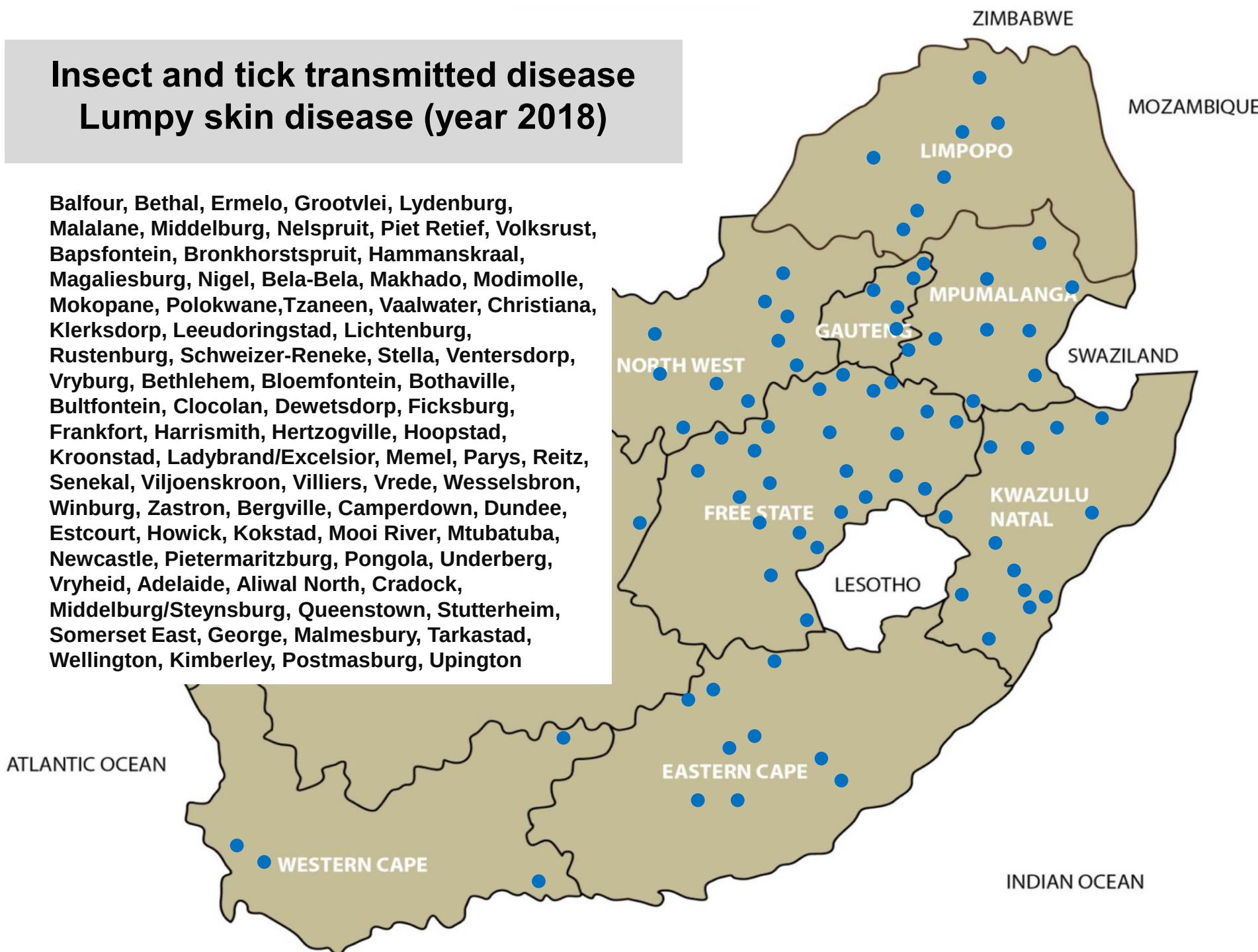
Venereal disease – Pizzle disease Peestersiekte (year 2018)

Pretoria, Polokwane, Vryburg, Phillipolis,
Camperdown, Graaff-Reinet, Beaufort-West,
Malmesbury, Calvinia, Colesberg, De Aar

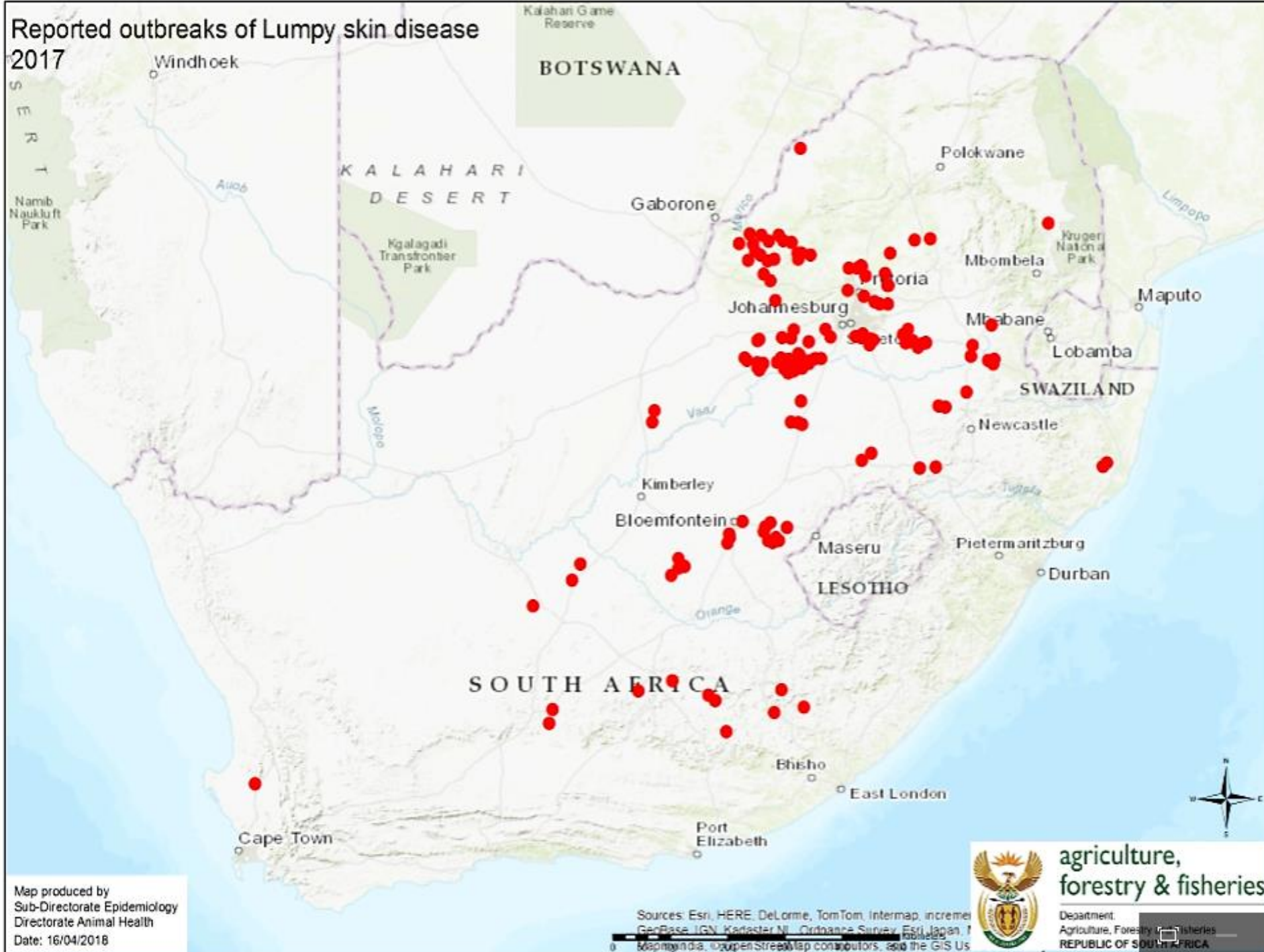


Insect and tick transmitted disease Lumpy skin disease (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Lydenburg, Malalane, Middelburg, Nelspruit, Piet Retief, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Nigel, Bela-Bela, Makhado, Modimolle, Mokopane, Polokwane, Tzaneen, Vaalwater, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Rustenburg, Schweizer-Reneke, Stella, Ventersdorp, Vryburg, Bethlehem, Bloemfontein, Bothaville, Bultfontein, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Reitz, Senekal, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Camperdown, Dundee, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Adelaide, Aliwal North, Cradock, Middelburg/Steynsburg, Queenstown, Stutterheim, Somerset East, George, Malmesbury, Tarkastad, Wellington, Kimberley, Postmasburg, Upington



Reported outbreaks of Lumpy skin disease 2017



Map produced by
Sub-Directorate Epidemiology
Directorate Animal Health
Date: 16/04/2018

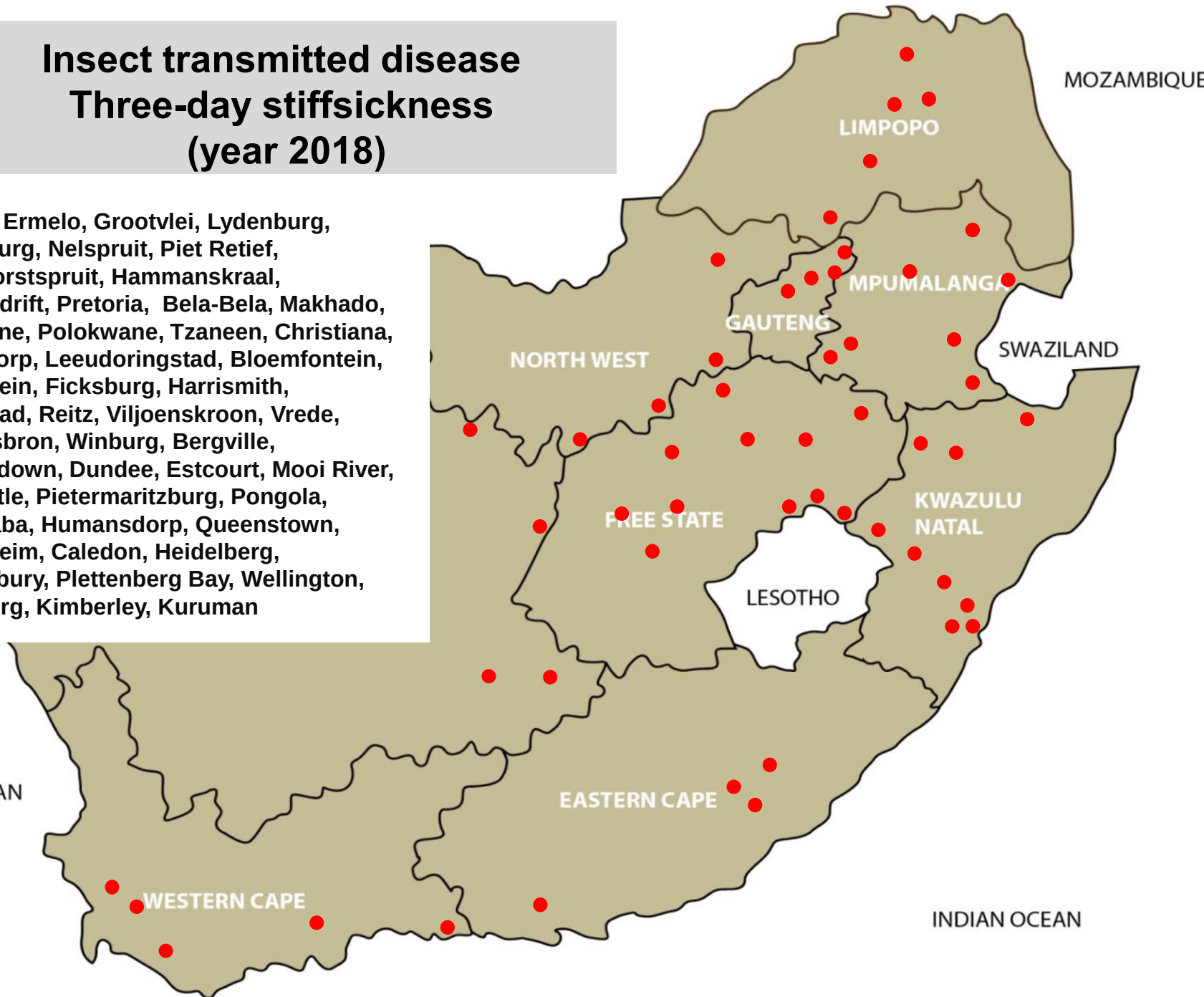
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment
P Corp., GEBCO, IGN, Kartest, Ordnance Survey, Esri Japan, Swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community



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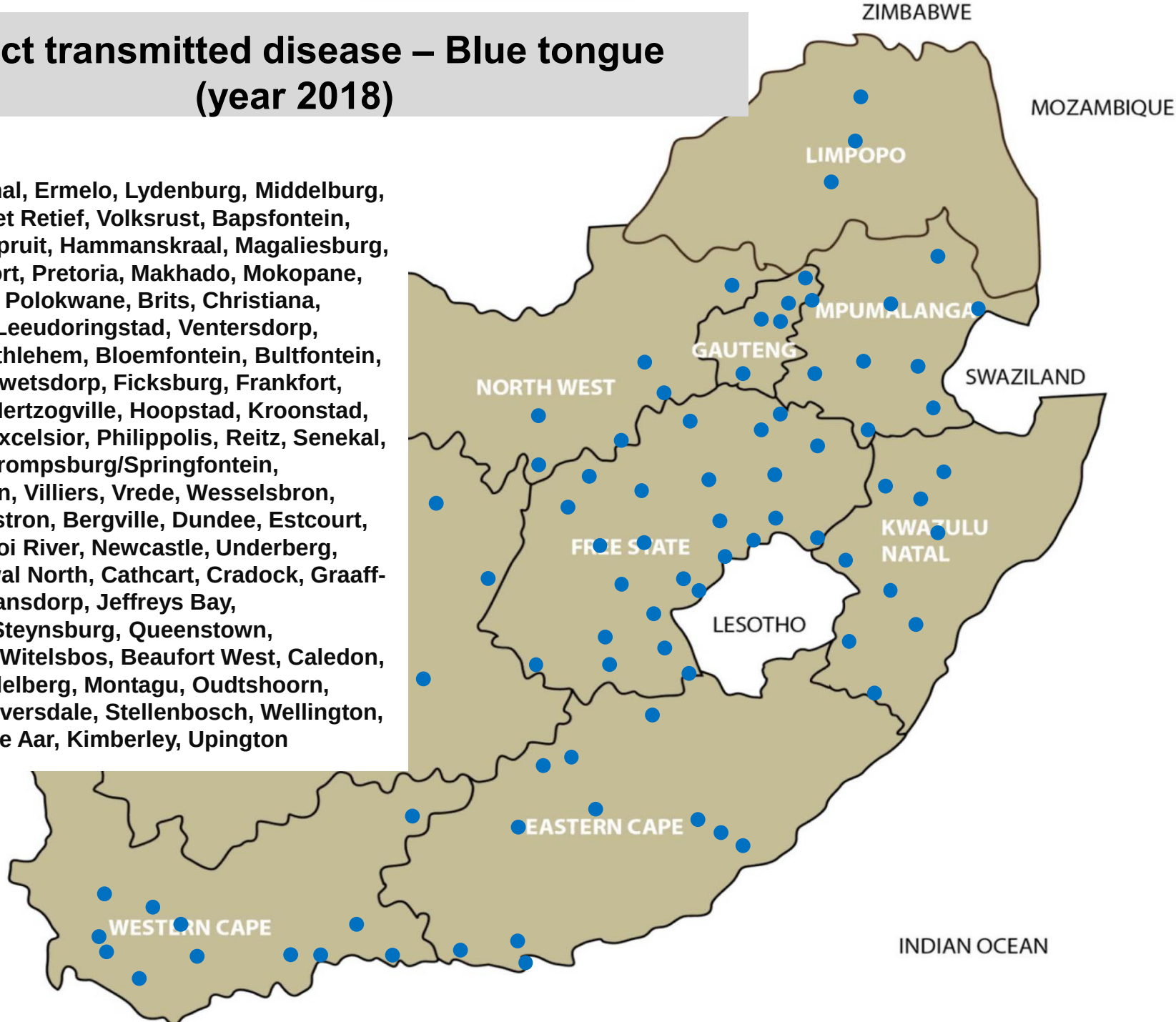
Insect transmitted disease Three-day stiffnessickness (year 2018)

Balfour, Ermelo, Grootvlei, Lydenburg,
Middelburg, Nelspruit, Piet Retief,
Bronkhorstspuit, Hammanskraal,
Muldersdrift, Pretoria, Bela-Bela, Makhado,
Mokopane, Polokwane, Tzaneen, Christiana,
Klerksdorp, Leeudoringstad, Bloemfontein,
Bultfontein, Ficksburg, Harrismith,
Kroonstad, Reitz, Viljoenskroon, Vrede,
Wesselsbron, Winburg, Bergville,
Camperdown, Dundee, Estcourt, Mooi River,
Newcastle, Pietermaritzburg, Pongola,
Cofimvaba, Humansdorp, Queenstown,
Stutterheim, Caledon, Heidelberg,
Malmesbury, Plettenberg Bay, Wellington,
Colesberg, Kimberley, Kuruman



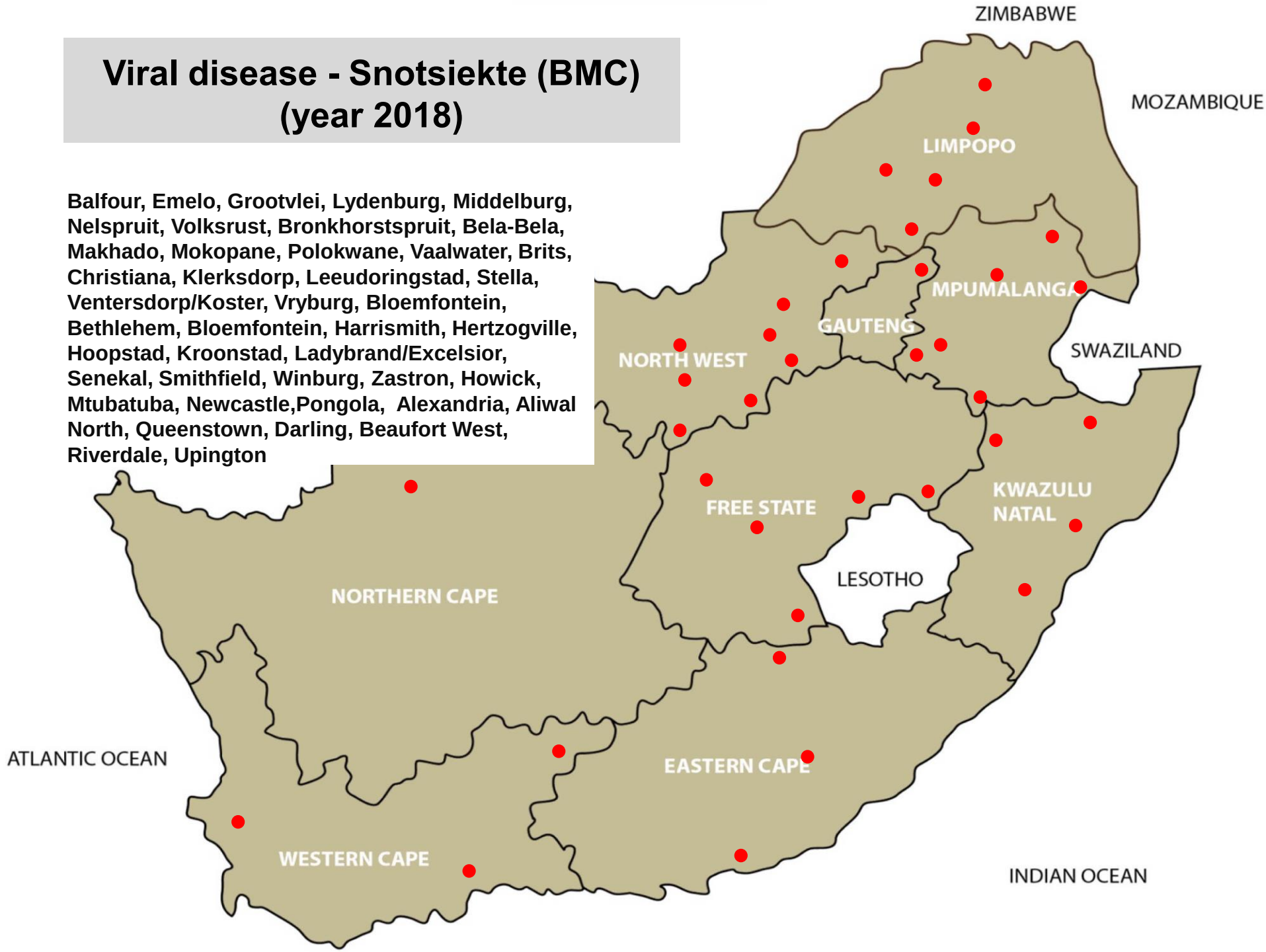
Insect transmitted disease – Blue tongue (year 2018)

Balfour, Bethal, Ermelo, Lydenburg, Middelburg, Nelspruit, Piet Retief, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Onderstepoort, Pretoria, Makhado, Mokopane, Muldersdrift, Polokwane, Brits, Christiana, Klerksdorp, Leeudoringstad, Ventersdorp, Vryburg, Bethlehem, Bloemfontein, Bultfontein, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Philippolis, Reitz, Senekal, Smithfield, Trompsburg/Springfontein, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Dundee, Estcourt, Kokstad, Mooi River, Newcastle, Underberg, Vryheid, Aliwal North, Cathcart, Cradock, Graaff-Reinet, Humansdorp, Jeffreys Bay, Middelburg/Steynsburg, Queenstown, Stutterheim, Witelsbos, Beaufort West, Caledon, George, Heidelberg, Montagu, Oudtshoorn, Piketberg, Riversdale, Stellenbosch, Wellington, Worcester, De Aar, Kimberley, Upington

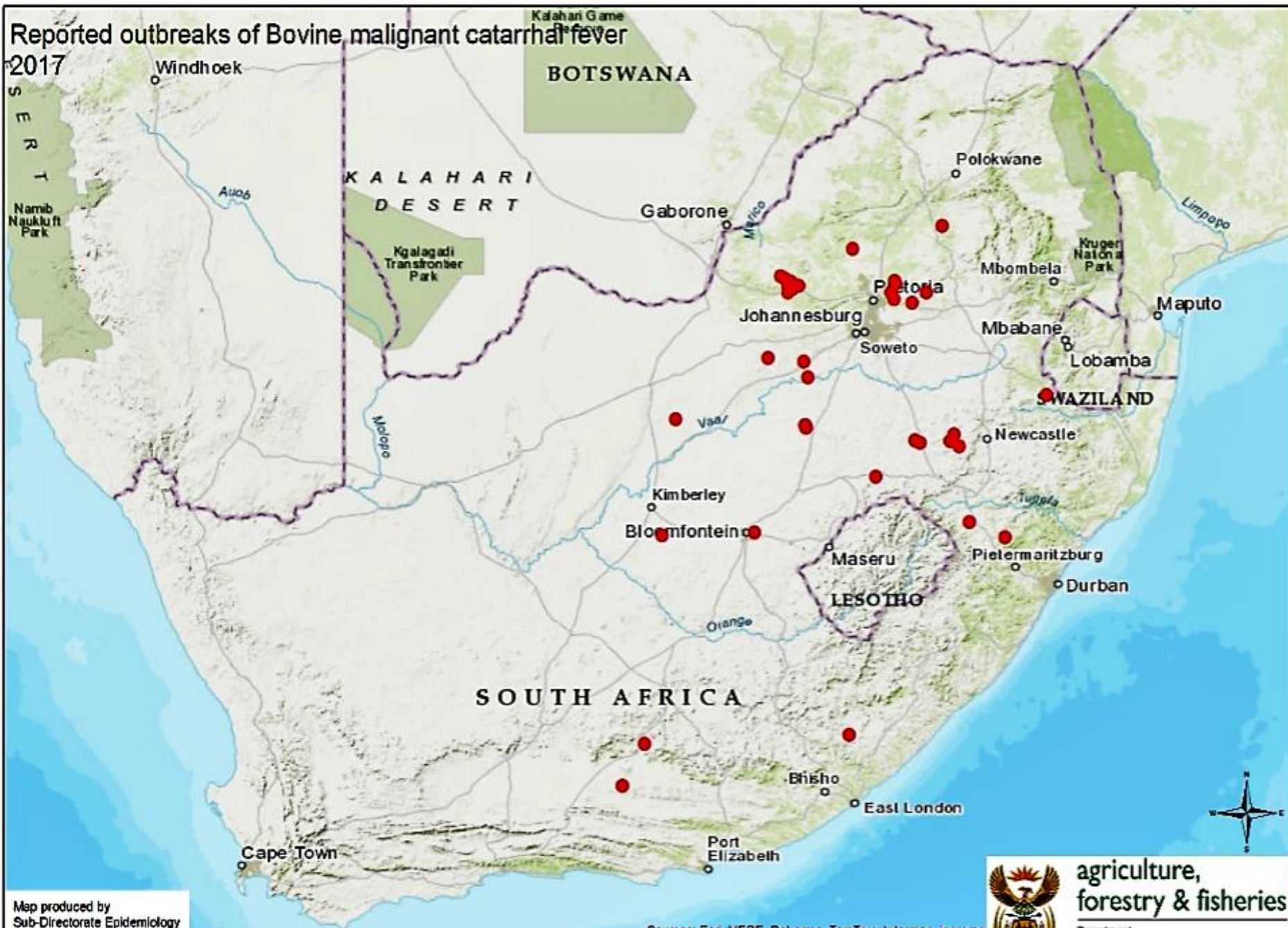


Viral disease - Snotsiekte (BMC) (year 2018)

Balfour, Emelo, Grootvlei, Lydenburg, Middelburg, Nelspruit, Volksrust, Bronkhorstspuit, Bela-Bela, Makhado, Mokopane, Polokwane, Vaalwater, Brits, Christiana, Klerksdorp, Leeudoringstad, Stella, Ventersdorp/Koster, Vryburg, Bloemfontein, Bethlehem, Bloemfontein, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Senekal, Smithfield, Winburg, Zastron, Howick, Mtubatuba, Newcastle, Pongola, Alexandria, Aliwal North, Queenstown, Darling, Beaufort West, Riverdale, Upington

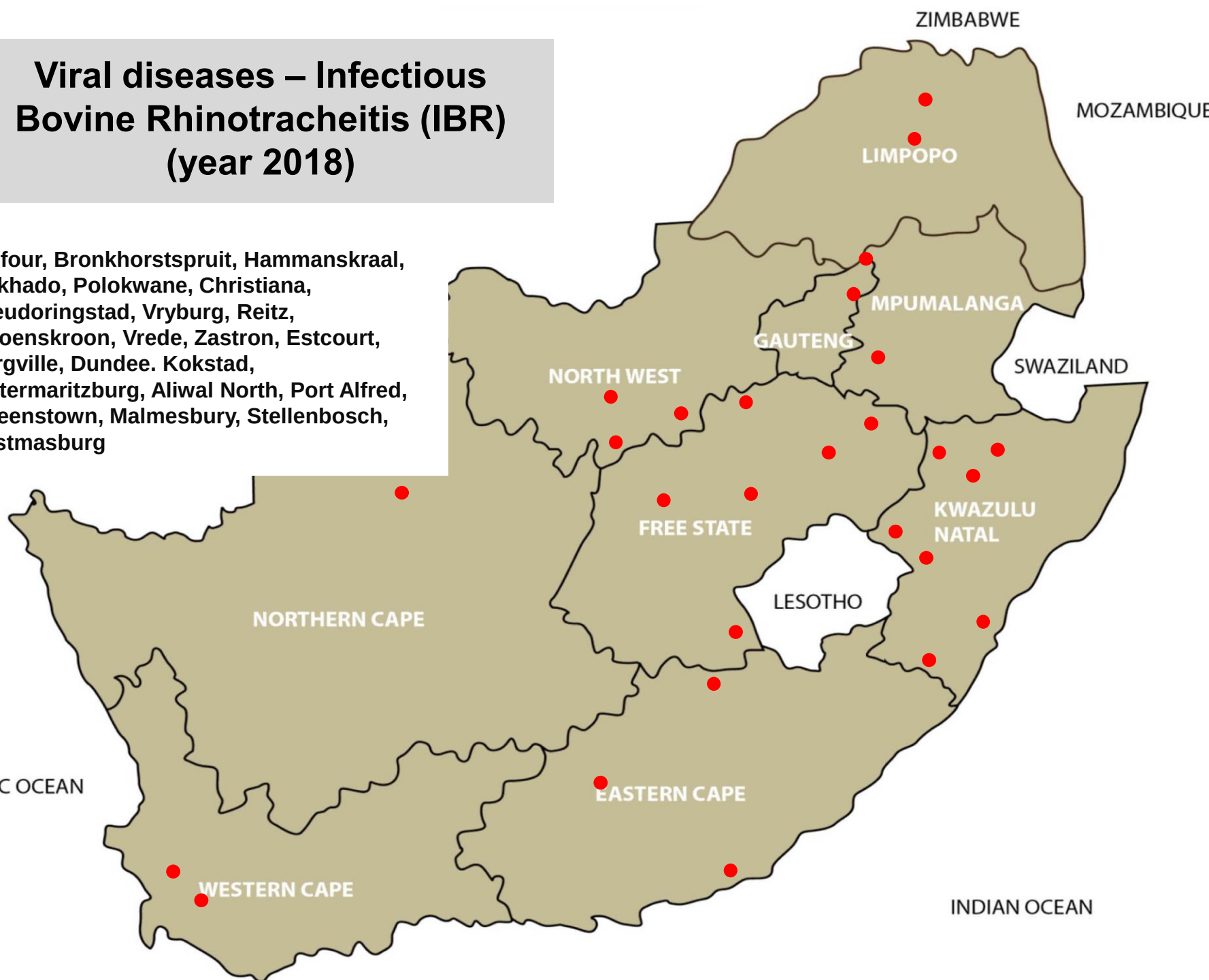


Reported outbreaks of Bovine malignant catarrhal fever 2017



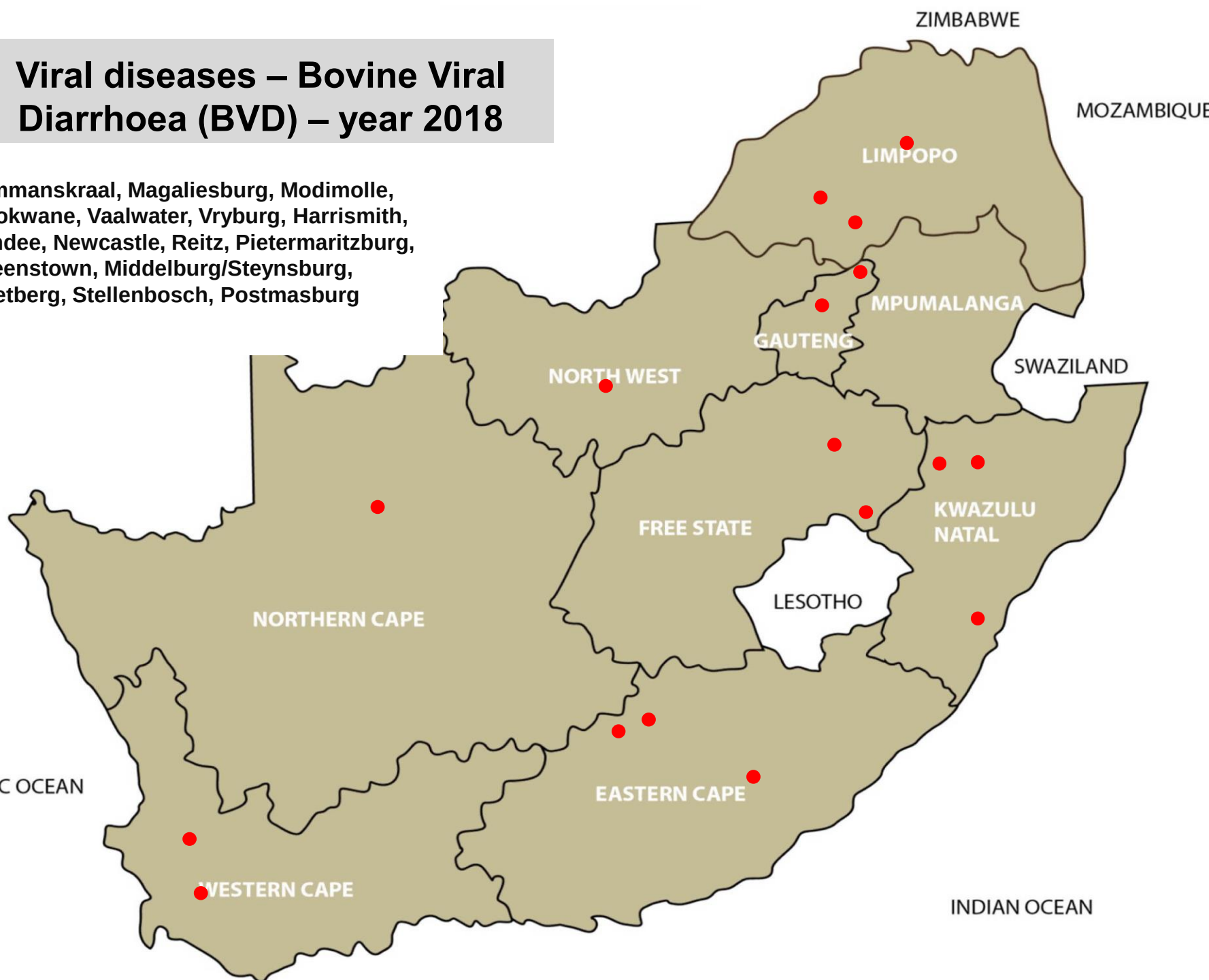
Viral diseases – Infectious Bovine Rhinotracheitis (IBR) (year 2018)

Balfour, Bronkhorstspuit, Hammanskraal,
Makhado, Polokwane, Christiana,
Leeudoringstad, Vryburg, Reitz,
Viljoenskroon, Vrede, Zastron, Estcourt,
Bergville, Dundee, Kokstad,
Pietermaritzburg, Aliwal North, Port Alfred,
Queenstown, Malmesbury, Stellenbosch,
Postmasburg



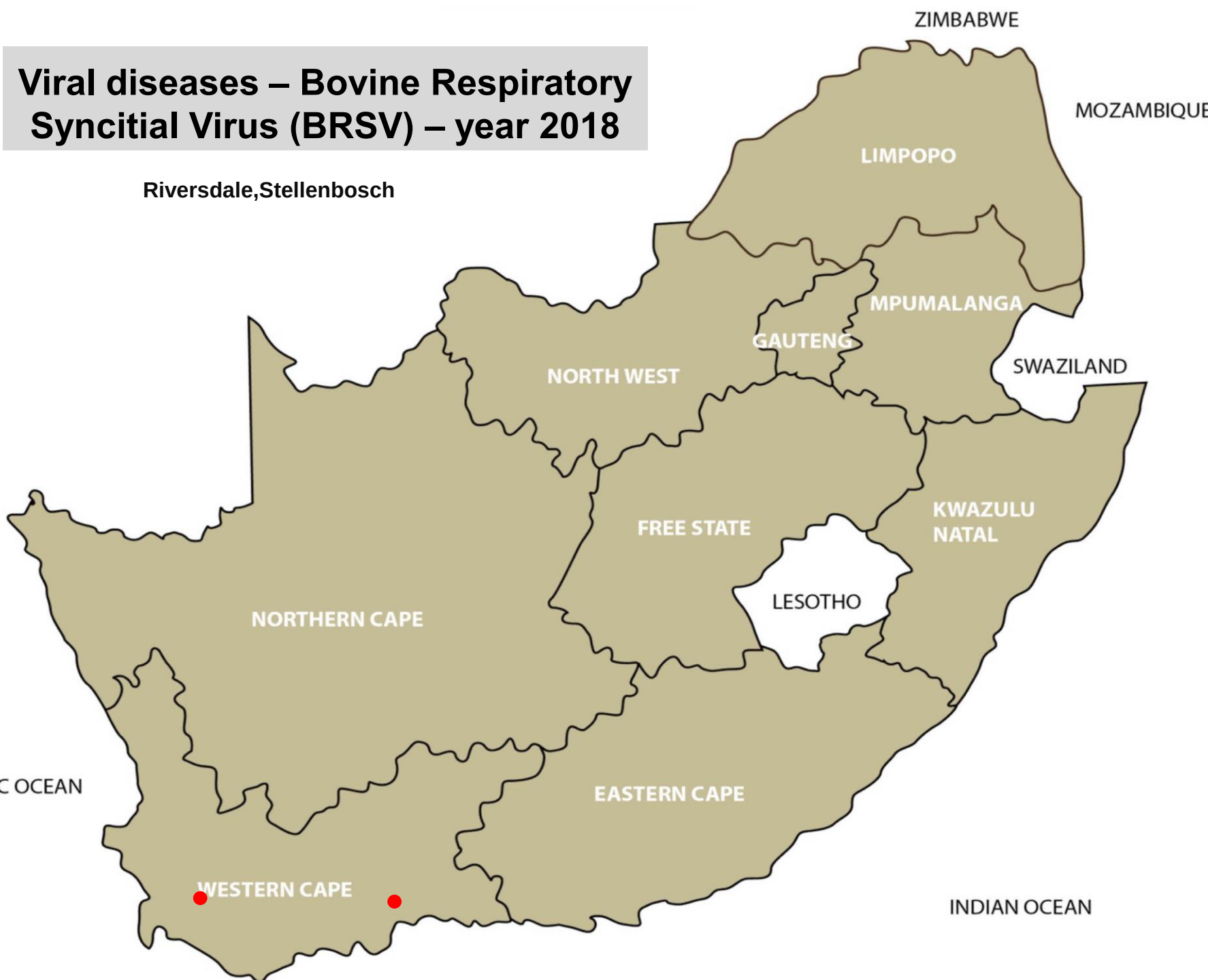
Viral diseases – Bovine Viral Diarrhoea (BVD) – year 2018

Hammanskraal, Magaliesburg, Modimolle, Polokwane, Vaalwater, Vryburg, Harrismith, Dundee, Newcastle, Reitz, Pietermaritzburg, Queenstown, Middelburg/Steynsburg, Piketberg, Stellenbosch, Postmasburg



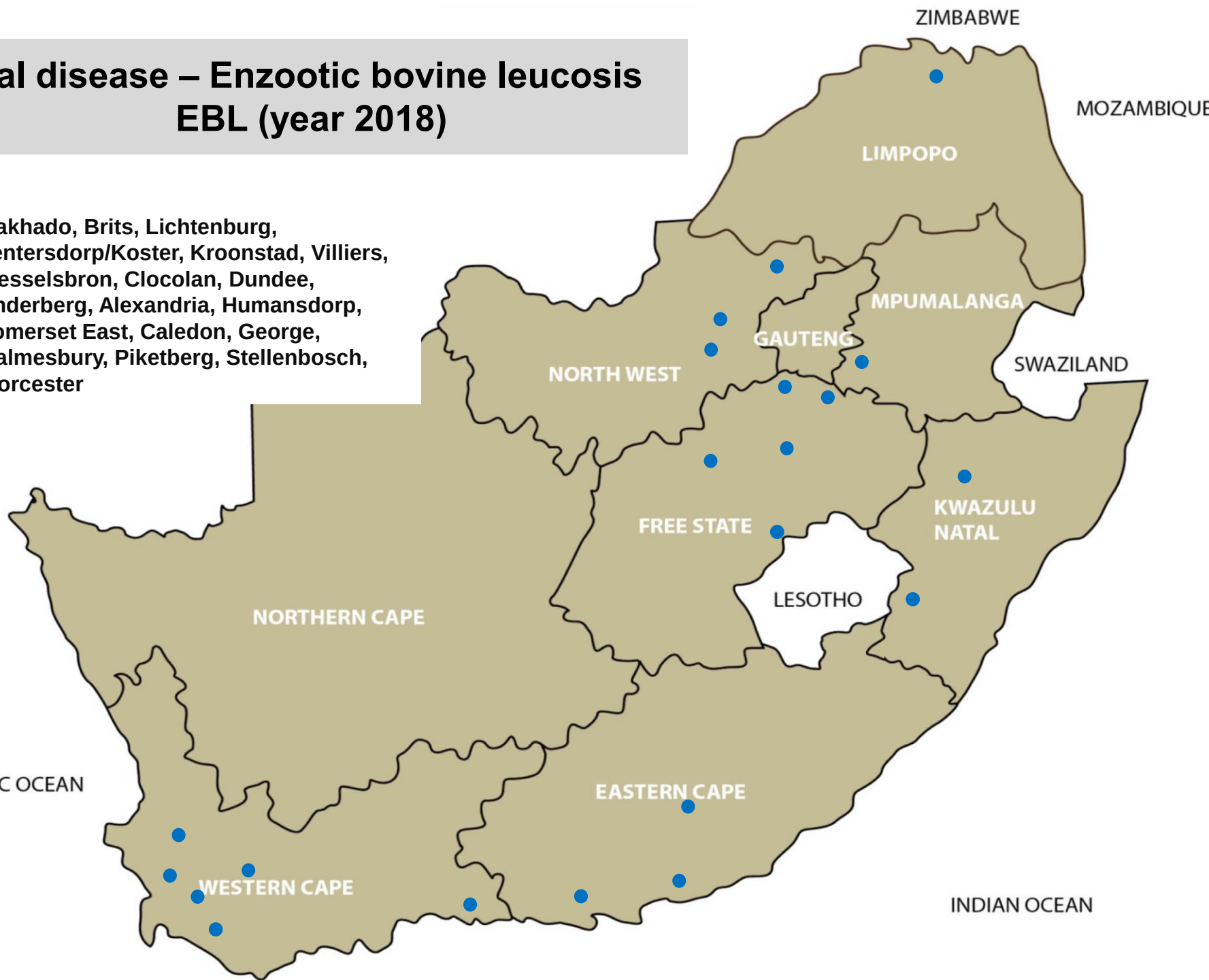
Viral diseases – Bovine Respiratory Syncytial Virus (BRSV) – year 2018

Riversdale, Stellenbosch



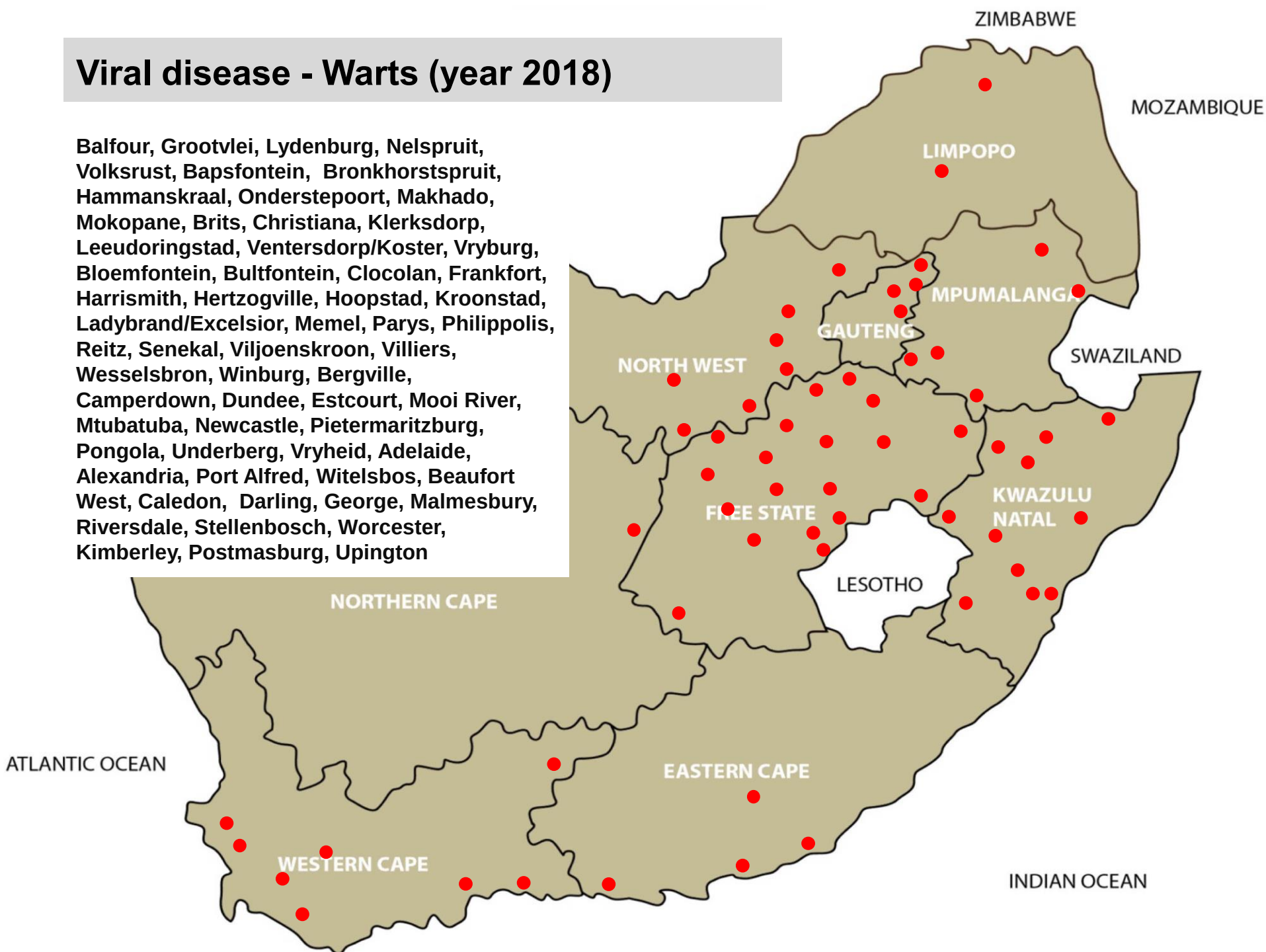
Viral disease – Enzootic bovine leucosis EBL (year 2018)

Makhado, Brits, Lichtenburg,
Ventersdorp/Koster, Kroonstad, Villiers,
Wesselsbron, Clocolan, Dundee,
Underberg, Alexandria, Humansdorp,
Somerset East, Caledon, George,
Malmesbury, Piketberg, Stellenbosch,
Worcester



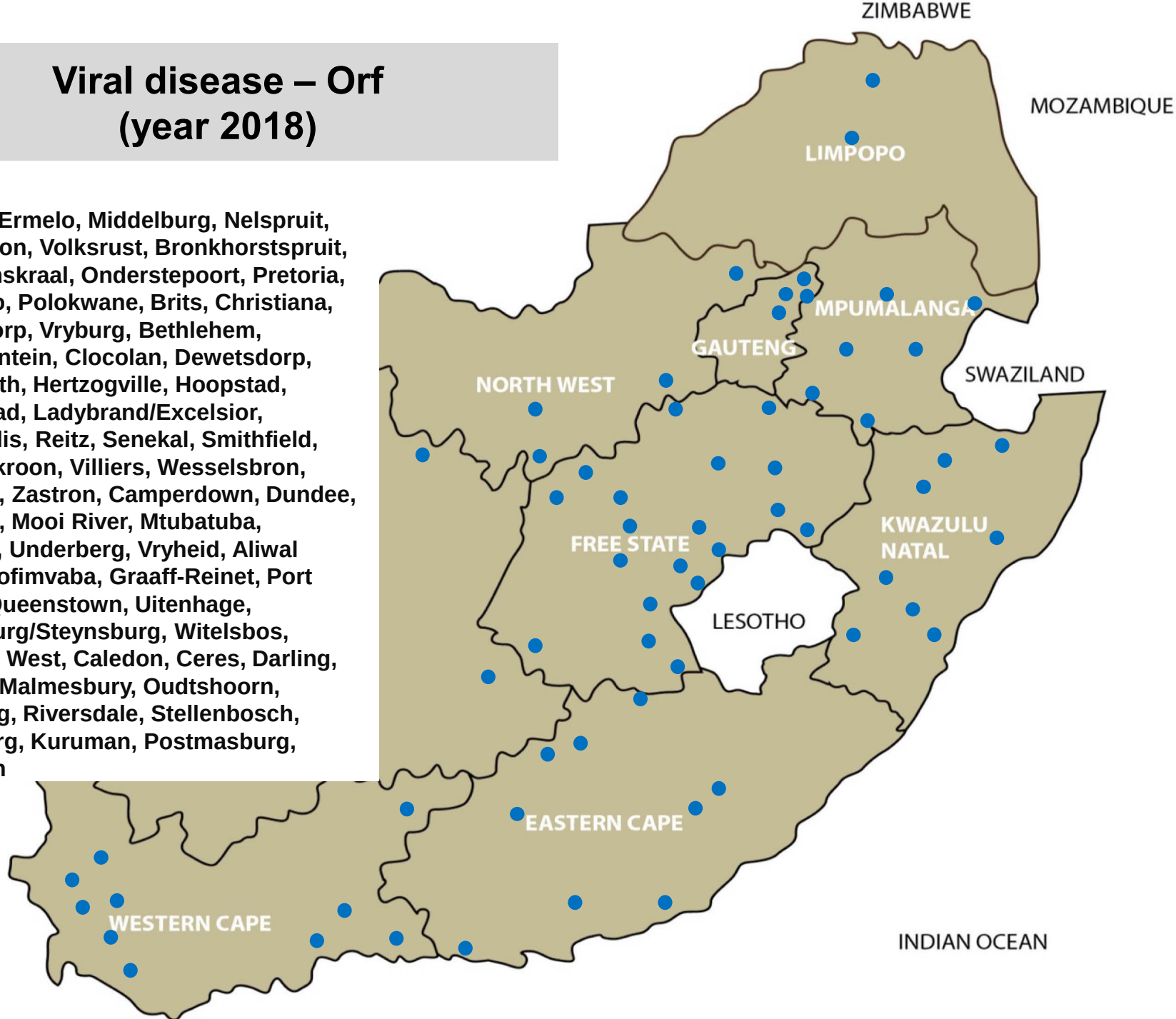
Viral disease - Warts (year 2018)

Balfour, Grootvlei, Lydenburg, Nelspruit, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Onderstepoort, Makhado, Mokopane, Brits, Christiana, Klerksdorp, Leeudoringstad, Ventersdorp/Koster, Vryburg, Bloemfontein, Bultfontein, Clocolan, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Philippolis, Reitz, Senekal, Viljoenskroon, Villiers, Wesselsbron, Winburg, Bergville, Camperdown, Dundee, Estcourt, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Adelaide, Alexandria, Port Alfred, Witelsbos, Beaufort West, Caledon, Darling, George, Malmesbury, Riversdale, Stellenbosch, Worcester, Kimberley, Postmasburg, Upington



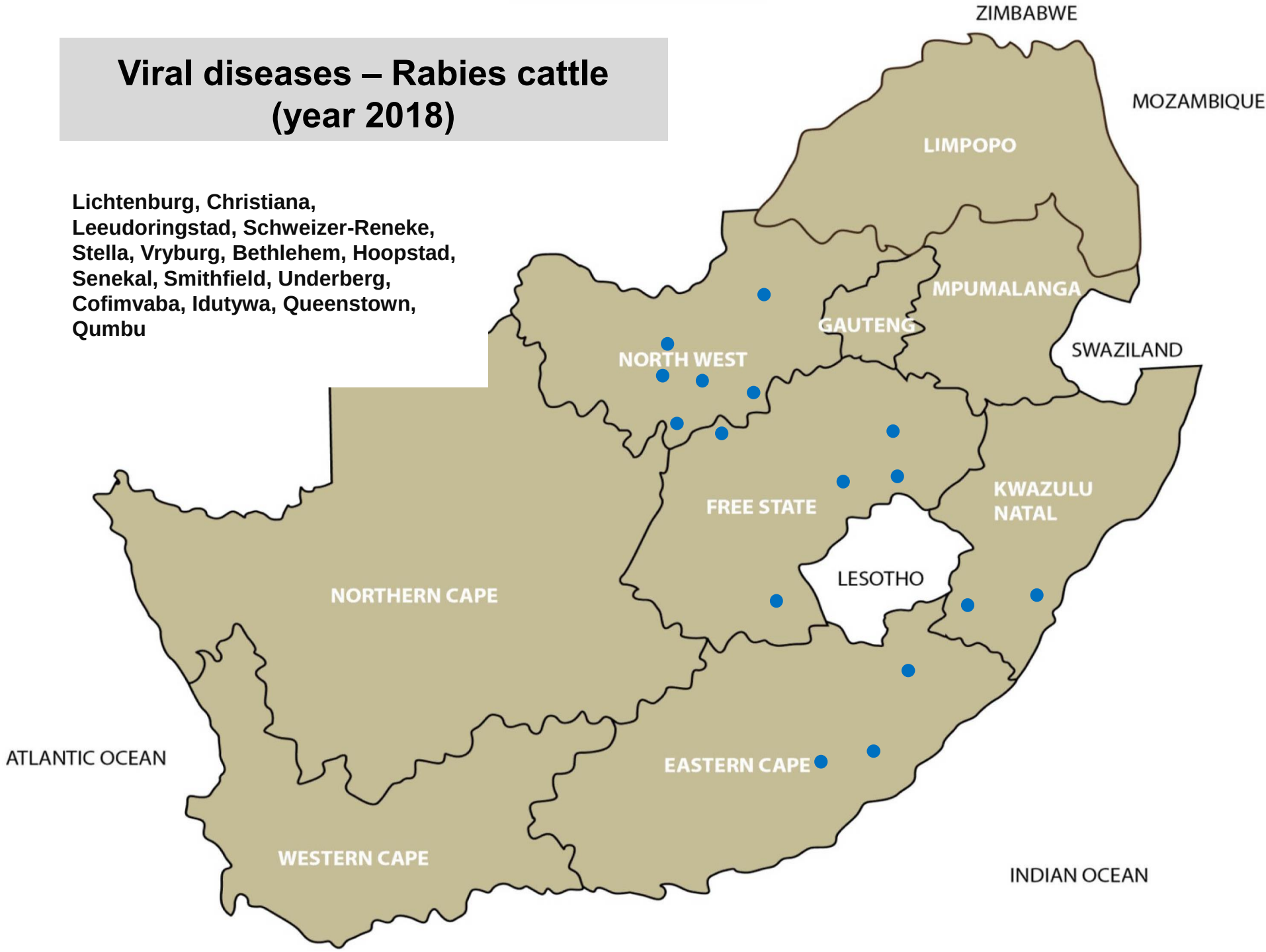
Viral disease – Orf (year 2018)

Balfour, Ermelo, Middelburg, Nelspruit, Standerton, Volksrust, Bronkhorstspuit, Hammanskraal, Onderstepoort, Pretoria, Makhado, Polokwane, Brits, Christiana, Klerksdorp, Vryburg, Bethlehem, Bloemfontein, Clocolan, Dewetsdorp, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Philippolis, Reitz, Senekal, Smithfield, Viljoenskroon, Villiers, Wesselsbron, Winburg, Zastron, Camperdown, Dundee, Estcourt, Mooi River, Mtubatuba, Pongola, Underberg, Vryheid, Aliwal North, Cofimvaba, Graaff-Reinet, Port Alfred, Queenstown, Uitenhage, Middelburg/Steynsburg, Witelsbos, Beaufort West, Caledon, Ceres, Darling, George, Malmesbury, Oudtshoorn, Piketberg, Riversdale, Stellenbosch, Colesberg, Kuruman, Postmasburg, Upington

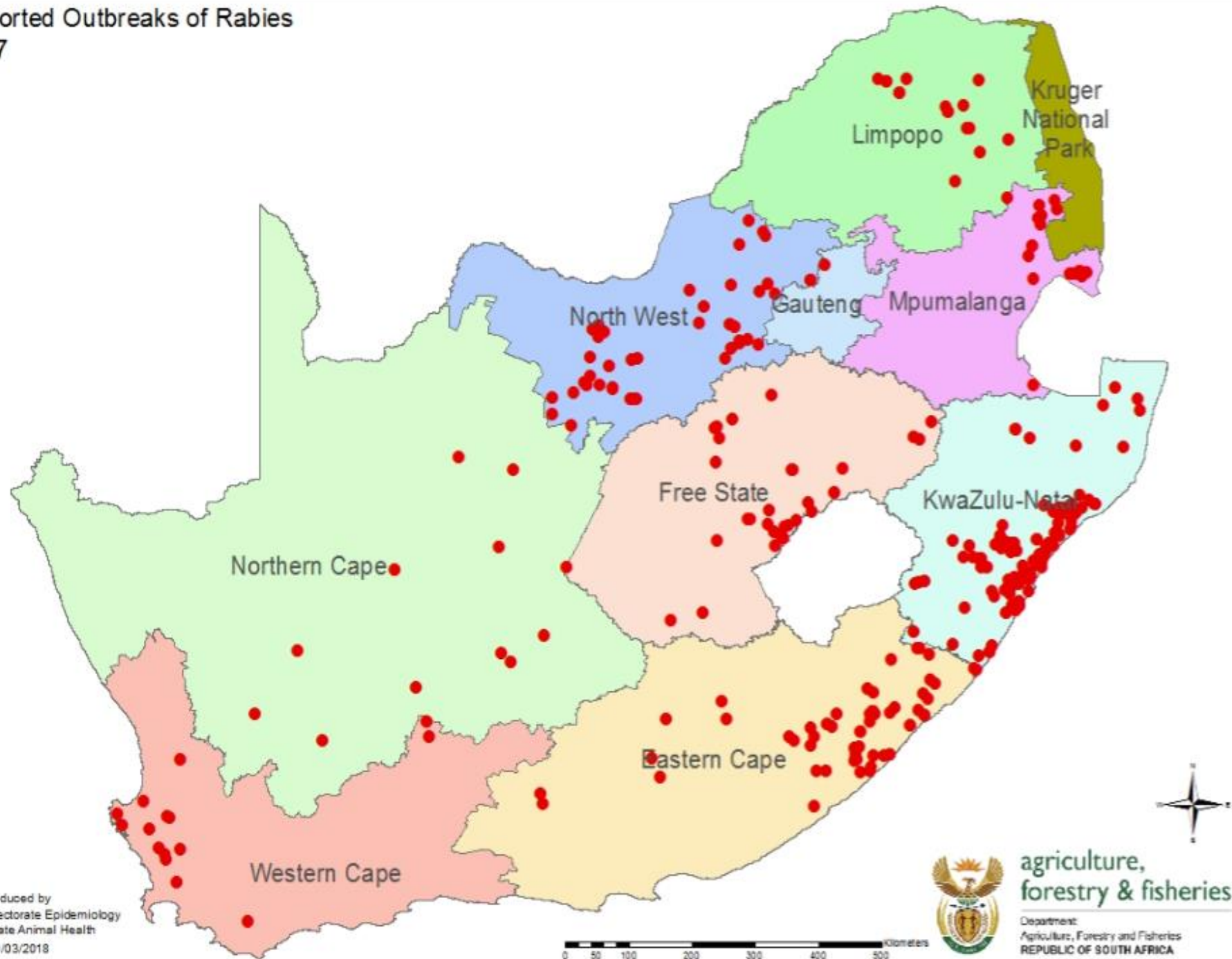


Viral diseases – Rabies cattle (year 2018)

Lichtenburg, Christiana,
Leeudoringstad, Schweizer-Reneke,
Stella, Vryburg, Bethlehem, Hoopstad,
Senekal, Smithfield, Underberg,
Cofimvaba, Idutywa, Queenstown,
Qumbu



Reported Outbreaks of Rabies 2017



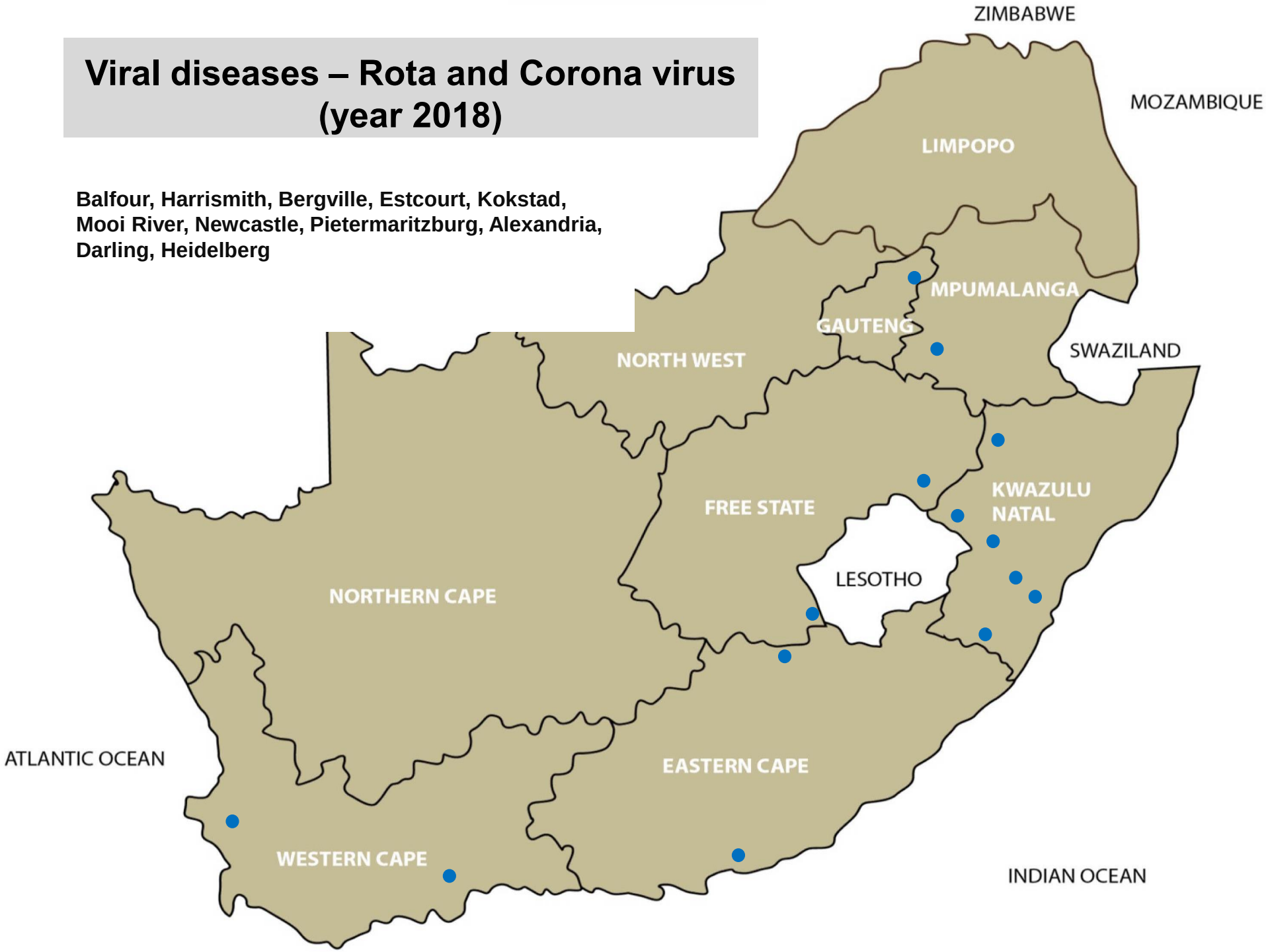
Viral diseases – Jaagsiekte (year 2018)

Bronkhorstspuit, Zastron, Aliwal
North, Beaufort West



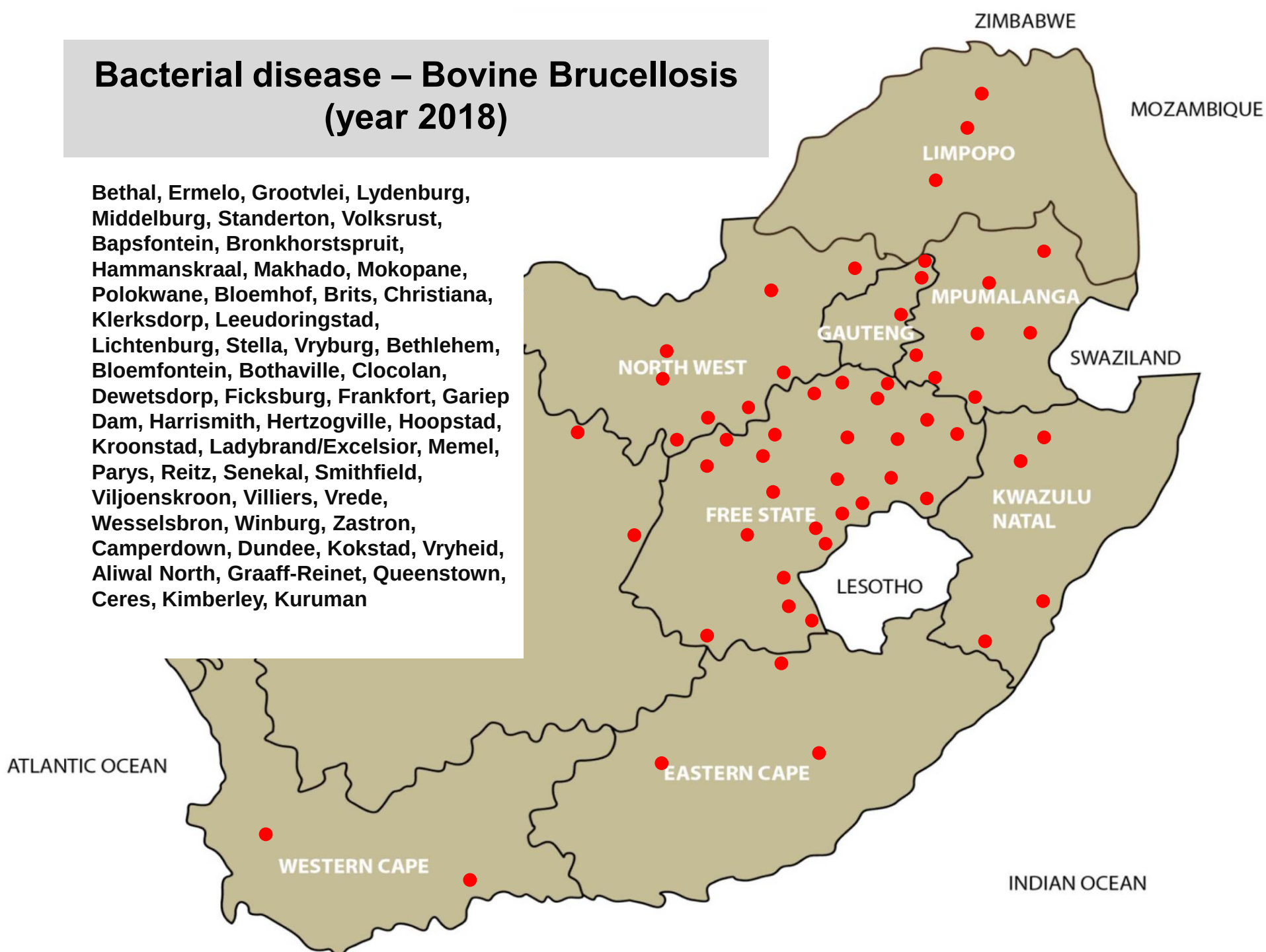
Viral diseases – Rota and Corona virus (year 2018)

Balfour, Harrismith, Bergville, Estcourt, Kokstad,
Mooi River, Newcastle, Pietermaritzburg, Alexandria,
Darling, Heidelberg

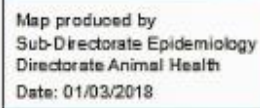


Bacterial disease – Bovine Brucellosis (year 2018)

Bethal, Ermelo, Grootvlei, Lydenburg, Middelburg, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Makhado, Mokopane, Polokwane, Bloemhof, Brits, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Stella, Vryburg, Bethlehem, Bloemfontein, Bothaville, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Gariep Dam, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Reitz, Senekal, Smithfield, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Camperdown, Dundee, Kokstad, Vryheid, Aliwal North, Graaff-Reinet, Queenstown, Ceres, Kimberley, Kuruman



2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment
GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, N
Macedonia, Swisstopo, Mapbox, and the GIS User

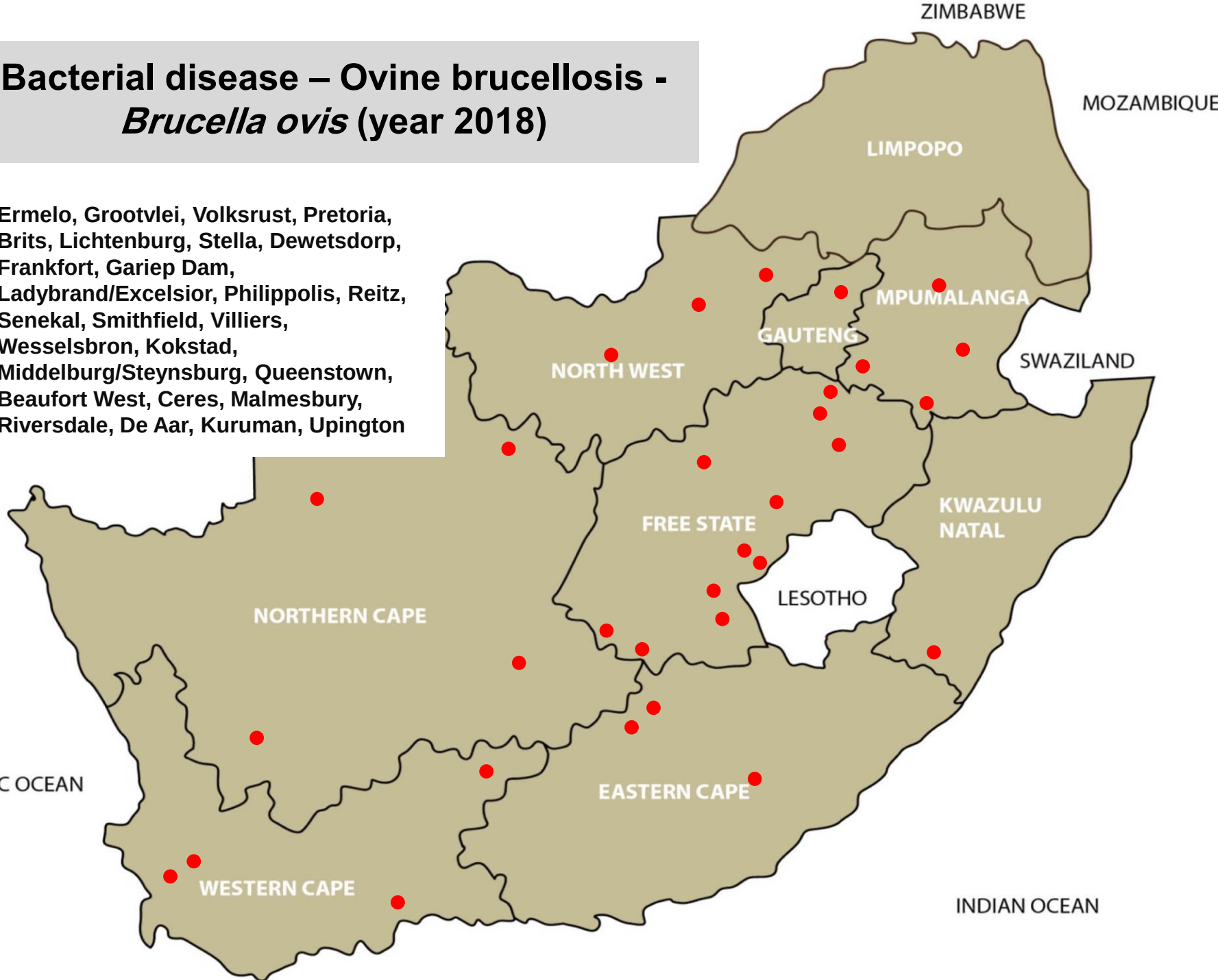


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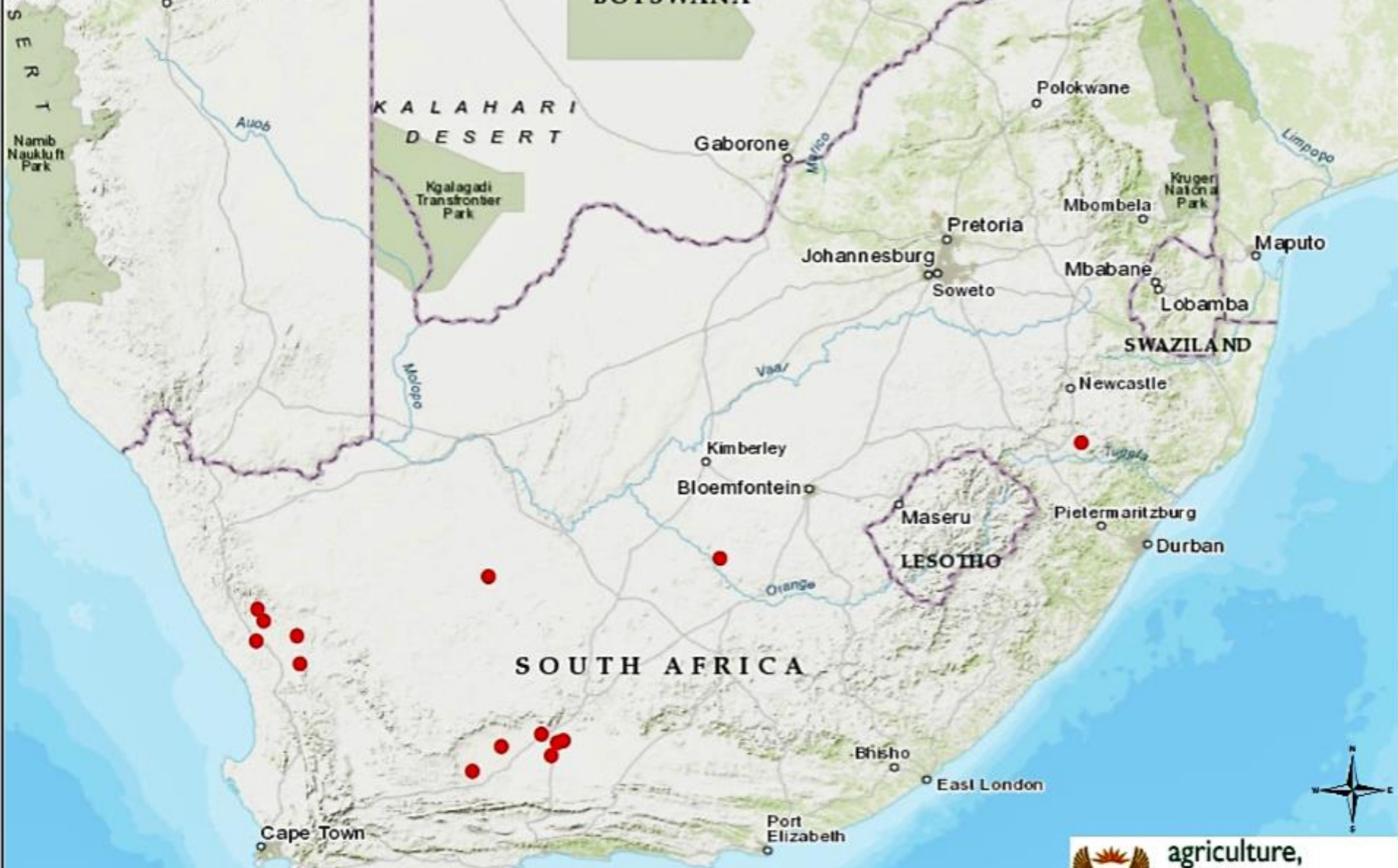
Bacterial disease – Ovine brucellosis - *Brucella ovis* (year 2018)

Ermelo, Grootvlei, Volksrust, Pretoria,
Brits, Lichtenburg, Stella, Dewetsdorp,
Frankfort, Gariep Dam,
Ladybrand/Excelsior, Philippolis, Reitz,
Senekal, Smithfield, Villiers,
Wesselsbron, Kokstad,
Middelburg/Steynsburg, Queenstown,
Beaufort West, Ceres, Malmesbury,
Riversdale, De Aar, Kuruman, Upington



Reported outbreaks of Brucella ovis

2017



Map produced by
Sub-Directorate Epidemiology
Directorate Animal Health
Date: 16/04/2018

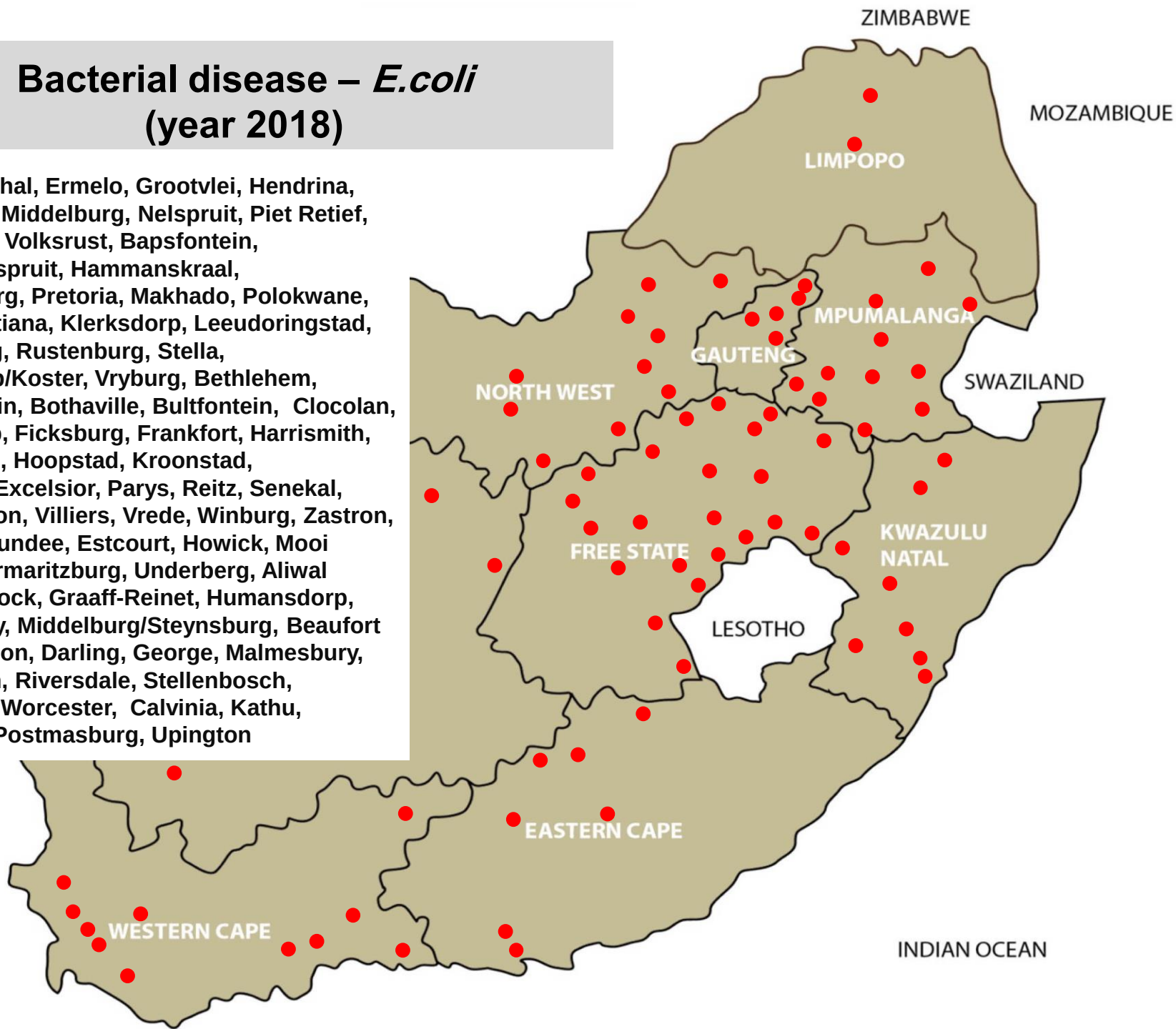
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment
GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, I
Mapbox, Swatch, OpenStreetMap contributors, and the GIS User



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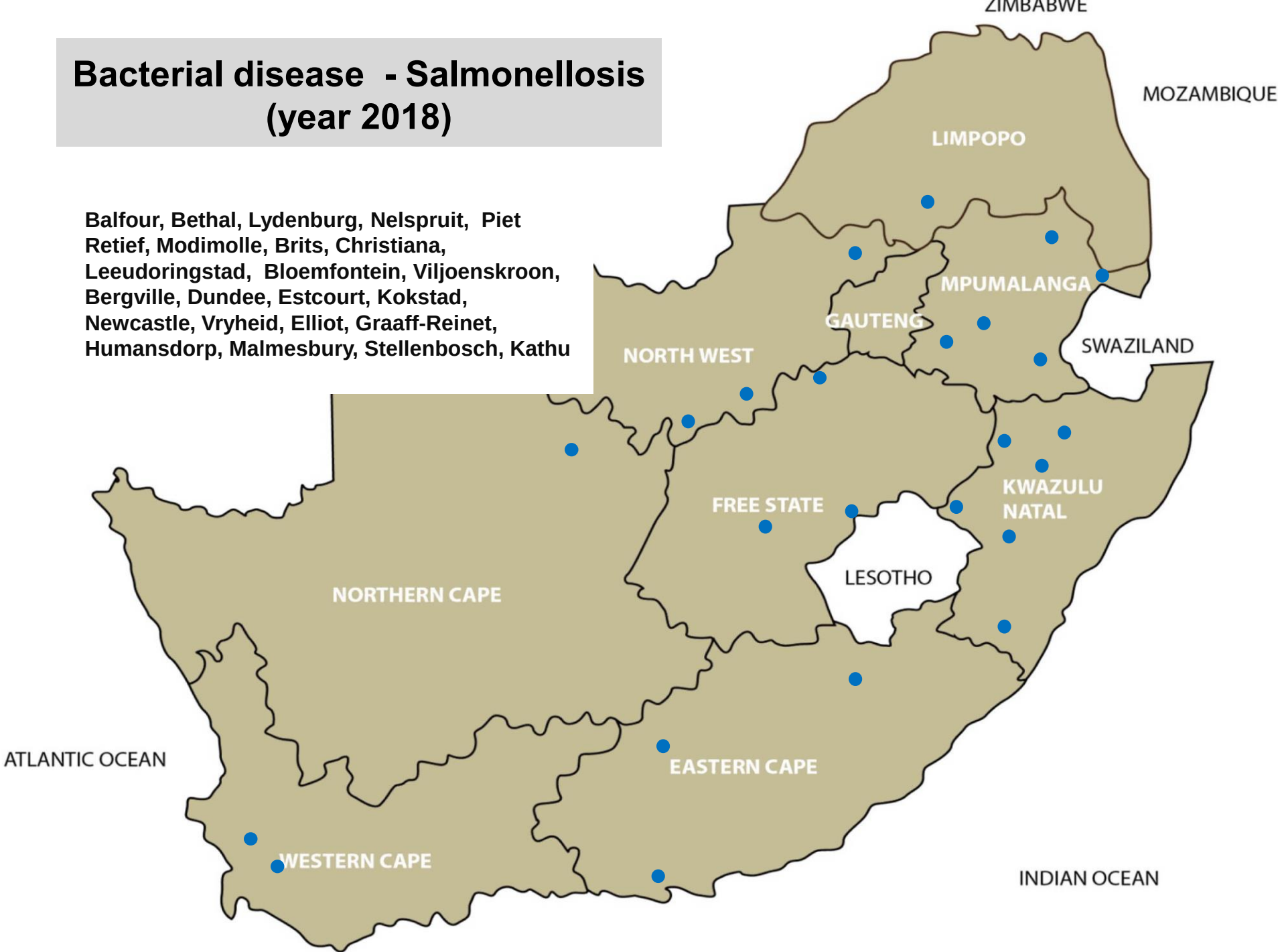
Bacterial disease – *E.coli* (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Hendrina, Lydenburg, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Magaliesburg, Pretoria, Makhado, Polokwane, Brits, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Rustenburg, Stella, Ventersdorp/Koster, Vryburg, Bethlehem, Bloemfontein, Bothaville, Bultfontein, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Parys, Reitz, Senekal, Viljoenskroon, Villiers, Vrede, Winburg, Zastron, Bergville, Dundee, Estcourt, Howick, Mooi River, Pietermaritzburg, Underberg, Aliwal North, Cradock, Graaff-Reinet, Humansdorp, Jeffreys Bay, Middelburg/Steynsburg, Beaufort West, Caledon, Darling, George, Malmesbury, Oudtshoorn, Riversdale, Stellenbosch, Wellington, Worcester, Calvinia, Kathu, Kimberley, Postmasburg, Upington



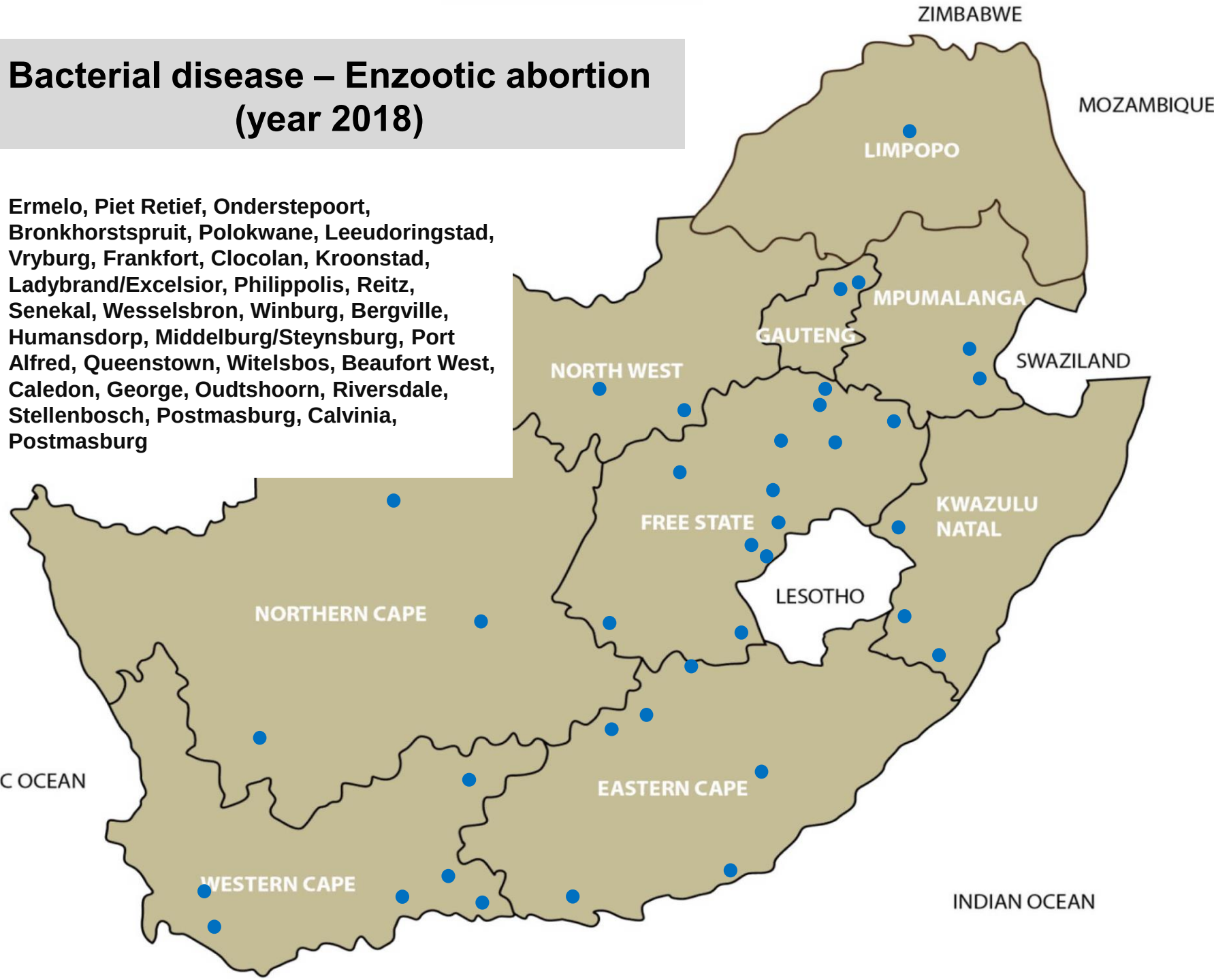
Bacterial disease - Salmonellosis (year 2018)

Balfour, Bethal, Lydenburg, Nelspruit, Piet Retief, Modimolle, Brits, Christiana, Leeudoringstad, Bloemfontein, Viljoenskroon, Bergville, Dundee, Estcourt, Kokstad, Newcastle, Vryheid, Elliot, Graaff-Reinet, Humansdorp, Malmesbury, Stellenbosch, Kathu



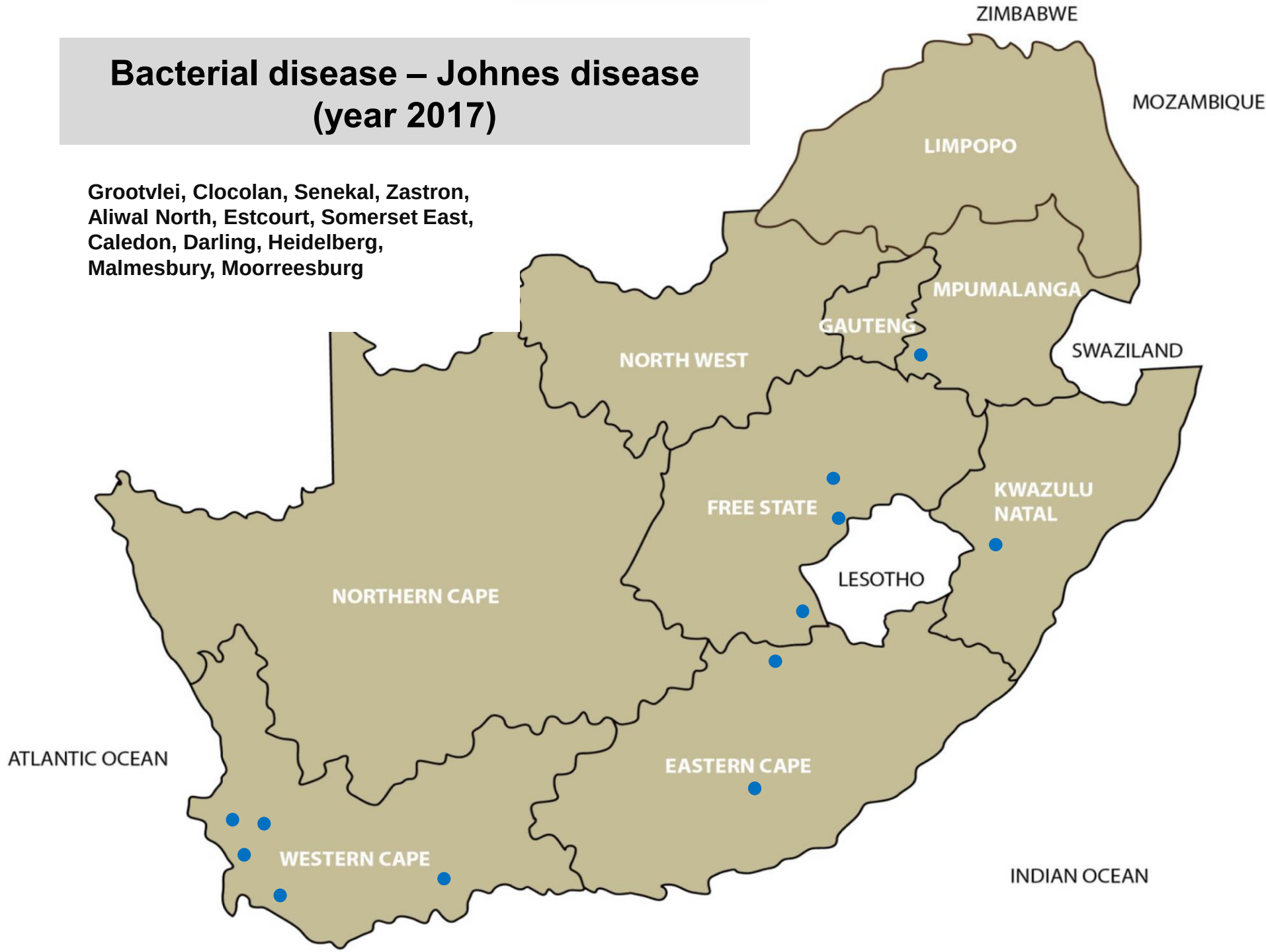
Bacterial disease – Enzoootic abortion (year 2018)

Ermelo, Piet Retief, Onderstepoort, Bronkhorstspuit, Polokwane, Leeudoringstad, Vryburg, Frankfort, Clocolan, Kroonstad, Ladybrand/Excelsior, Philippolis, Reitz, Senekal, Wesselsbron, Winburg, Bergville, Humansdorp, Middelburg/Steynsburg, Port Alfred, Queenstown, Witelsbos, Beaufort West, Caledon, George, Oudtshoorn, Riversdale, Stellenbosch, Postmasburg, Calvinia, Postmasburg

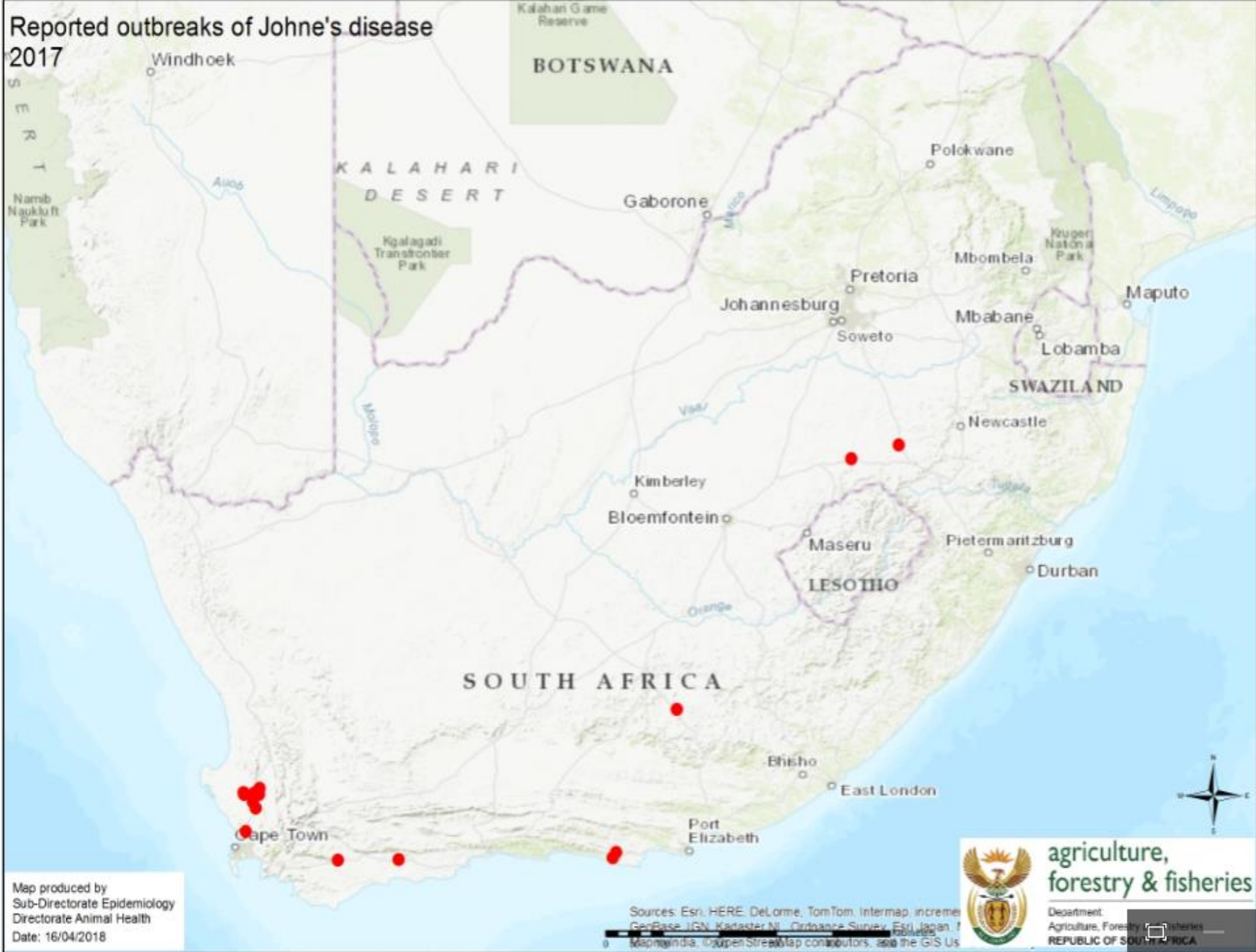


Bacterial disease – Johnes disease (year 2017)

Grootvlei, Clocolan, Senekal, Zastron,
Aliwal North, Estcourt, Somerset East,
Caledon, Darling, Heidelberg,
Malmesbury, Moorreesburg



Reported outbreaks of Johne's disease 2017



Map produced by
Sub-Directorate Epidemiology
Directorate Animal Health
Date: 16/04/2018

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment
Picta, IGN, Kantamir, NGA, Ordnance Survey, Esri Japan, Swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community

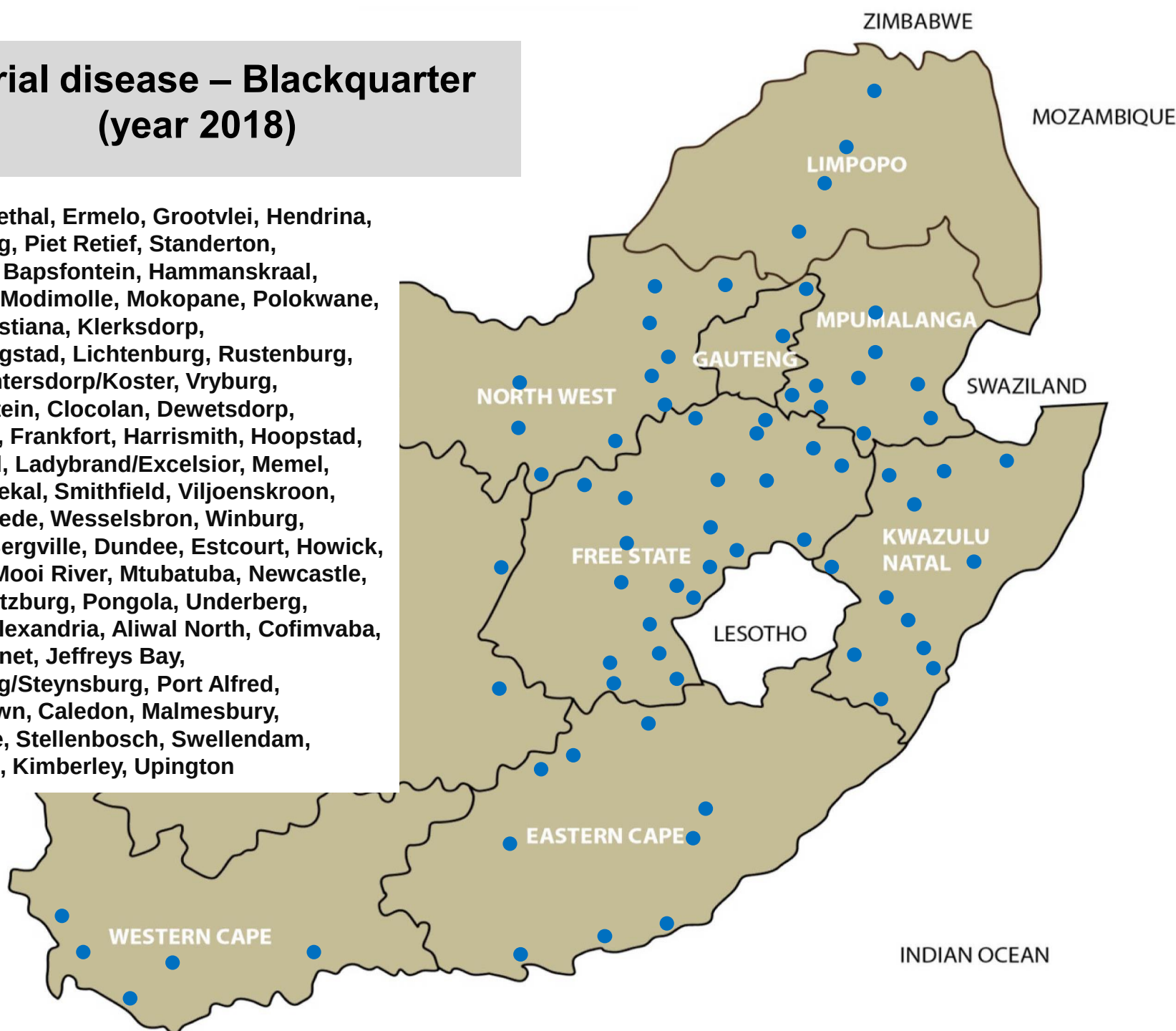


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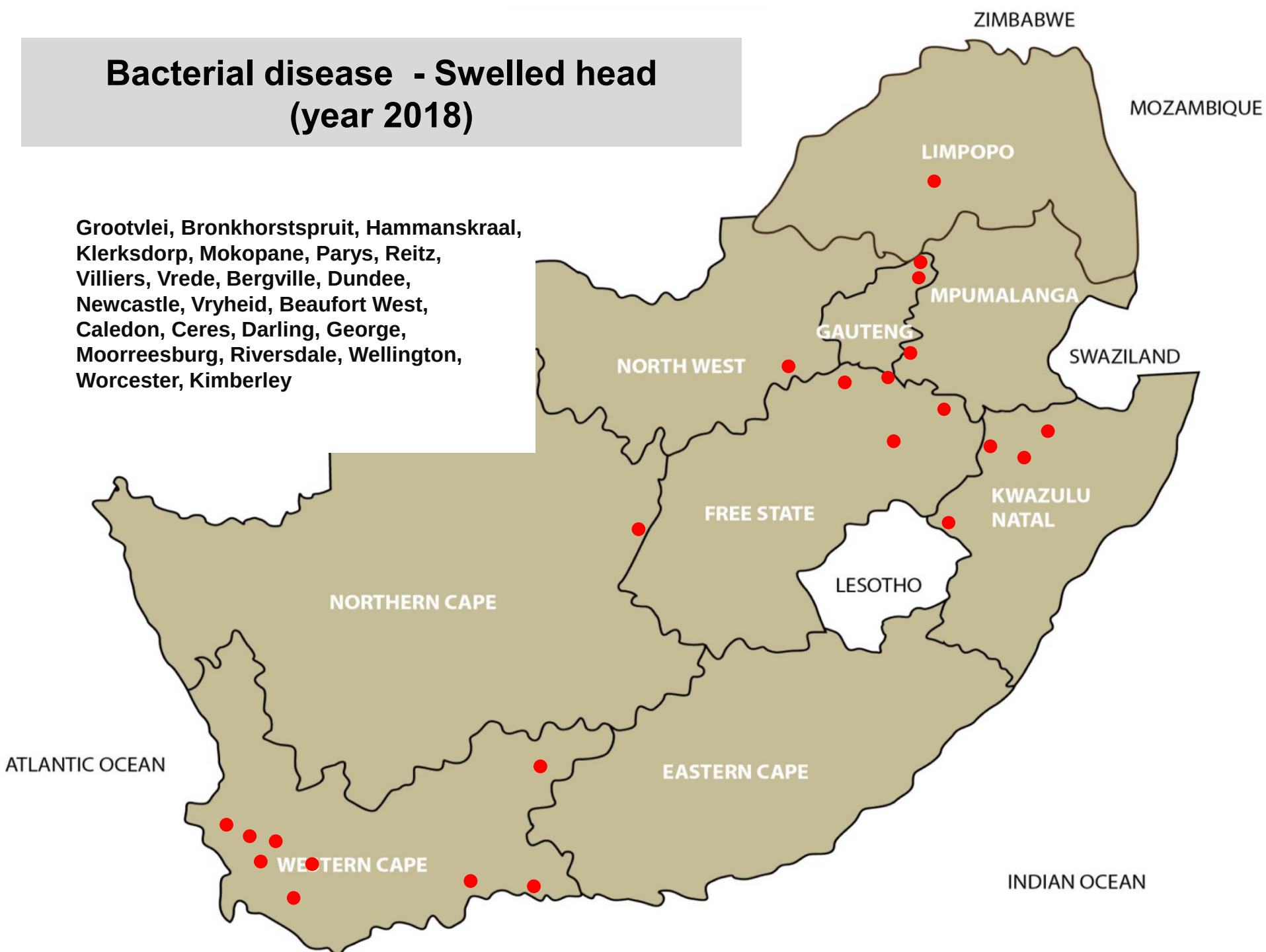
Bacterial disease – Blackquarter (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Hendrina, Middelburg, Piet Retief, Standerton, Volksrust, Bapsfontein, Hammanskraal, Makhado, Modimolle, Mokopane, Polokwane, Brits, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Rustenburg, Stella, Ventersdorp/Koster, Vryburg, Bloemfontein, Clocolan, Dewetsdorp, Ficksburg, Frankfort, Harrismith, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Reitz, Senekal, Smithfield, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Zastron, Bergville, Dundee, Estcourt, Howick, Kokstad, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Alexandria, Aliwal North, Cofimvaba, Graaff-Reinet, Jeffreys Bay, Middelburg/Steynsburg, Port Alfred, Queenstown, Caledon, Malmesbury, Riversdale, Stellenbosch, Swellendam, Colesberg, Kimberley, Upington



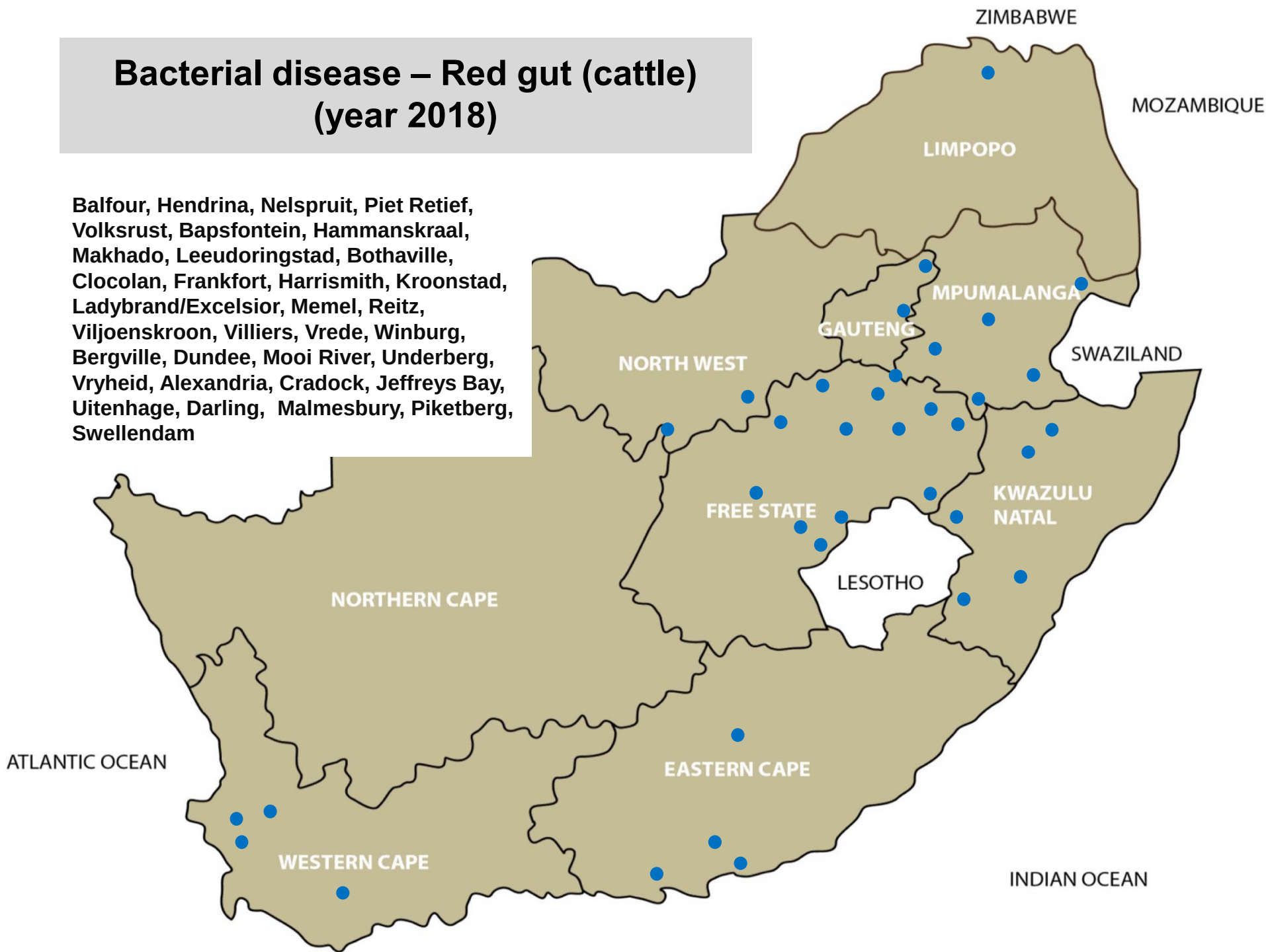
Bacterial disease - Swelled head (year 2018)

Grootvlei, Bronkhorstspuit, Hammanskraal,
Klerksdorp, Mokopane, Parys, Reitz,
Villiers, Vrede, Bergville, Dundee,
Newcastle, Vryheid, Beaufort West,
Caledon, Ceres, Darling, George,
Moorreesburg, Riversdale, Wellington,
Worcester, Kimberley



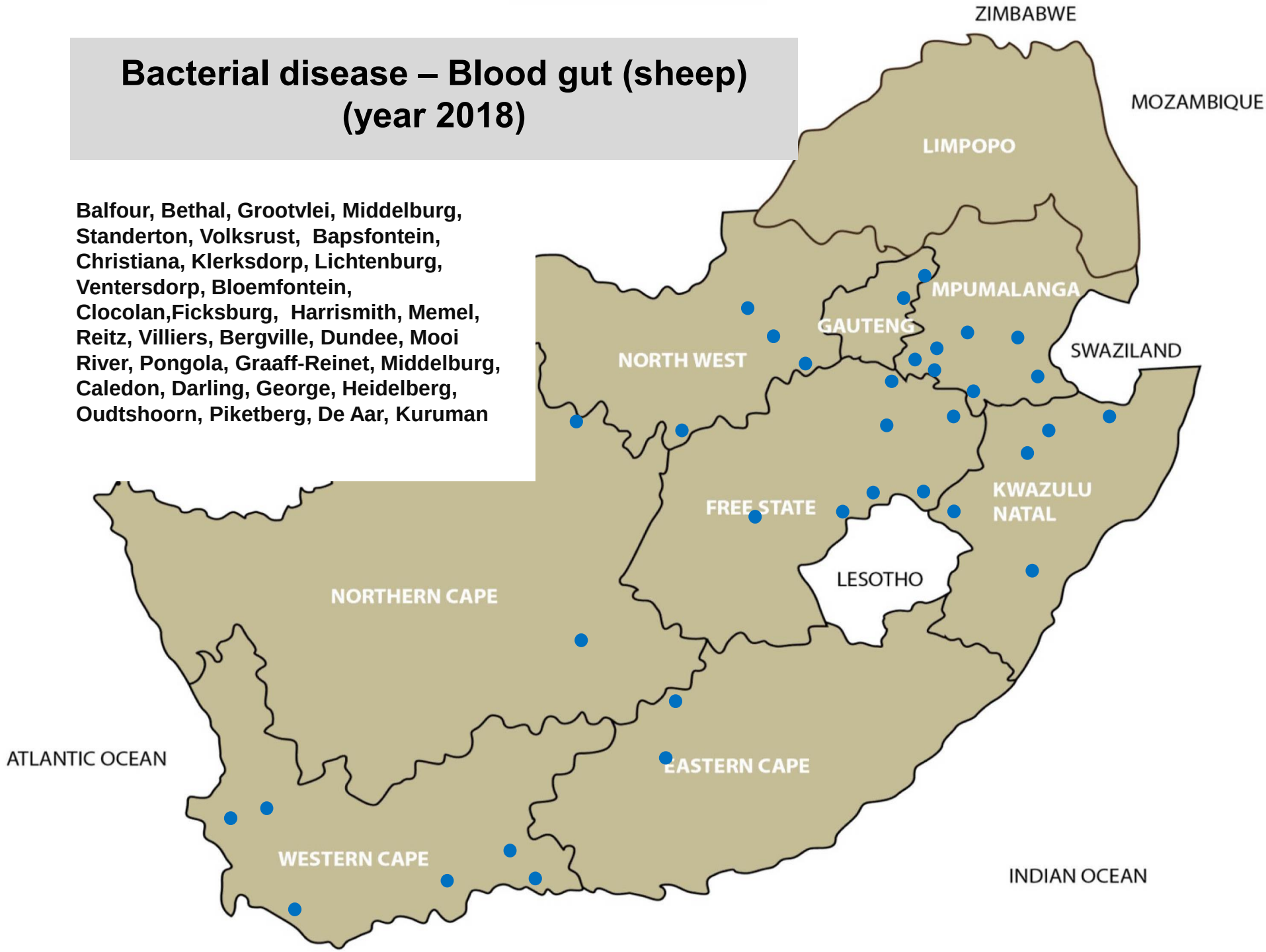
Bacterial disease – Red gut (cattle) (year 2018)

Balfour, Hendrina, Nelspruit, Piet Retief, Volksrust, Bapsfontein, Hammanskraal, Makhado, Leeudoringstad, Bothaville, Clocolan, Frankfort, Harrismith, Kroonstad, Ladybrand/Excelsior, Memel, Reitz, Viljoenskroon, Villiers, Vrede, Winburg, Bergville, Dundee, Mooi River, Underberg, Vryheid, Alexandria, Cradock, Jeffreys Bay, Uitenhage, Darling, Malmesbury, Piketberg, Swellendam



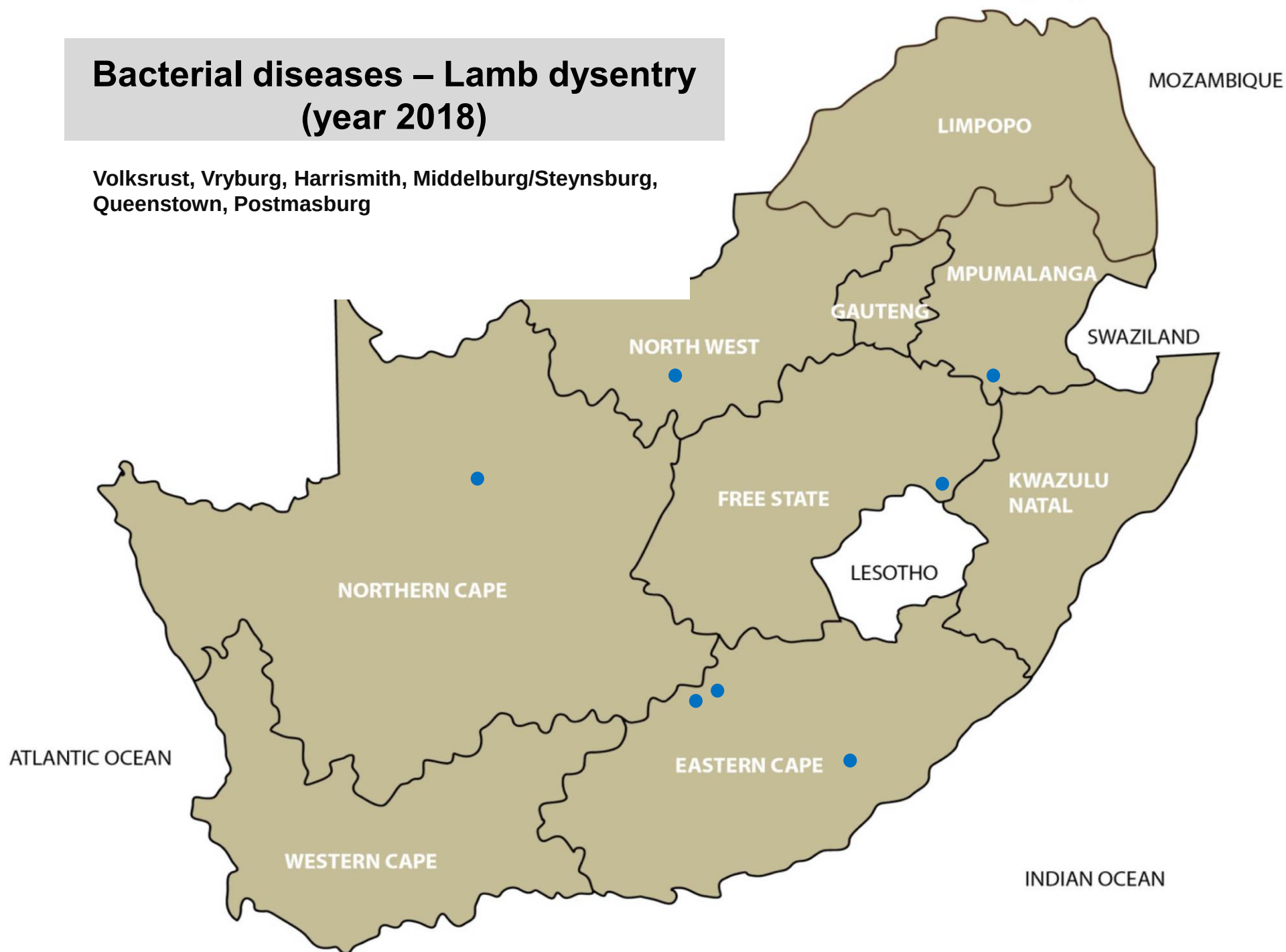
Bacterial disease – Blood gut (sheep) (year 2018)

Balfour, Bethal, Grootvlei, Middelburg, Standerton, Volksrust, Bapsfontein, Christiana, Klerksdorp, Lichtenburg, Ventersdorp, Bloemfontein, Cloccolan, Ficksburg, Harrismith, Memel, Reitz, Villiers, Bergville, Dundee, Mooi River, Pongola, Graaff-Reinet, Middelburg, Caledon, Darling, George, Heidelberg, Oudtshoorn, Piketberg, De Aar, Kuruman



Bacterial diseases – Lamb dysentery (year 2018)

Volksrust, Vryburg, Harrismith, Middelburg/Steynsburg,
Queenstown, Postmasburg



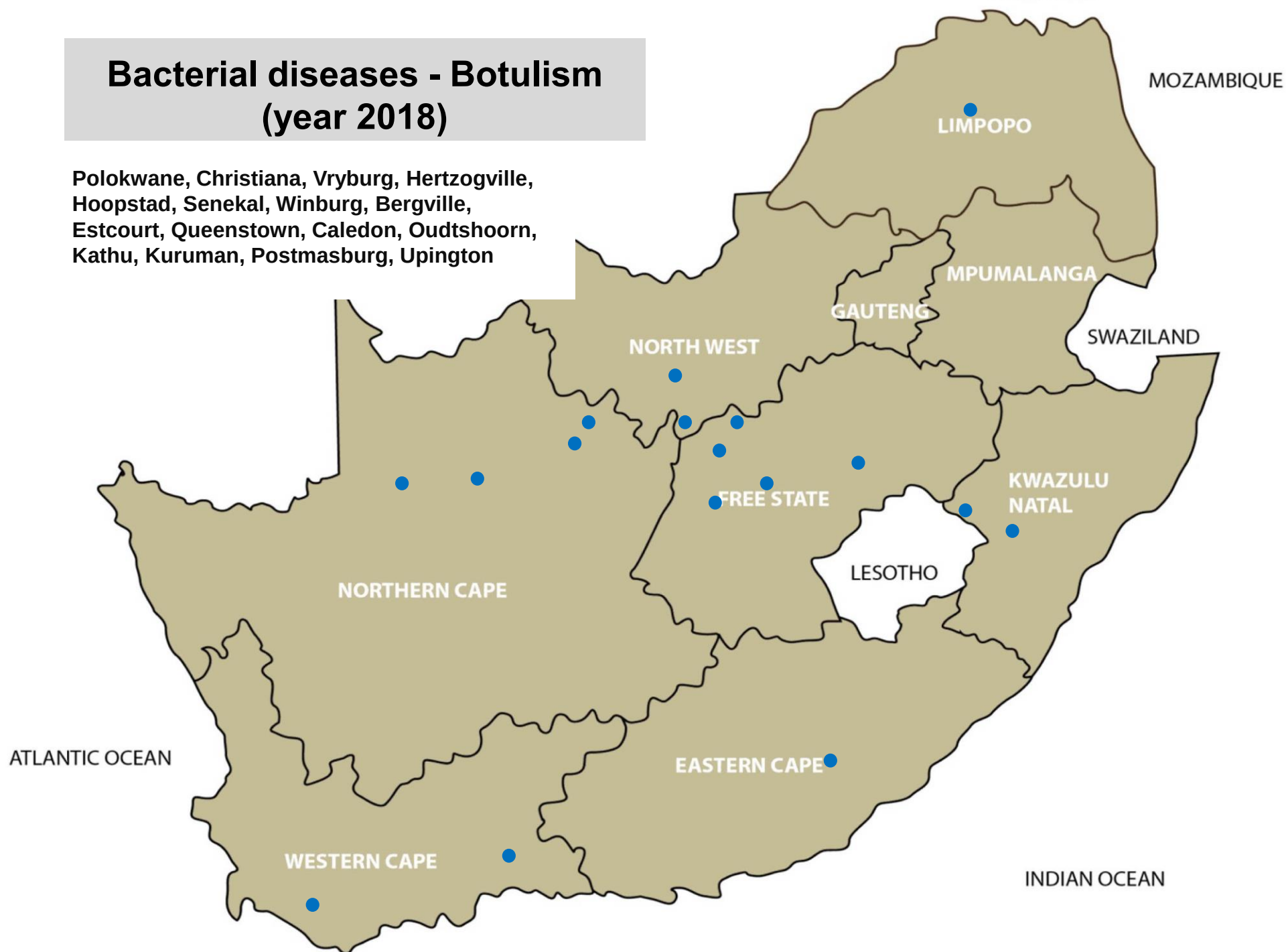
Bacterial disease – Pulpy kidney (year 2018)

Balfour, Ermelo, Lydenburg, Middelburg, Nelspruit, Standerton, Bapsfontein, Bronkhorstspuit, Hammanskraal, Polokwane, Brits, Christiana, Klerksdorp, Lichtenburg, Bethlehem, Bloemfontein, Bultfontein, Clocolan, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand/Excelsior, Philippolis, Reitz, Senekal, Trompsburg/Springfontein, Viljoenskroon, Villiers, Vrede, Wesselsbron, Zastron, Bergville, Dundee, Estcourt, Newcastle, Underberg, Vryheid, Aliwal North, Graaff-Reinet, Middelburg/Steynsburg, Queenstown, Somerset East, Stutterheim, Uitenhage, Witelsbos, Beaufort West, Caledon, George, Heidelberg, Malmesbury, Moorreesburg, Oudtshoorn, Piketberg, Riversdale, Stellenbosch, Vredenburg, Worcester, Calvinia, Colesberg, Kathu, Kimberley, Kuruman



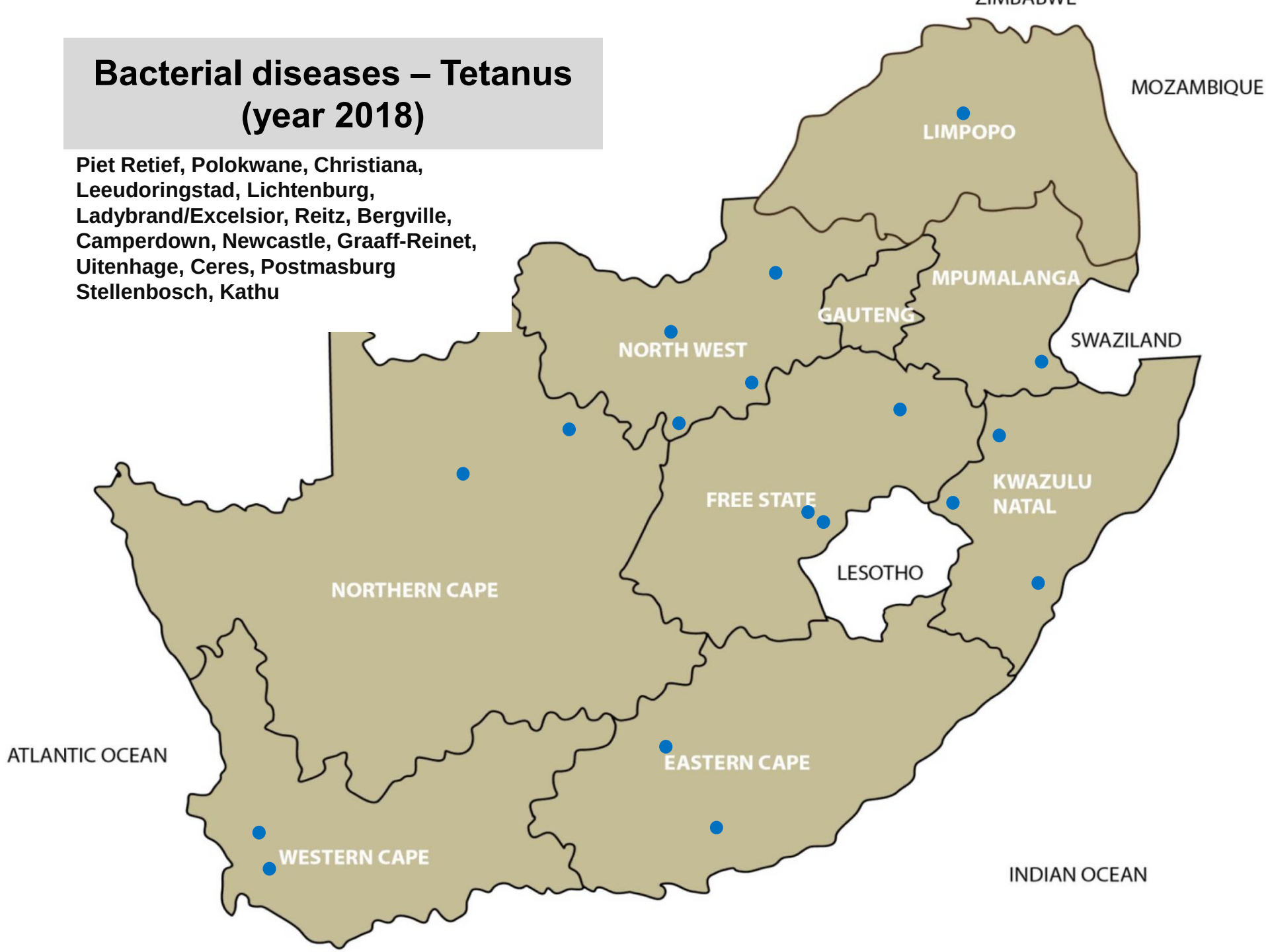
Bacterial diseases - Botulism (year 2018)

**Polokwane, Christiana, Vryburg, Hertzogville,
Hoopstad, Senekal, Winburg, Bergville,
Estcourt, Queenstown, Caledon, Oudtshoorn,
Kathu, Kuruman, Postmasburg, Upington**



Bacterial diseases – Tetanus (year 2018)

Piet Retief, Polokwane, Christiana,
Leeudoringstad, Lichtenburg,
Ladybrand/Excelsior, Reitz, Bergville,
Camperdown, Newcastle, Graaff-Reinet,
Uitenhage, Ceres, Postmasburg
Stellenbosch, Kathu



Pneumonia (year 2018)

Balfour, Bethal, Ermelo, Grootvlei, Hendrina, Lydenburg, Middelburg, Nelspruit, Piet Retief, Volksrust, Bapsfontein, Bronkhorstspuit, Hammanskraal, Nigel, Onderstepoort, Pretoria, Bela-Bela, Makhado, Modimolle, Polokwane, Tzaneen, Christiana, Klerksdorp, Leeudoringstad, Lichtenburg, Rustenburg, Stella, Ventersdorp/Koster, Vryburg, Bethlehem, Bloemfontein, Bultfontein, Clocolan, Dewetsdorp, Ficksburg, Harrismith, Hoopstad, Kroonstad, Ladybrand/Excelsior, Memel, Parys, Philippolis, Reitz, Senekal, Viljoenskroon, Villiers, Vrede, Wesselsbron, Winburg, Bergville, Dundee, Estcourt, Howick, Kokstad, Mtubatuba, Mooi River, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Alexandria, Cradock, Elliot, Graaff-Reinet, Humansdorp, Middelburg/Steynsburg, Port Alfred, Queenstown, Stutterheim, Uitenhage, Witelsbos, Beaufort West, Caledon, Darling, George, Heidelberg, Malmesbury, Moorreesburg, Oudtshoorn, Piketberg, Plettenberg Bay, Riversdale, Stellenbosch, Swellendam, Vredenburg, Wellington, Calvinia, Colesberg, Kathu, Kimberley, Kuruman, Postmasburg, Upington

