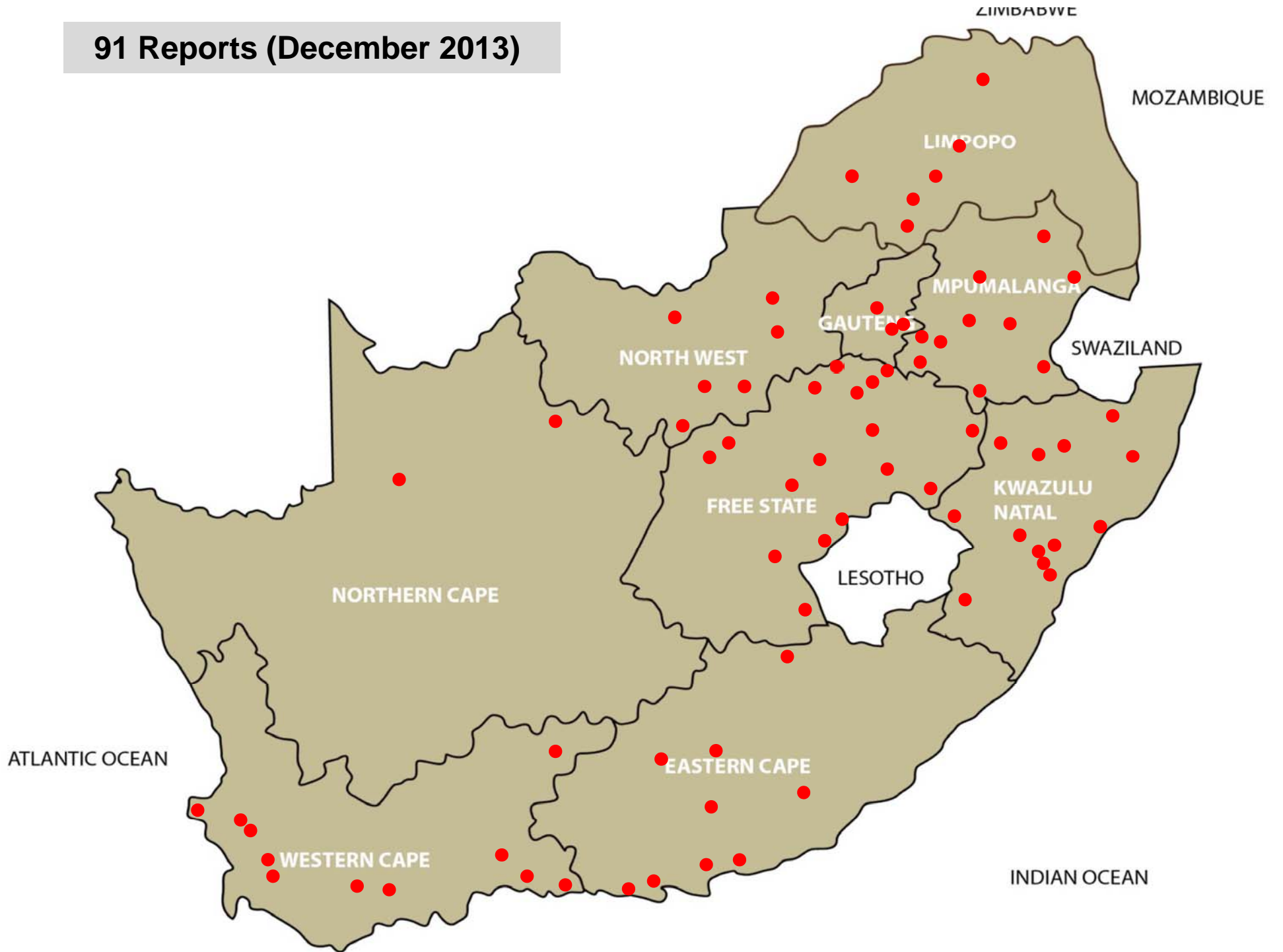


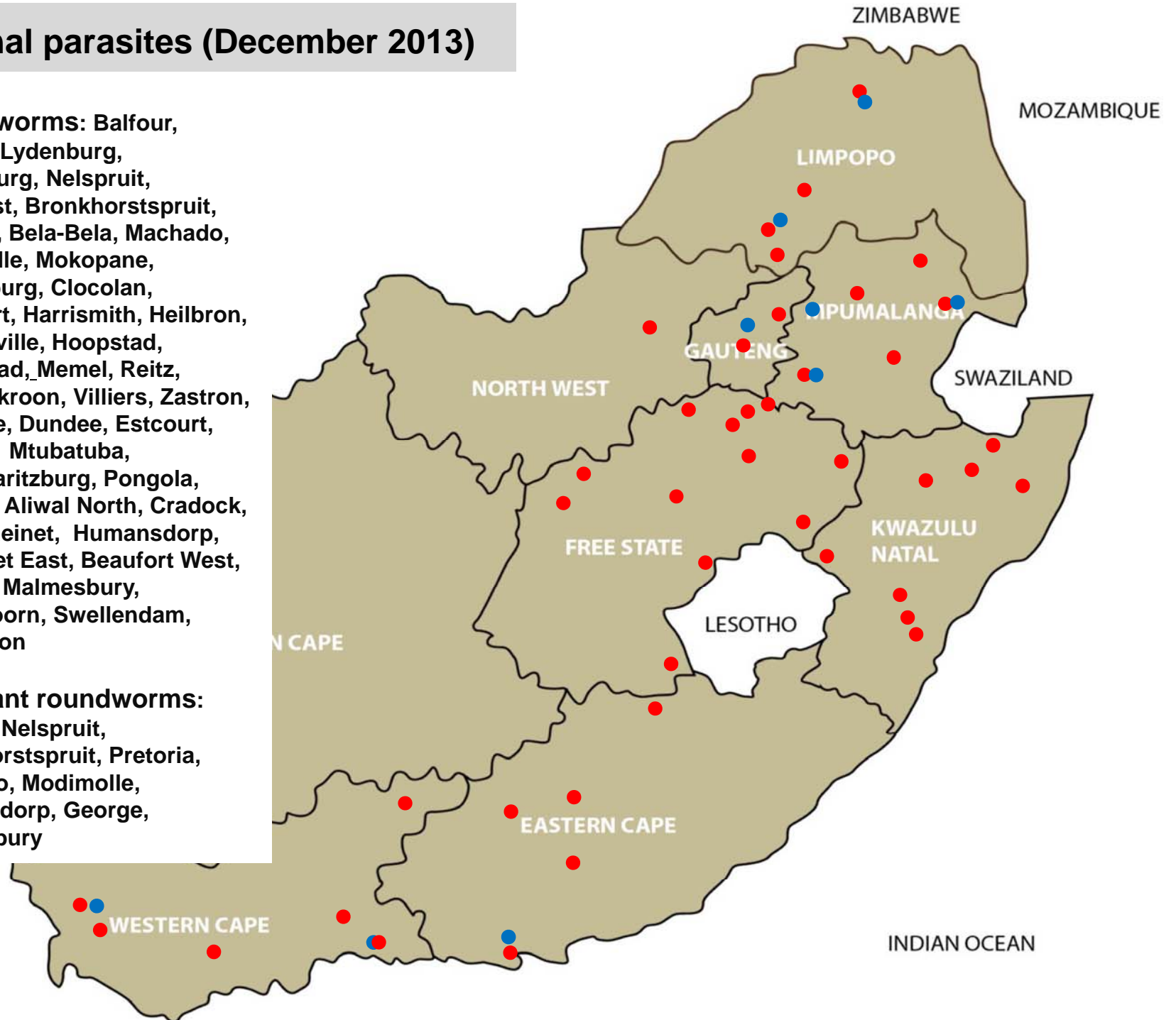
91 Reports (December 2013)



## Internal parasites (December 2013)

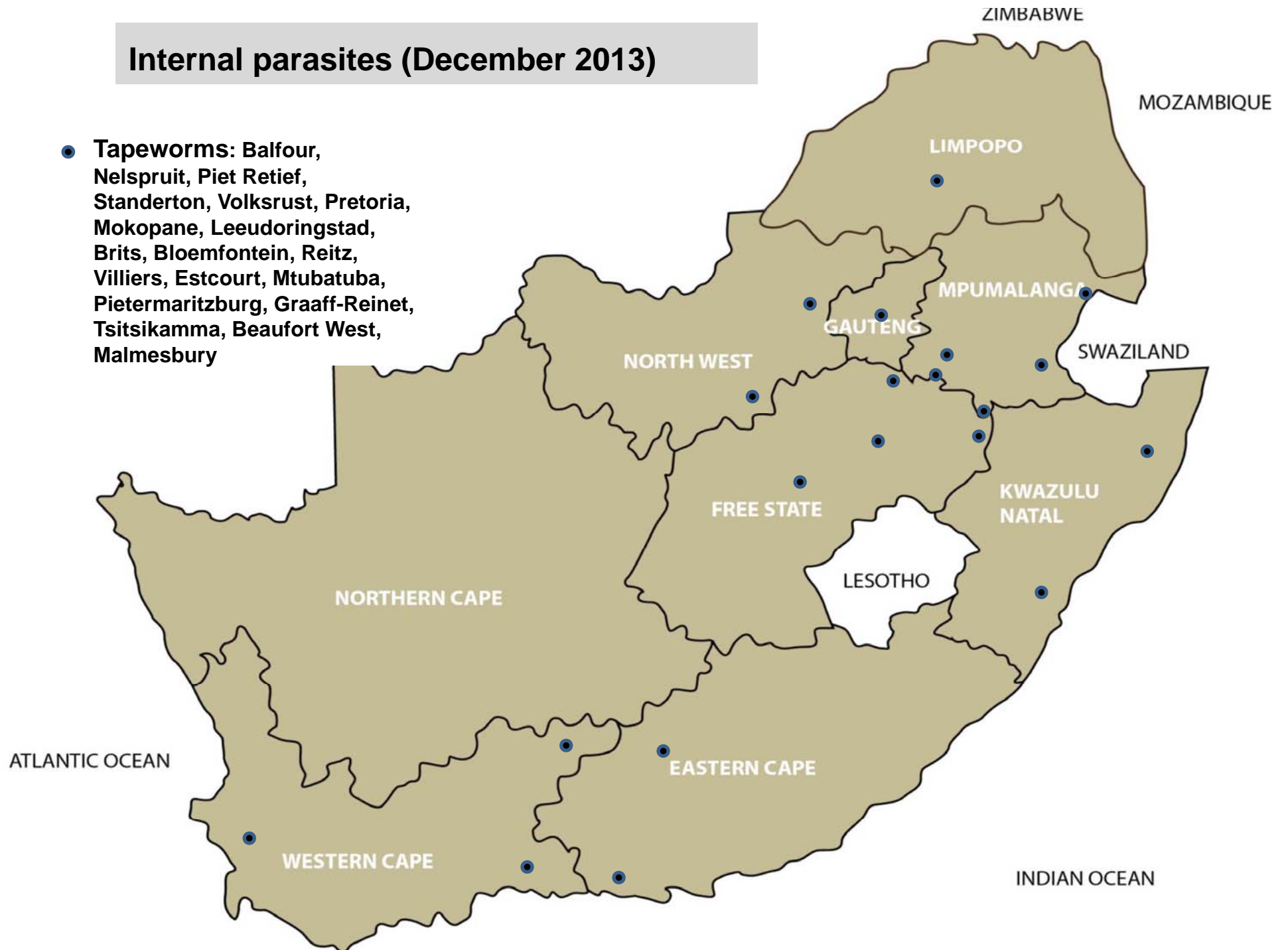
- **Roundworms:** Balfour, Ermelo, Lydenburg, Middelburg, Nelspruit, Volksrust, Bronkhorstspuit, Pretoria, Bela-Bela, Machado, Modimolle, Mokopane, Rustenburg, Clocolan, Frankfort, Harrismith, Heilbron, Hertzogville, Hoopstad, Kroonstad, Memel, Reitz, Viljoenskroon, Villiers, Zastron, Bergville, Dundee, Estcourt, Howick, Mtubatuba, Pietermaritzburg, Pongola, Vryheid, Aliwal North, Cradock, Graaff-Reinet, Humansdorp, Somerset East, Beaufort West, George, Malmesbury, Oudtshoorn, Swellendam, Wellington

- **Resistant roundworms:** Balfour, Nelspruit, Bronkhorstspuit, Pretoria, Machado, Modimolle, Humansdorp, George, Malmesbury



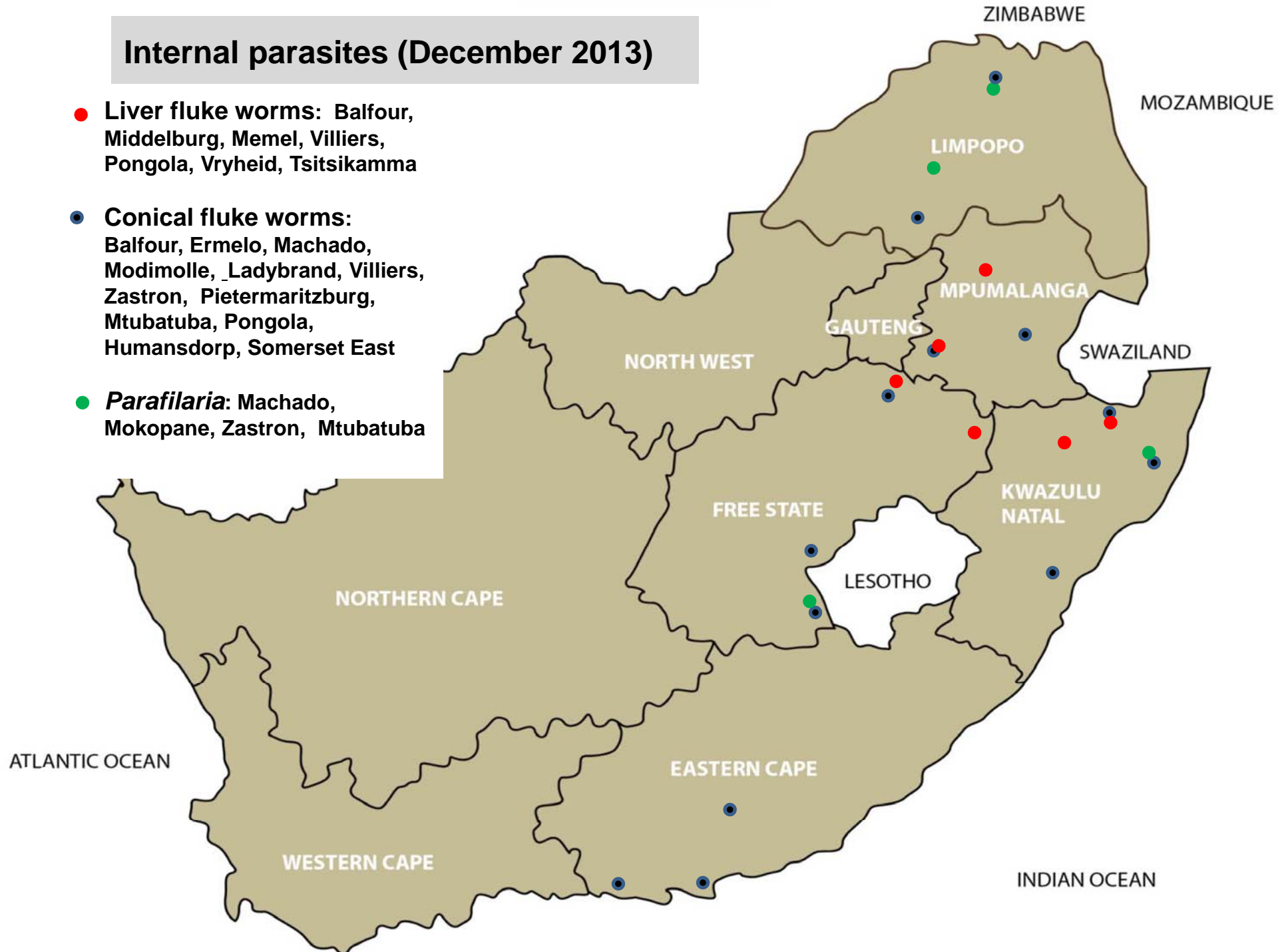
## Internal parasites (December 2013)

- **Tapeworms:** Balfour, Nelspruit, Piet Retief, Standerton, Volksrust, Pretoria, Mokopane, Leeudoringstad, Brits, Bloemfontein, Reitz, Villiers, Estcourt, Mtubatuba, Pietermaritzburg, Graaff-Reinet, Tsitsikamma, Beaufort West, Malmesbury



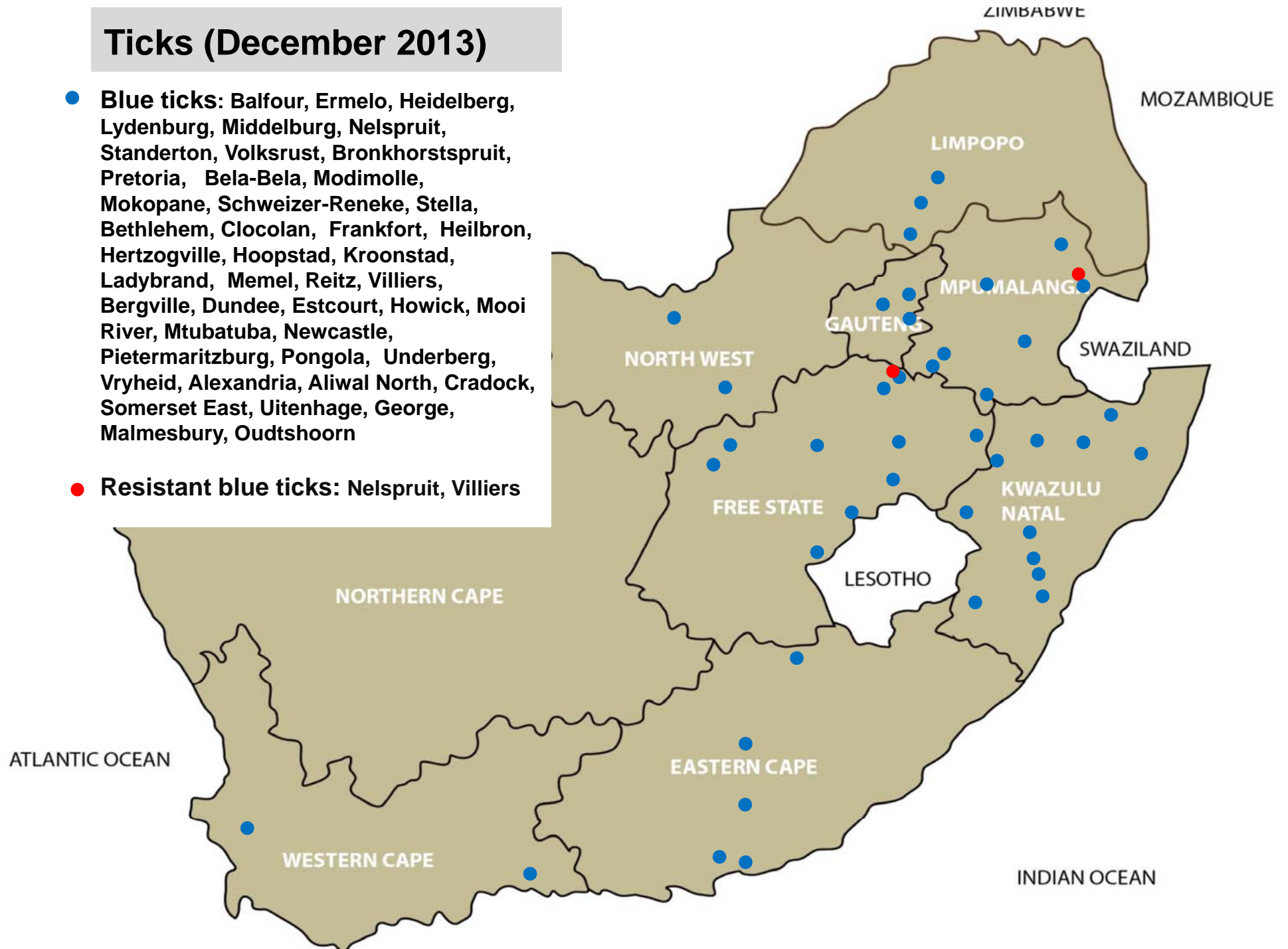
## Internal parasites (December 2013)

- **Liver fluke worms:** Balfour, Middelburg, Memel, Villiers, Pongola, Vryheid, Tsitsikamma
- **Conical fluke worms:** Balfour, Ermelo, Machado, Modimolle, Ladybrand, Villiers, Zastron, Pietermaritzburg, Mtubatuba, Pongola, Humansdorp, Somerset East
- ***Parafilaria*:** Machado, Mokopane, Zastron, Mtubatuba



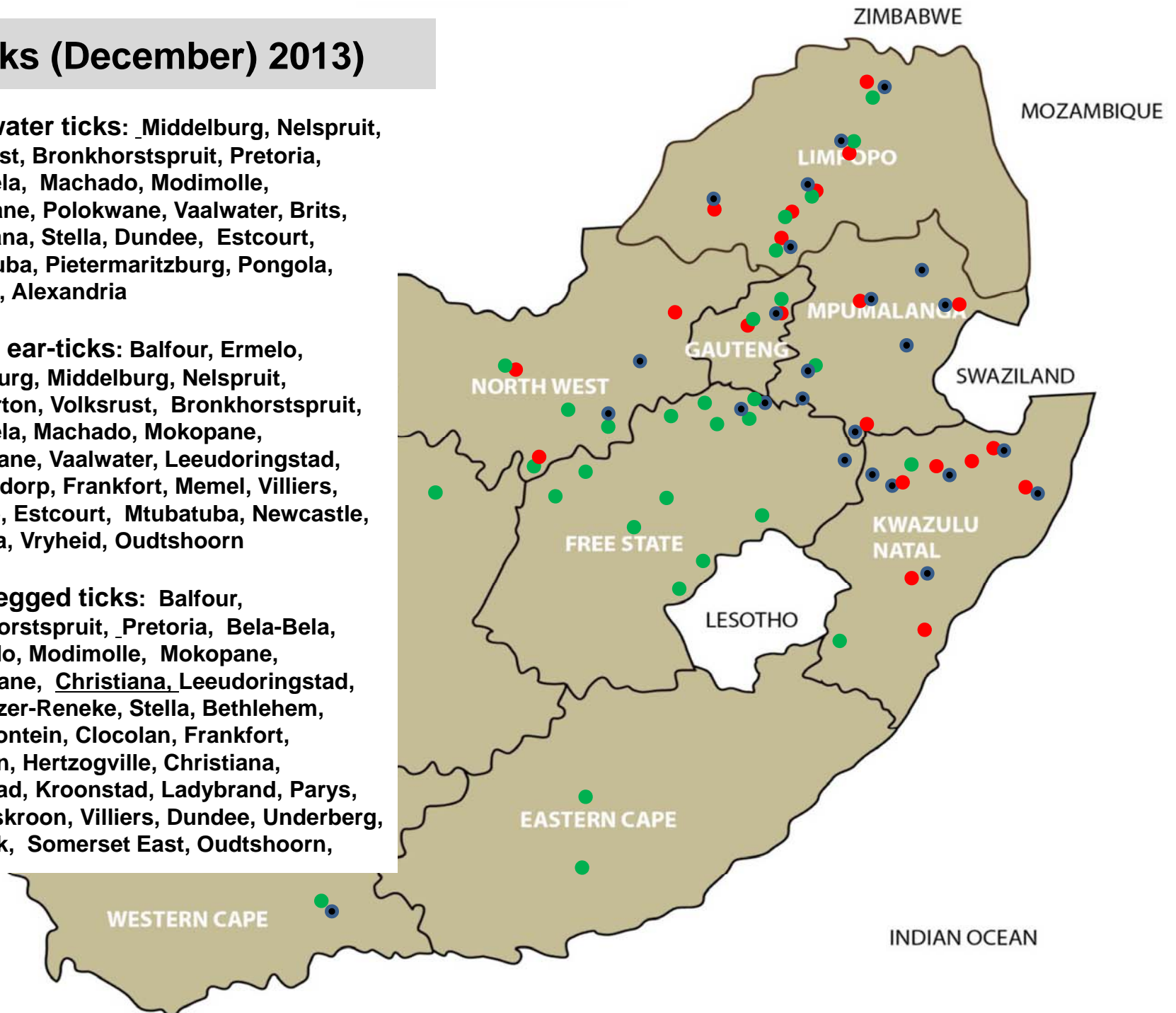
## Ticks (December 2013)

- **Blue ticks:** Balfour, Ermelo, Heidelberg, Lydenburg, Middelburg, Nelspruit, Standerton, Volksrust, Bronkhorstspuit, Pretoria, Bela-Bela, Modimolle, Mokopane, Schweizer-Reneke, Stella, Bethlehem, Clocolan, Frankfort, Heilbron, Hertzogville, Hoopstad, Kroonstad, Ladybrand, Memel, Reitz, Villiers, Bergville, Dundee, Estcourt, Howick, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Pongola, Underberg, Vryheid, Alexandria, Aliwal North, Cradock, Somerset East, Uitenhage, George, Malmesbury, Oudtshoorn
- **Resistant blue ticks:** Nelspruit, Villiers



## Ticks (December) 2013

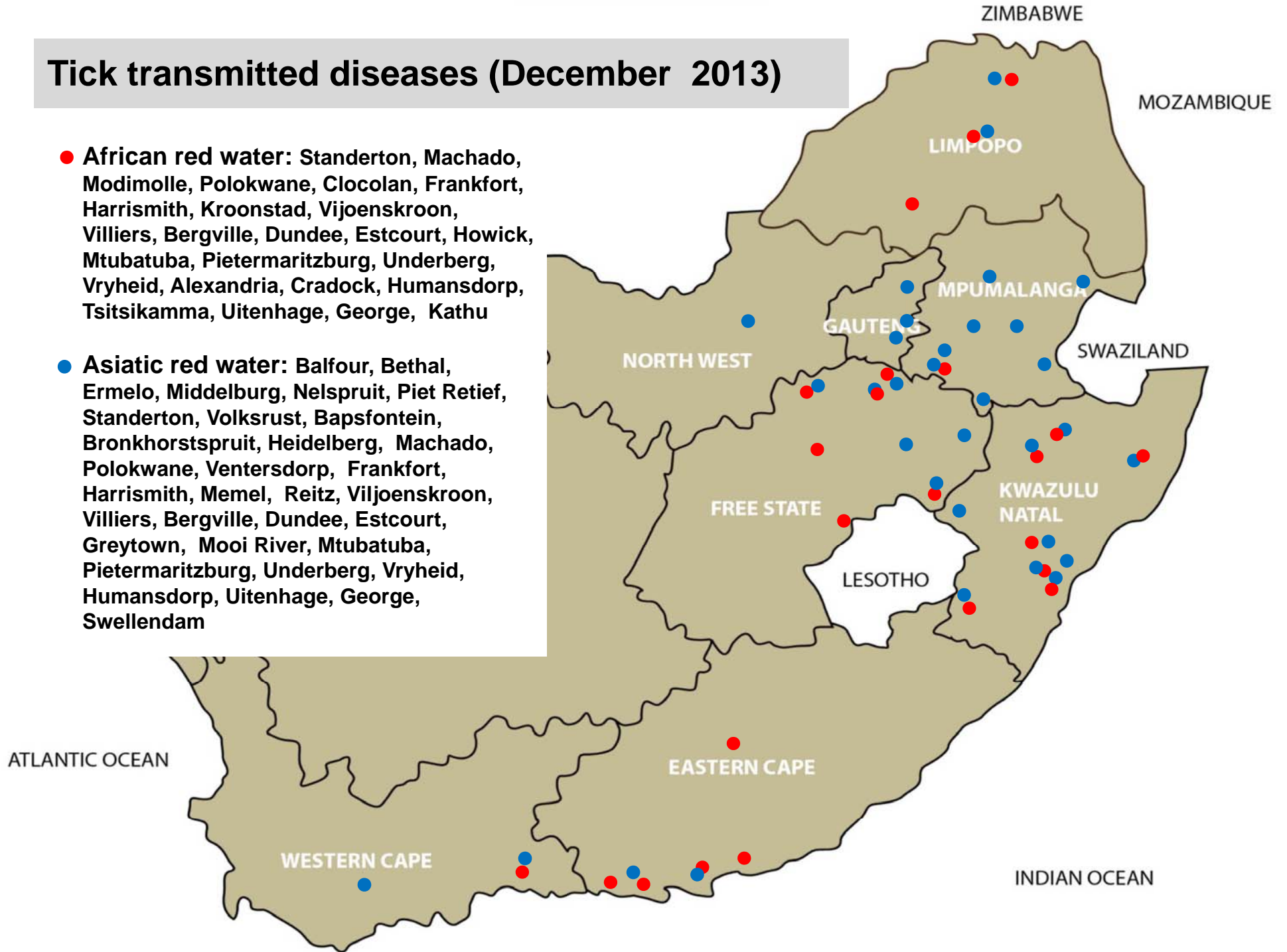
- **Heartwater ticks:** Middelburg, Nelspruit, Volksrust, Bronkhorstspuit, Pretoria, Bela-Bela, Machado, Modimolle, Mokopane, Polokwane, Vaalwater, Brits, Christiana, Stella, Dundee, Estcourt, Mtubatuba, Pietermaritzburg, Pongola, Vryheid, Alexandria
- **Brown ear-ticks:** Balfour, Ermelo, Lydenburg, Middelburg, Nelspruit, Standerton, Volksrust, Bronkhorstspuit, Bela-Bela, Machado, Mokopane, Polokwane, Vaalwater, Leeudoringstad, Ventersdorp, Frankfort, Memel, Villiers, Dundee, Estcourt, Mtubatuba, Newcastle, Pongola, Vryheid, Oudtshoorn
- **Bont-legged ticks:** Balfour, Bronkhorstspuit, Pretoria, Bela-Bela, Machado, Modimolle, Mokopane, Polokwane, Christiana, Leeudoringstad, Schweizer-Reneke, Stella, Bethlehem, Bloemfontein, Clocolan, Frankfort, Heilbron, Hertzogville, Christiana, Hoopstad, Kroonstad, Ladybrand, Parys, Viljoenskroon, Villiers, Dundee, Underberg, Cradock, Somerset East, Oudtshoorn, Kathu



# Tick transmitted diseases (December 2013)

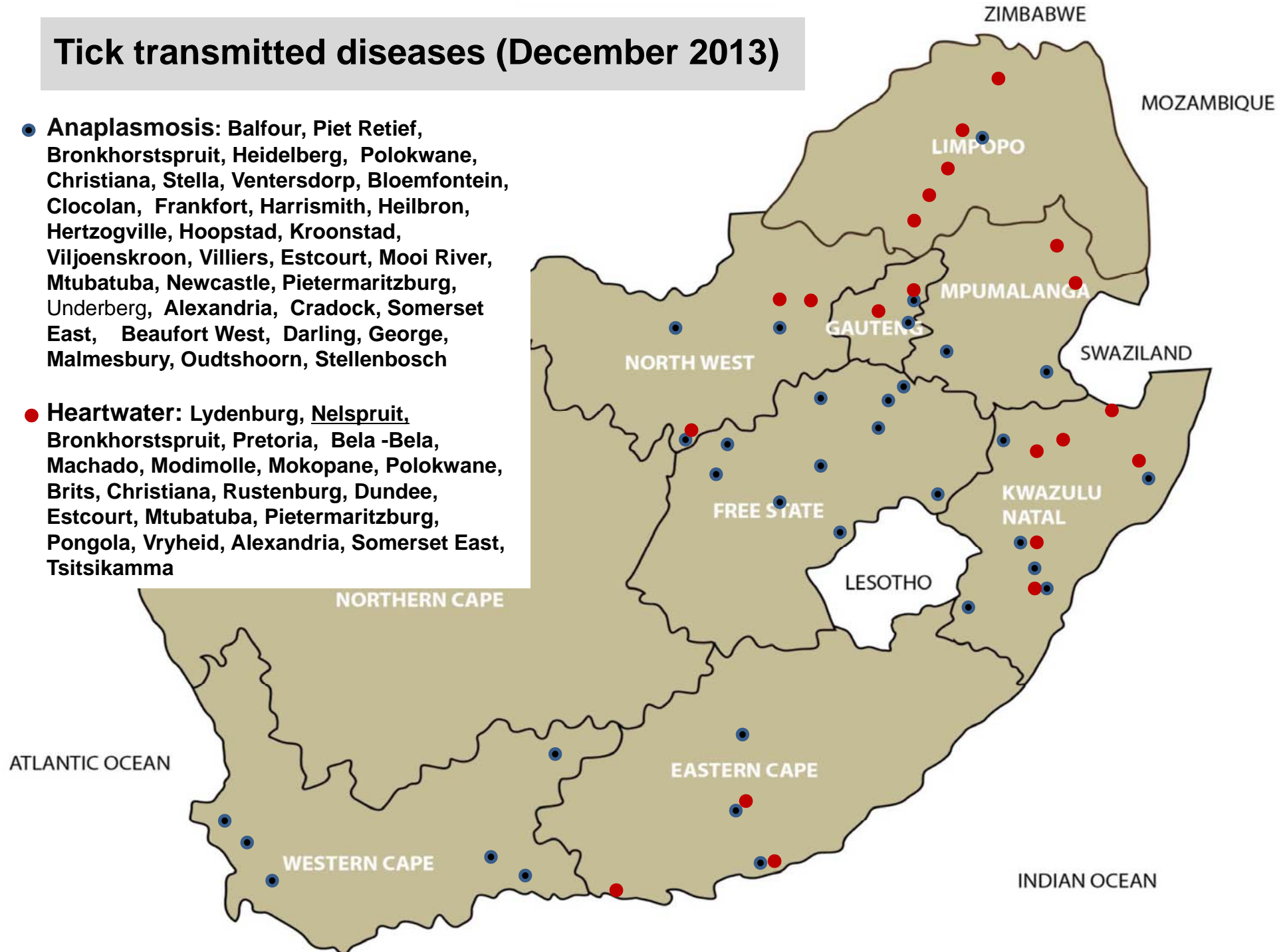
- **African red water:** Standerton, Machado, Modimolle, Polokwane, Clocolan, Frankfort, Harrismith, Kroonstad, Vijoenskroon, Villiers, Bergville, Dundee, Estcourt, Howick, Mtubatuba, Pietermaritzburg, Underberg, Vryheid, Alexandria, Cradock, Humansdorp, Tsitsikamma, Uitenhage, George, Kathu

- **Asiatic red water:** Balfour, Bethal, Ermelo, Middelburg, Nelspruit, Piet Retief, Standerton, Volksrust, Bapsfontein, Bronkhorstspuit, Heidelberg, Machado, Polokwane, Ventersdorp, Frankfort, Harrismith, Memel, Reitz, Viljoenskroon, Villiers, Bergville, Dundee, Estcourt, Greytown, Mooi River, Mtubatuba, Pietermaritzburg, Underberg, Vryheid, Humansdorp, Uitenhage, George, Swellendam



## Tick transmitted diseases (December 2013)

- **Anaplasmosis:** Balfour, Piet Retief, Bronkhorstspuit, Heidelberg, Polokwane, Christiana, Stella, Ventersdorp, Bloemfontein, Clocolan, Frankfort, Harrismith, Heilbron, Hertzogville, Hoopstad, Kroonstad, Viljoenskroon, Villiers, Estcourt, Mooi River, Mtubatuba, Newcastle, Pietermaritzburg, Underberg, Alexandria, Cradock, Somerset East, Beaufort West, Darling, George, Malmesbury, Oudtshoorn, Stellenbosch
- **Heartwater:** Lydenburg, Nelspruit, Bronkhorstspuit, Pretoria, Bela -Bela, Machado, Modimolle, Mokopane, Polokwane, Brits, Christiana, Rustenburg, Dundee, Estcourt, Mtubatuba, Pietermaritzburg, Pongola, Vryheid, Alexandria, Somerset East, Tsitsikamma

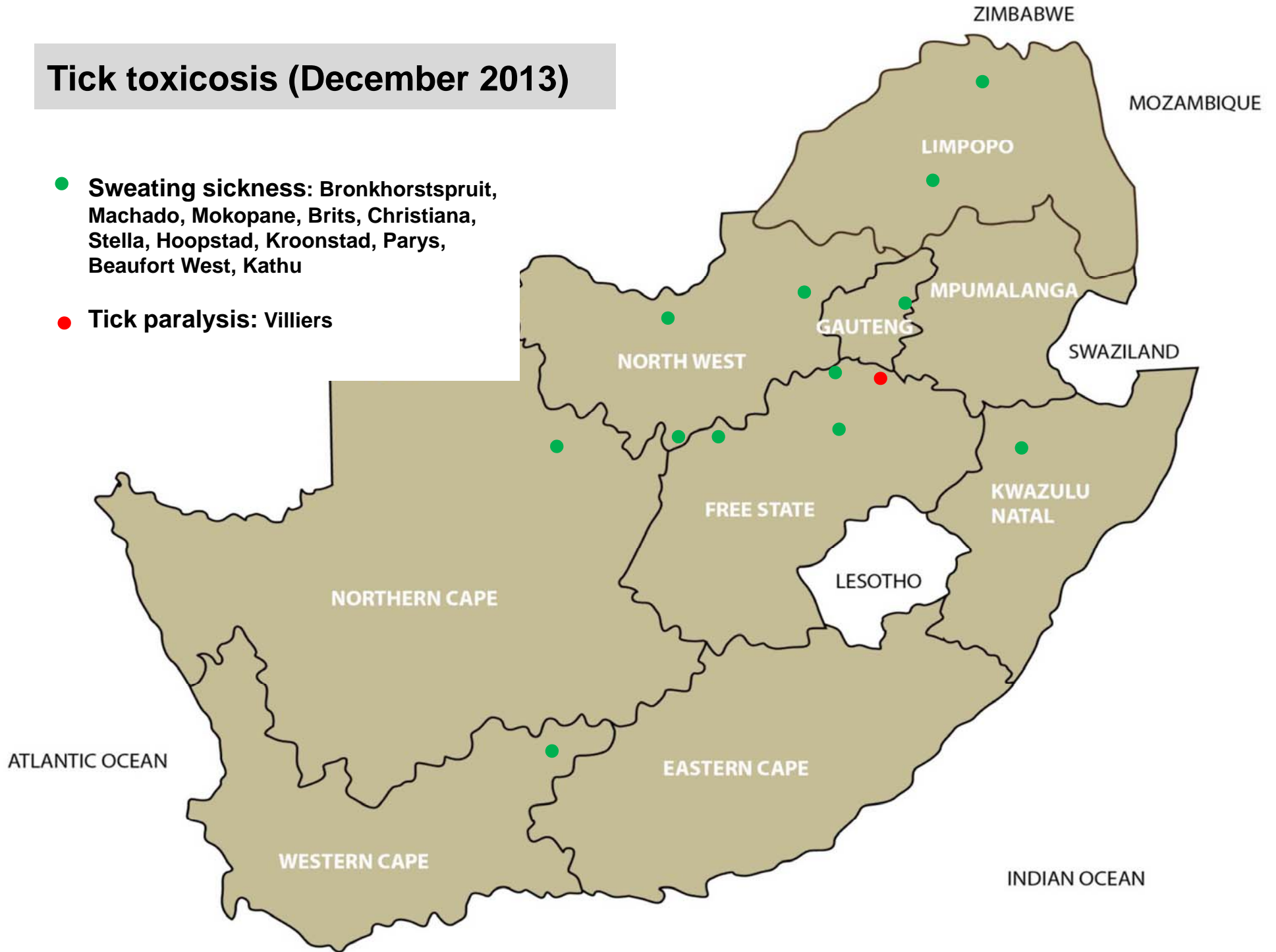




# Tick toxicosis (December 2013)

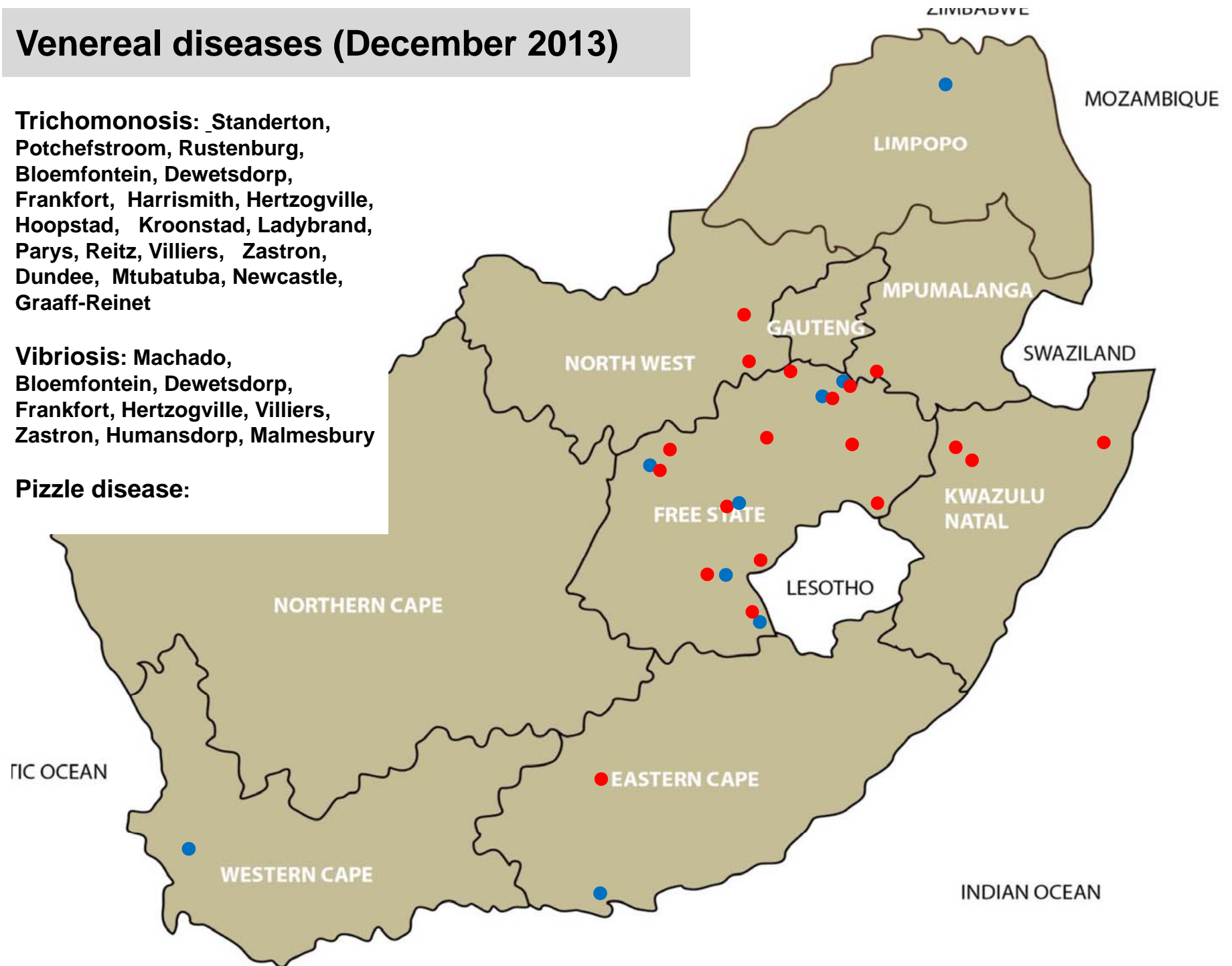
● **Sweating sickness:** Bronkhorstspuit, Machado, Mokopane, Brits, Christiana, Stella, Hoopstad, Kroonstad, Parys, Beaufort West, Kathu

● **Tick paralysis:** Villiers



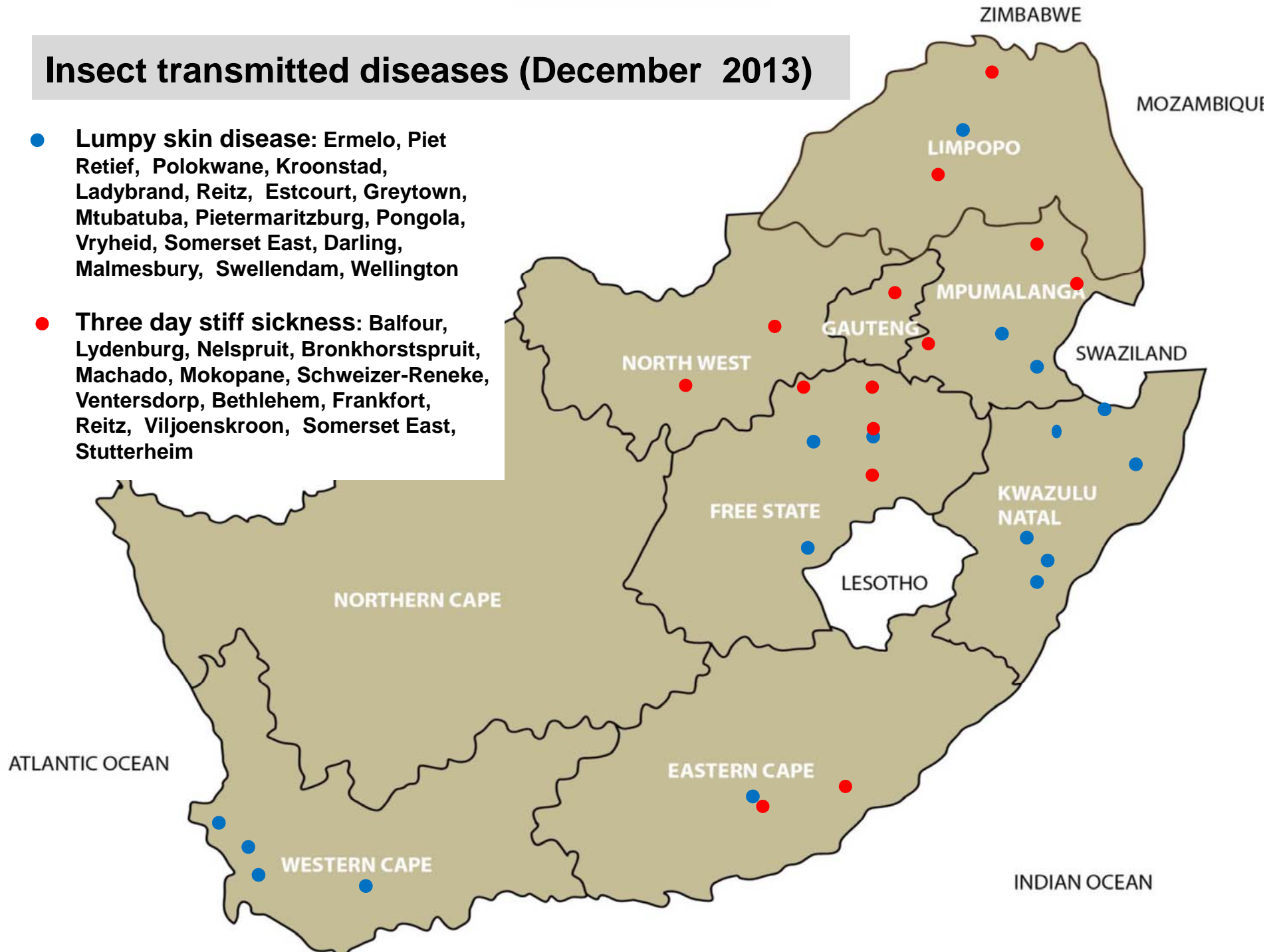
## Venereal diseases (December 2013)

- **Trichomonosis:** Standerton, Potchefstroom, Rustenburg, Bloemfontein, Dewetsdorp, Frankfort, Harrismith, Hertzogville, Hoopstad, Kroonstad, Ladybrand, Parys, Reitz, Villiers, Zastron, Dundee, Mtubatuba, Newcastle, Graaff-Reinet
- **Vibriosis:** Machado, Bloemfontein, Dewetsdorp, Frankfort, Hertzogville, Villiers, Zastron, Humansdorp, Malmesbury
- **Pizzle disease:**



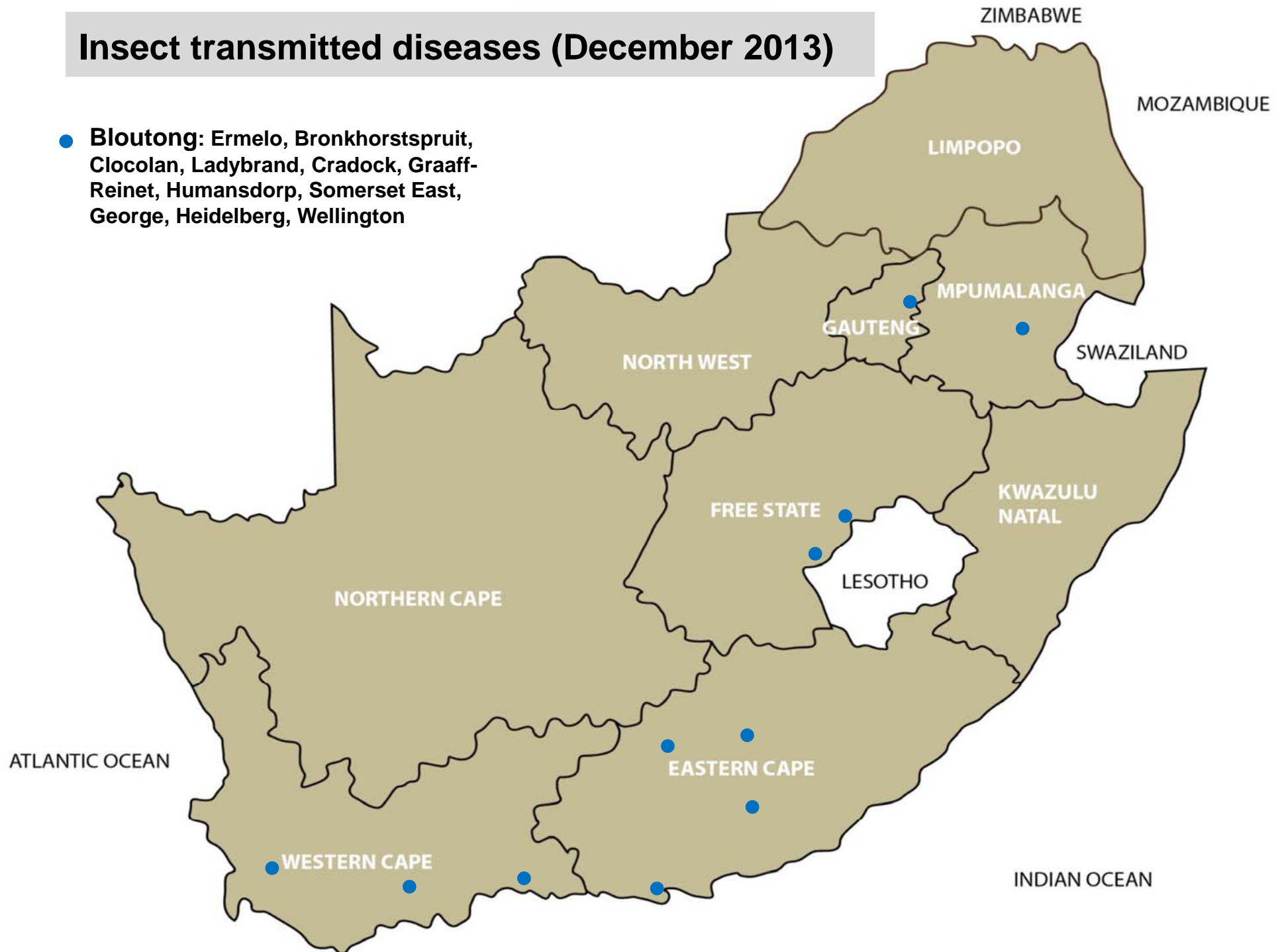
## Insect transmitted diseases (December 2013)

- **Lumpy skin disease:** Ermelo, Piet Retief, Polokwane, Kroonstad, Ladybrand, Reitz, Estcourt, Greytown, Mtubatuba, Pietermaritzburg, Pongola, Vryheid, Somerset East, Darling, Malmesbury, Swellendam, Wellington
- **Three day stiff sickness:** Balfour, Lydenburg, Nelspruit, Bronkhorstspuit, Machado, Mokopane, Schweizer-Reneke, Ventersdorp, Bethlehem, Frankfort, Reitz, Viljoenskroon, Somerset East, Stutterheim



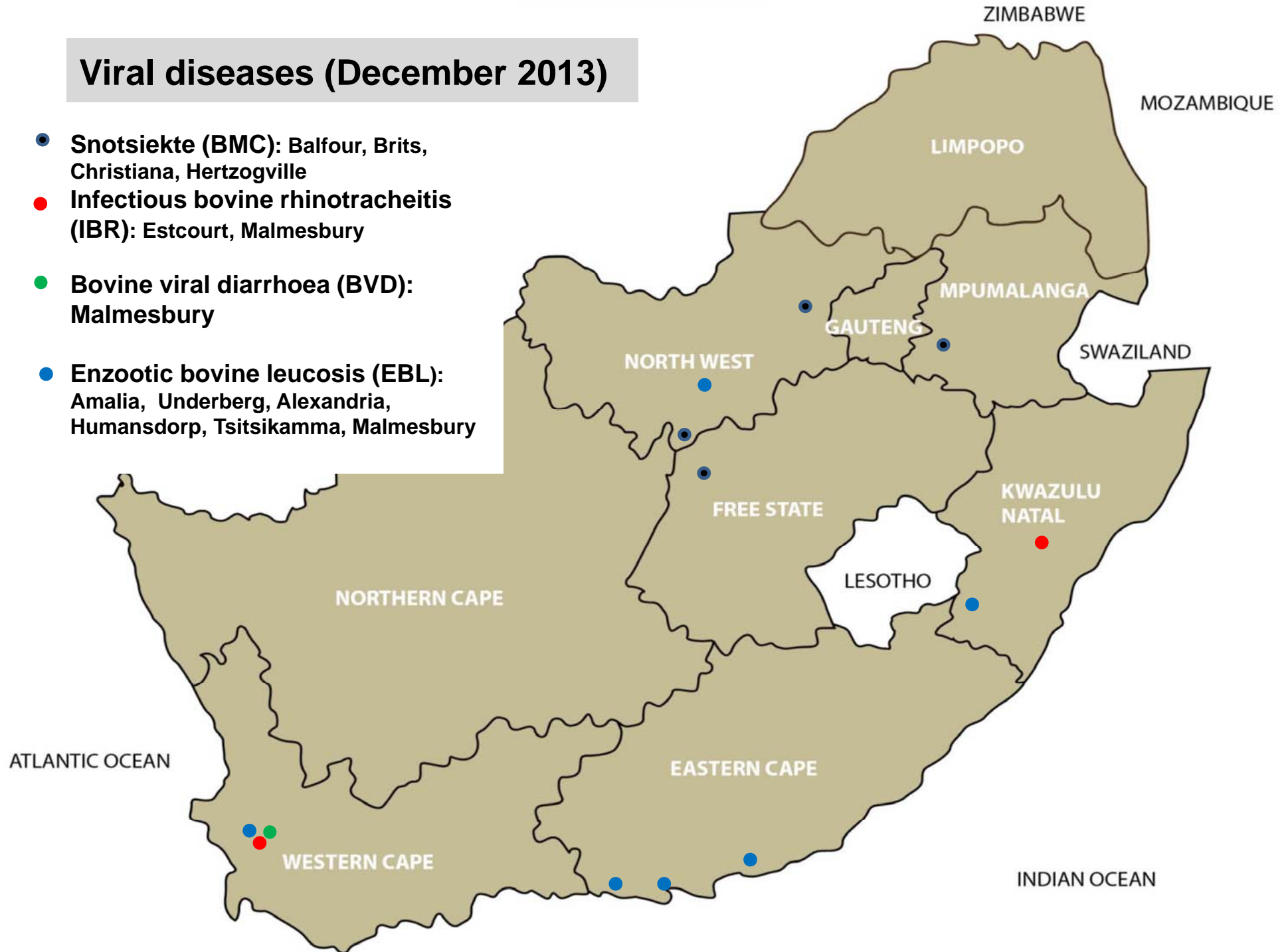
## Insect transmitted diseases (December 2013)

- **Bloutong:** Ermelo, Bronkhorstspuit, Clocolan, Ladybrand, Cradock, Graaff-Reinet, Humansdorp, Somerset East, George, Heidelberg, Wellington



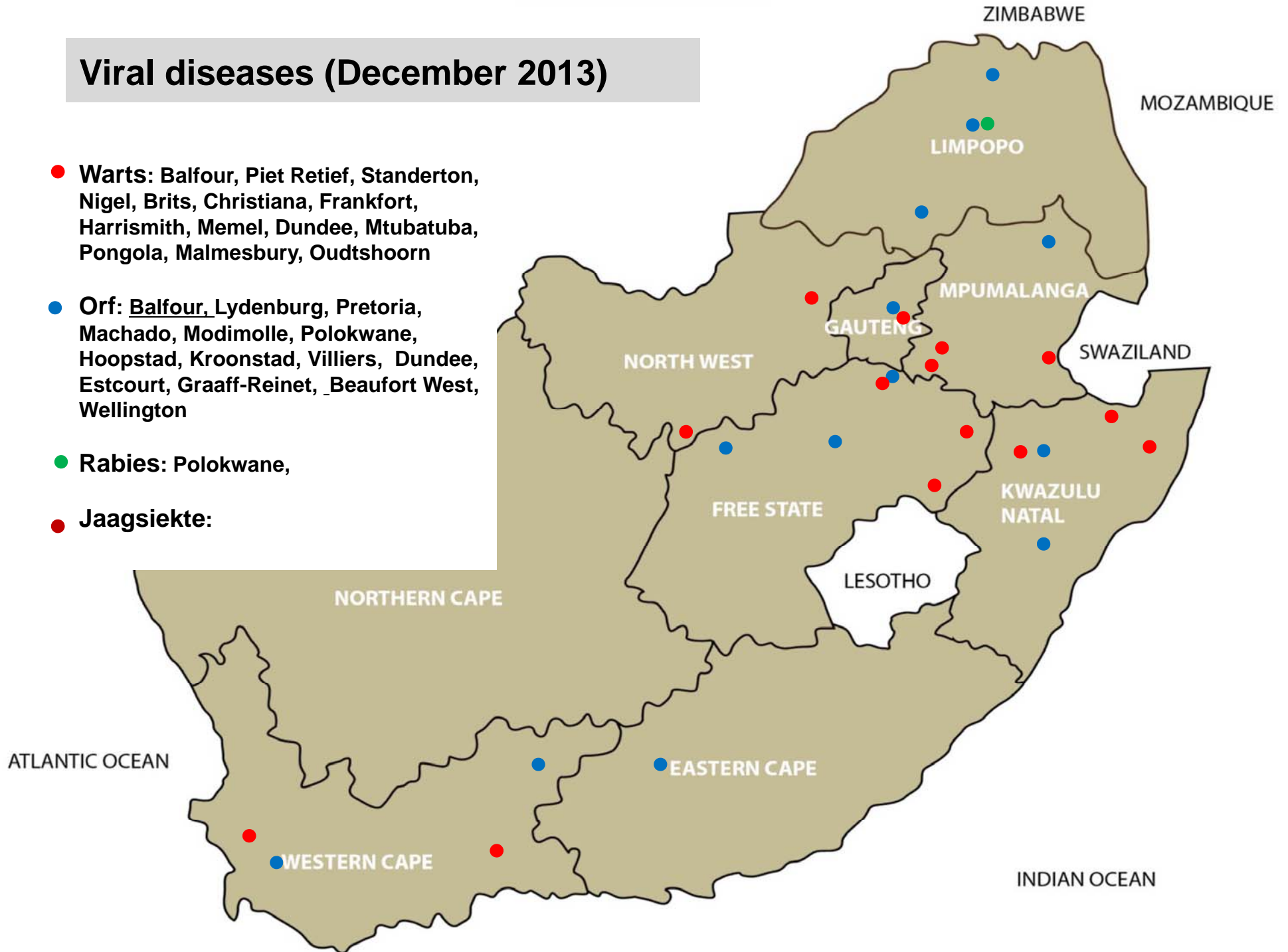
## Viral diseases (December 2013)

- **Snotsiekte (BMC):** Balfour, Brits, Christiana, Hertzogville
- **Infectious bovine rhinotracheitis (IBR):** Estcourt, Malmesbury
- **Bovine viral diarrhoea (BVD):** Malmesbury
- **Enzootic bovine leucosis (EBL):** Amalia, Underberg, Alexandria, Humansdorp, Tsitsikamma, Malmesbury



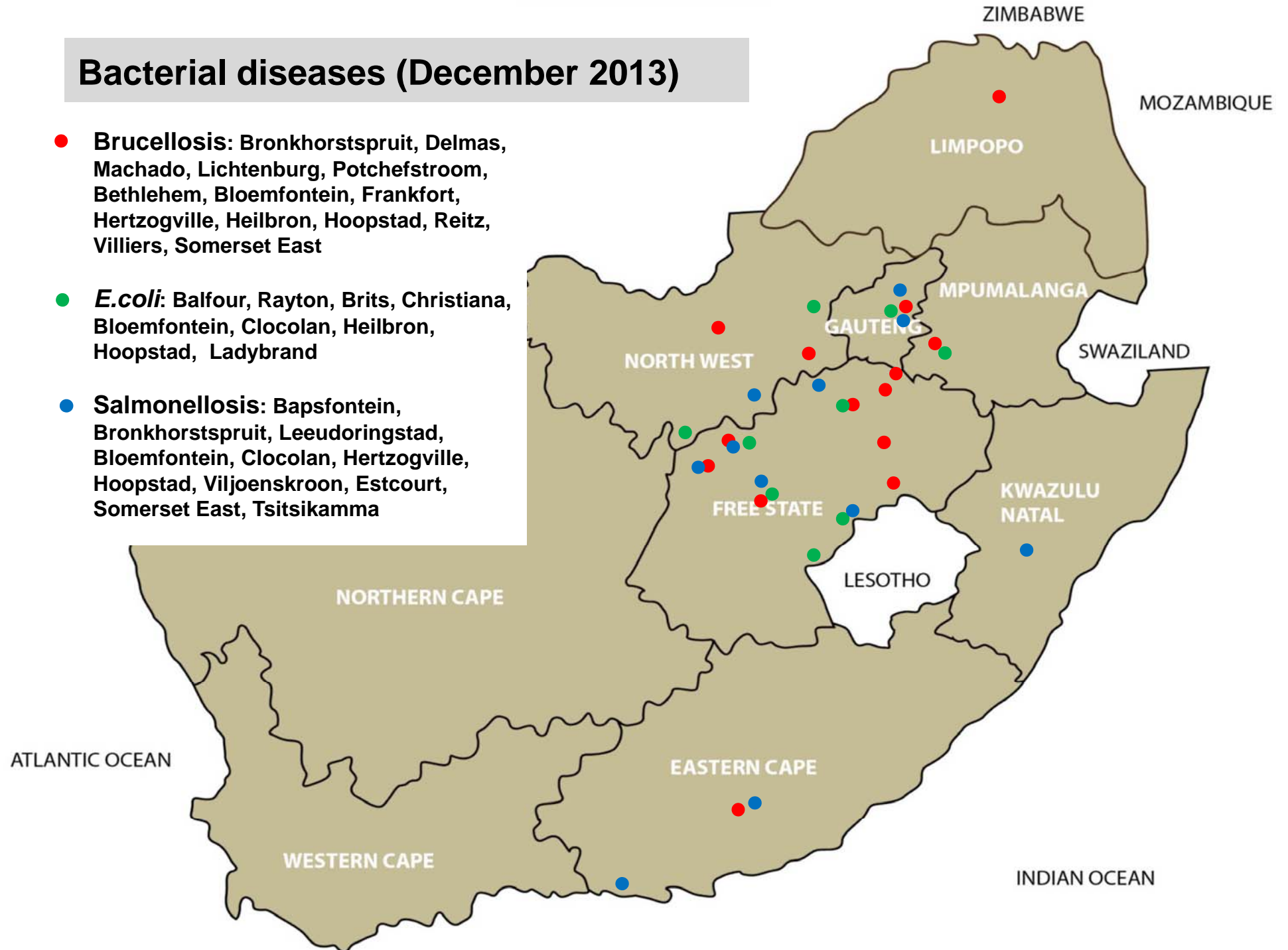
## Viral diseases (December 2013)

- **Warts:** Balfour, Piet Retief, Standerton, Nigel, Brits, Christiana, Frankfort, Harrismith, Memel, Dundee, Mtubatuba, Pongola, Malmesbury, Oudtshoorn
- **Orf:** Balfour, Lydenburg, Pretoria, Machado, Modimolle, Polokwane, Hoopstad, Kroonstad, Villiers, Dundee, Estcourt, Graaff-Reinet, Beaufort West, Wellington
- **Rabies:** Polokwane,
- **Jaagsiekte:**



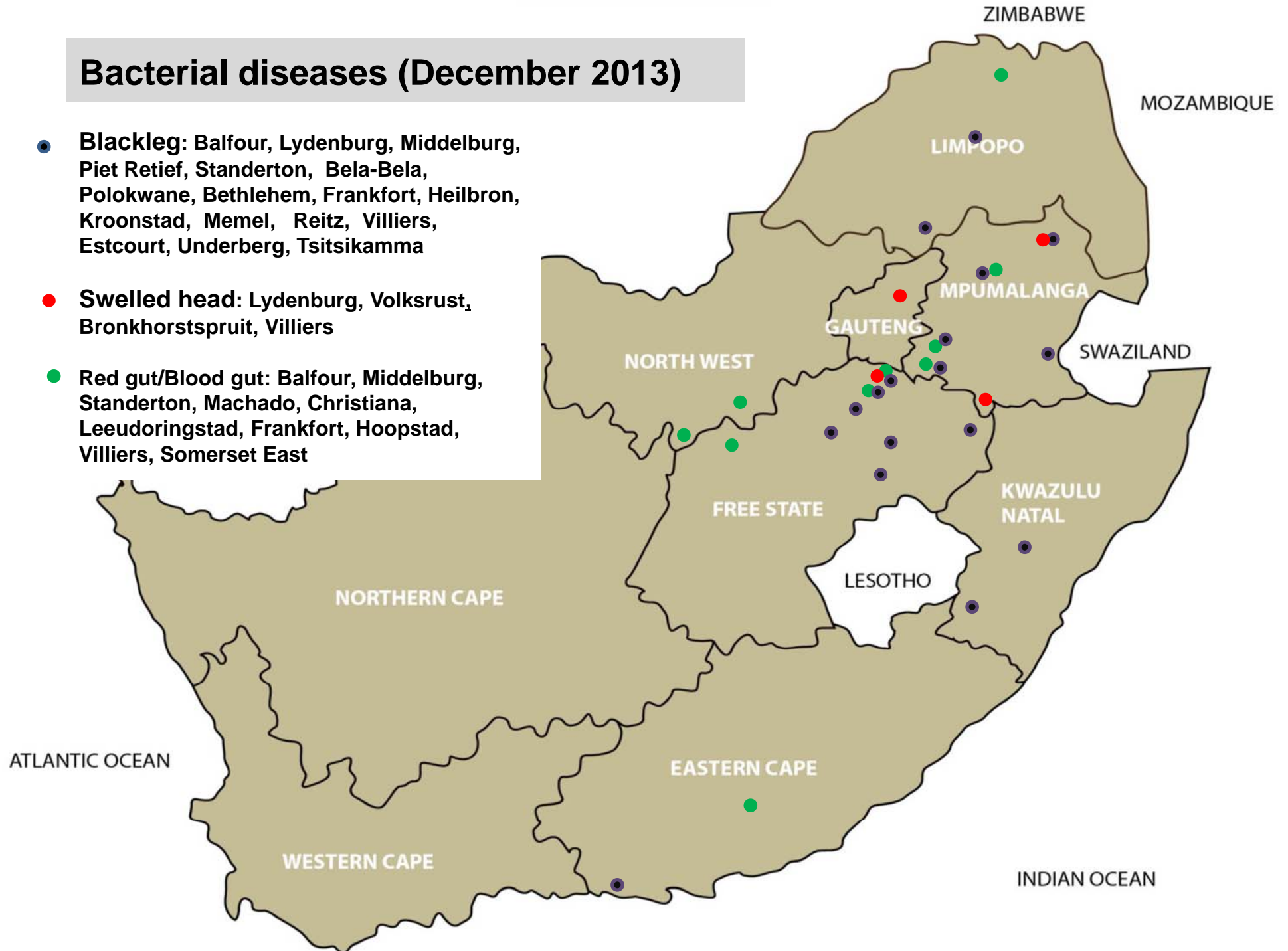
## Bacterial diseases (December 2013)

- **Brucellosis:** Bronkhorstspuit, Delmas, Machado, Lichtenburg, Potchefstroom, Bethlehem, Bloemfontein, Frankfort, Hertzogville, Heilbron, Hoopstad, Reitz, Villiers, Somerset East
- ***E.coli*:** Balfour, Rayton, Brits, Christiana, Bloemfontein, Clocolan, Heilbron, Hoopstad, Ladybrand
- **Salmonellosis:** Bapsfontein, Bronkhorstspuit, Leeudoringstad, Bloemfontein, Clocolan, Hertzogville, Hoopstad, Viljoenskroon, Estcourt, Somerset East, Tsitsikamma



## Bacterial diseases (December 2013)

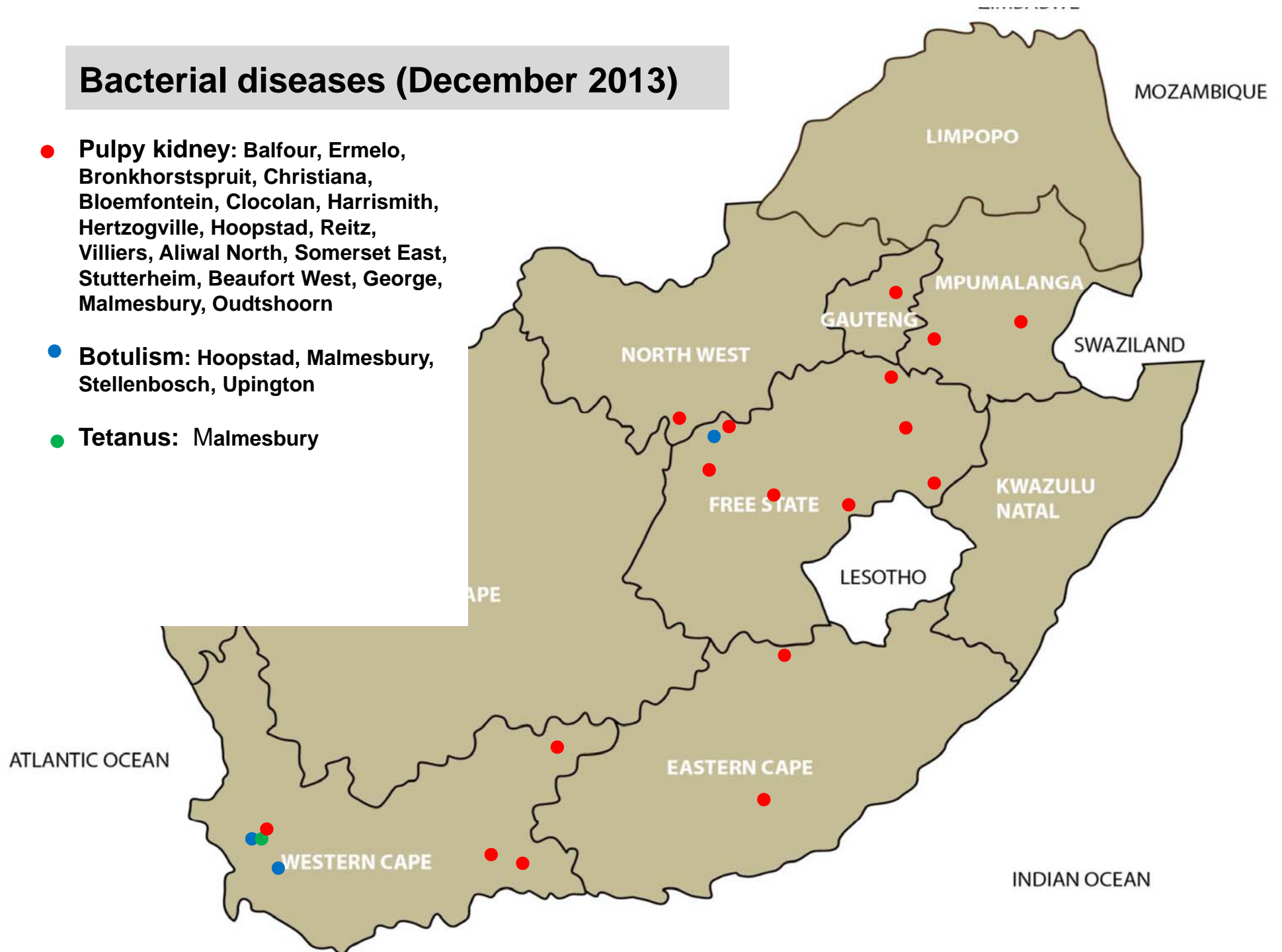
- **Blackleg:** Balfour, Lydenburg, Middelburg, Piet Retief, Standerton, Bela-Bela, Polokwane, Bethlehem, Frankfort, Heilbron, Kroonstad, Memel, Reitz, Villiers, Estcourt, Underberg, Tsitsikamma
- **Swelled head:** Lydenburg, Volksrust, Bronkhorstspuit, Villiers
- **Red gut/Blood gut:** Balfour, Middelburg, Standerton, Machado, Christiana, Leeudoringstad, Frankfort, Hoopstad, Villiers, Somerset East





## Bacterial diseases (December 2013)

- **Pulpy kidney:** Balfour, Ermelo, Bronkhorstspuit, Christiana, Bloemfontein, Clocolan, Harrismith, Hertzogville, Hoopstad, Reitz, Villiers, Aliwal North, Somerset East, Stutterheim, Beaufort West, George, Malmesbury, Oudtshoorn
- **Botulism:** Hoopstad, Malmesbury, Stellenbosch, Upington
- **Tetanus:** Malmesbury



## Pneumonia (December 2013)

- Pneumonia: Bethal, Lydenburg, Middelburg, Nelspruit, Piet Retief, Nigel, Pretoria, Rustenburg, Bloemfontein, Clocolan, Heilbron, Hoopstad, Viljoenskroon, Bergville, Dundee, Estcourt, Howick, Mtubatuba, Pietermaritzburg, Somerset East, Darling, George, Stellenbosch Darling

