

Department of INDUSTRY, TOURISM AND TRADE

Emergency Animal Disease (EAD) Update



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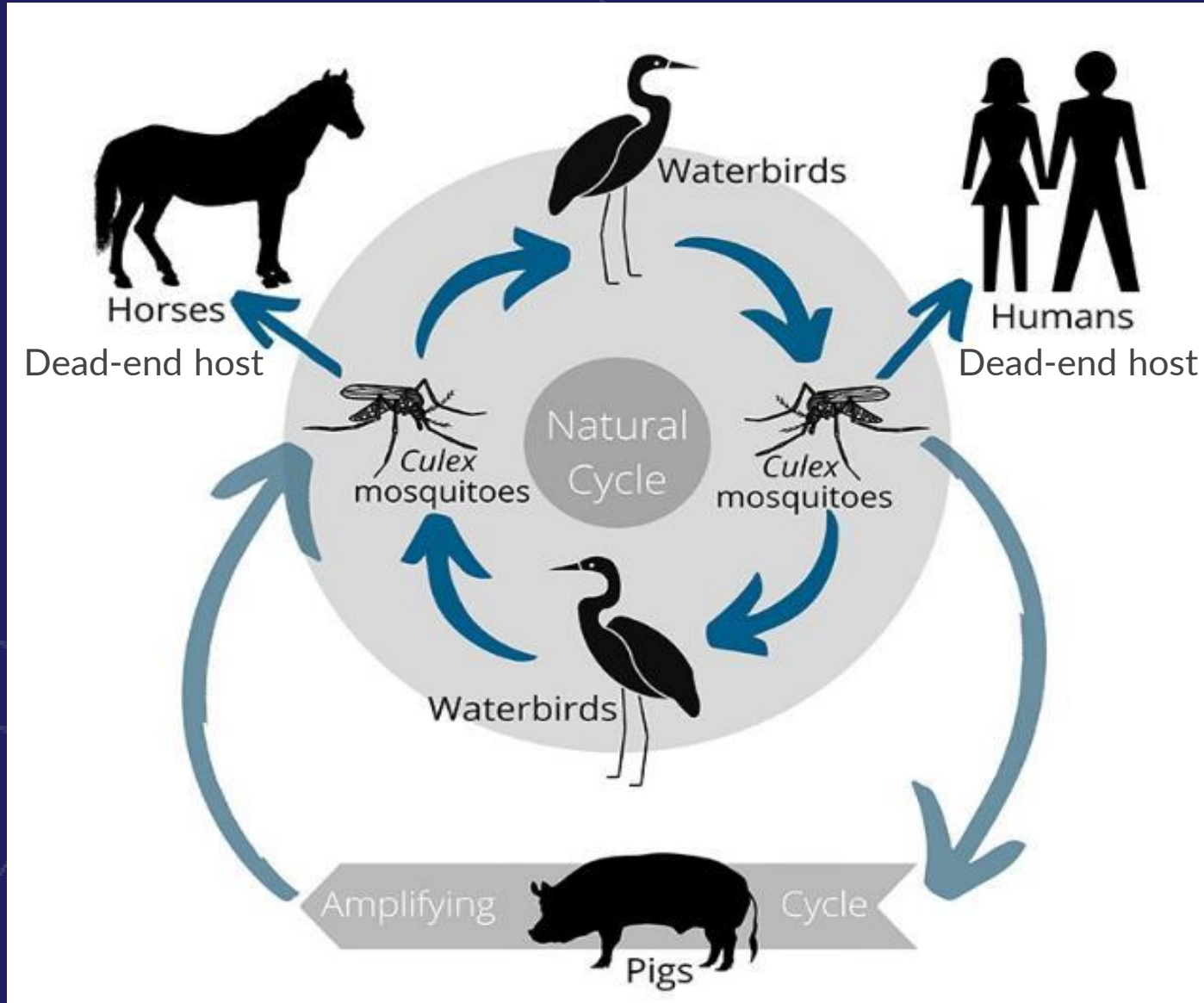
Regional Veterinary Officer
Livestock Biosecurity Branch





Japanese Encephalitis virus (JEV)

JEV Transmission cycle



Current Status Australia



- As at 22 July 2022:
 - 40 human cases of JEV across Australia.
 - 5 deaths
- As at 20 June 2022:
 - 79 Infected Premises (piggeries; this number hasn't changes for months)



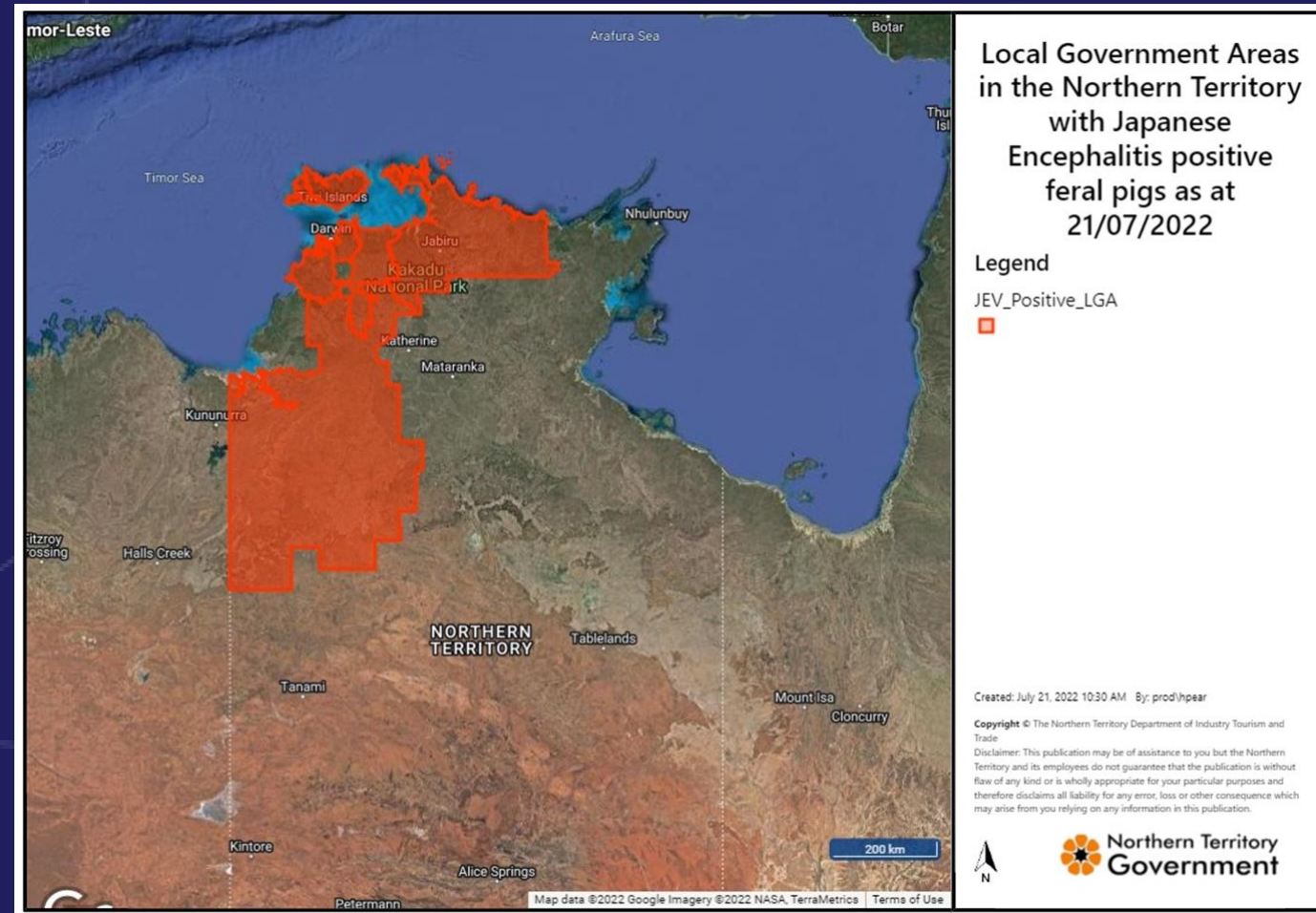
JEV Current Status Northern Territory

Human cases:

- Fatal case February 2021 Tiwi Islands
- Recovered case May 2021 Top End
- Recovered case June 2022 remote community in the Top End

Animal detections:

- 52 feral pigs with active infection detected in the NT so far...
- Domestic pigs and horses sampled negative
- Nearly 50,000 mosquitoes JEV negative



MOVING FORWARD - JEV

Nationally:

- Management Phase of response
- Monitoring/ suspect testing only

Northern Territory:

- Still in active response mode
- NAQS aerial surveillance continuing
- NTG: Joint human and animal health response plan
 - Vaccination strategy
 - Surveillance plan
 - Vector control
 - Feral pig control
 - Communications plan



Foot and Mouth Disease

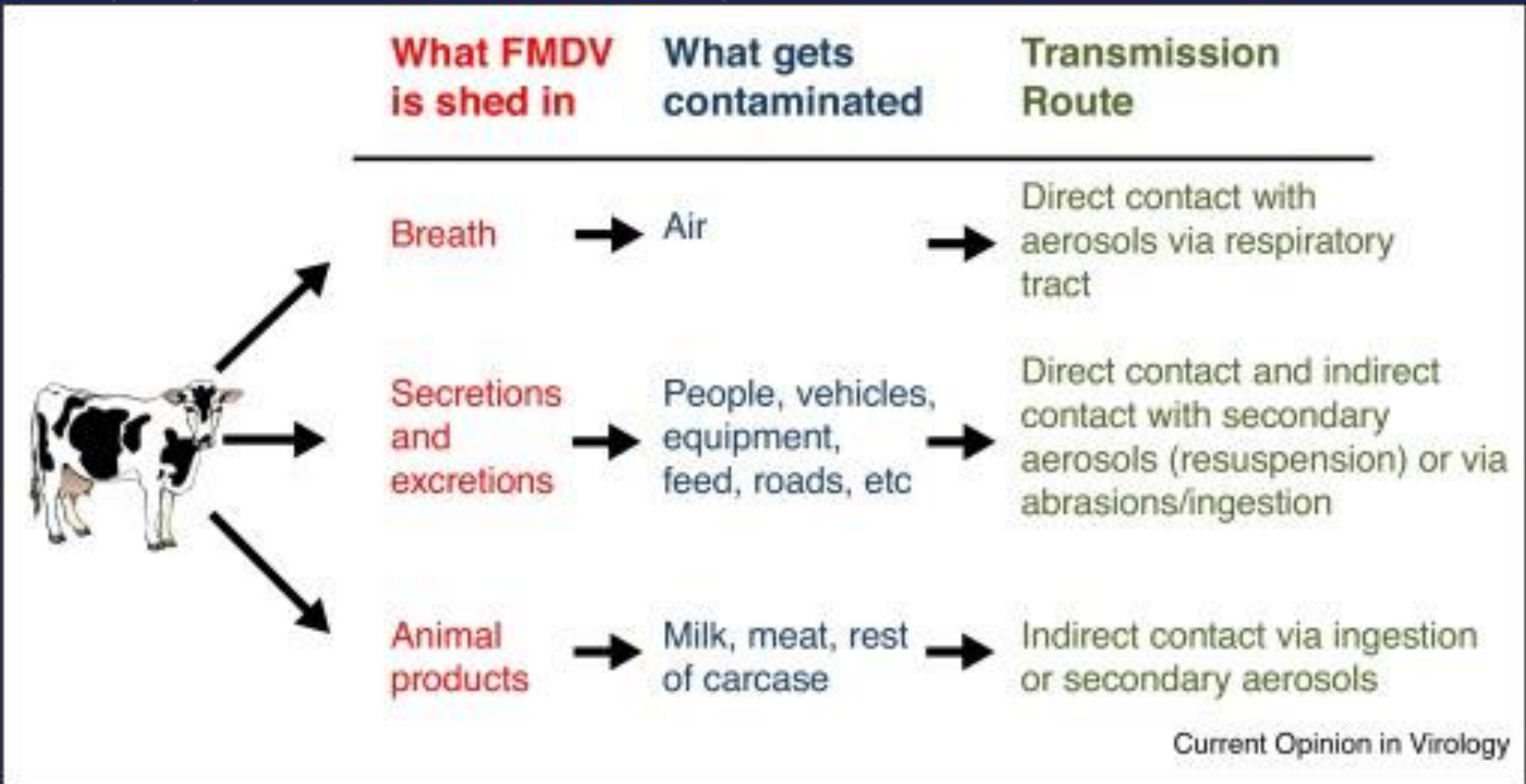
Foot and mouth disease (FMD) is a highly contagious viral disease of animals

It affects all cloven-hoofed animals

- Cattle
- Buffalo
- Camels
- Sheep
- Goats
- Deer
- Pigs



How is FMD virus transmitted



Clinical signs



- Increased temperature
- Fluid filled Vesicles
 - Feet
 - Mammary glands
 - Muzzle /Tongue /Dental pad
- Excessive salivation/ inability to eat
- Reluctance to move
- Depression
- Lameness
- Sudden death in young animals

Clinical signs generally appear 3-14 days post exposure

Australian Government

Department of Agriculture, Fisheries and Forestry

Increased **Biosecurity Measures** at the Border



- Detector dog at Darwin Airport
- Biosecurity Officers boarding planes
- New biosecurity message on all flights from Indonesia
- New targeted operations checking passengers
- **Additional signage and the distribution of flyers at major airports, informing travellers of FMD risk and precautions**
- **Expanded social media campaigns, informing travellers of their biosecurity responsibilities**
- **Disinfection mats at all airports**



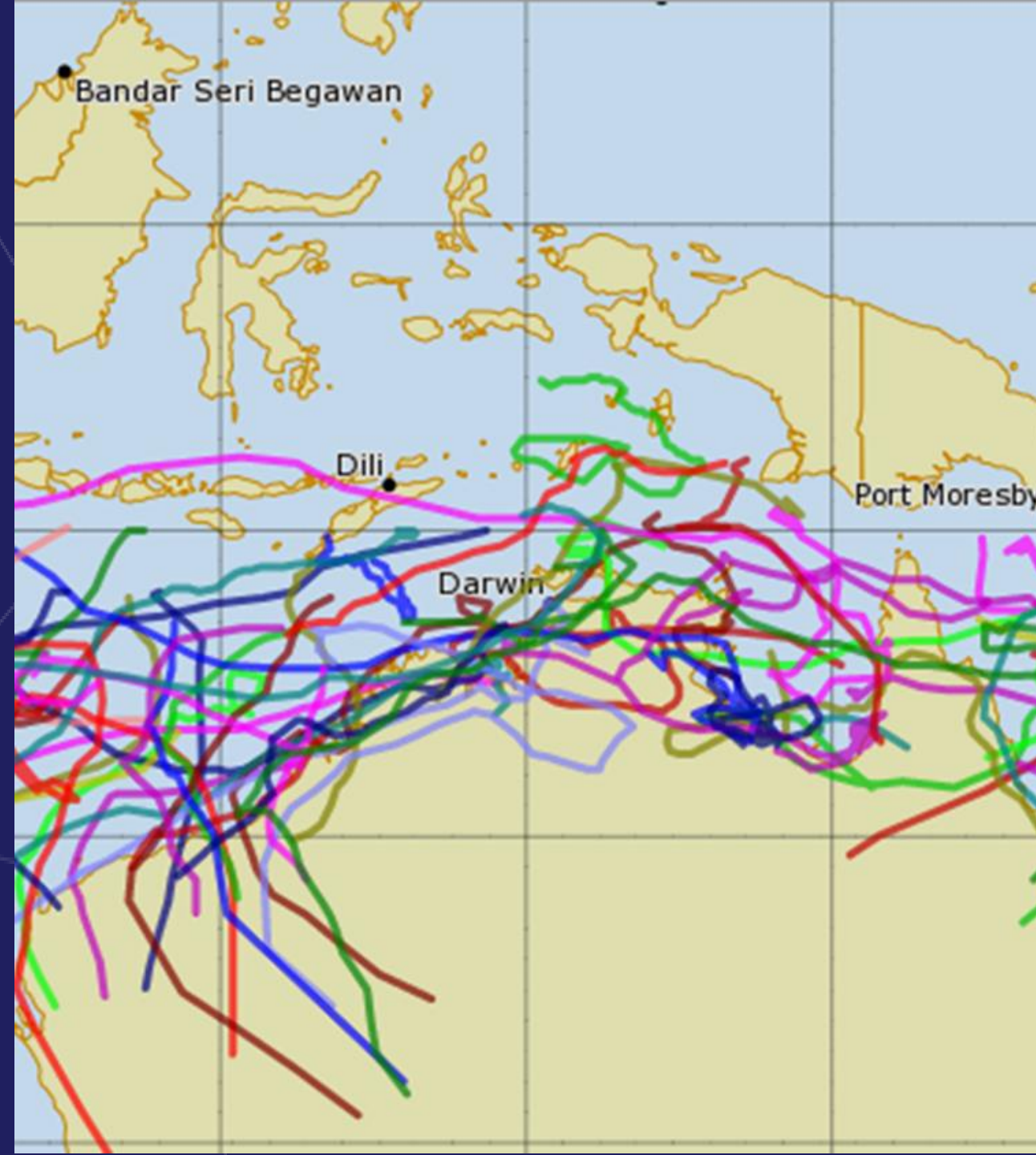
Lumpy Skin Disease

- Virus affecting cattle, buffalo and banteng
- Spread by biting insects
- Causes fever and depression
- Causes lumps on skin and in mouth, trachea, lungs, rumen, testicles and uterus



Why are we so worried about LSD?

- LSD is in Indonesia **NOW**
- It is transmitted by insect vectors, which can't be controlled in our environment
- It can enter Australia through monsoonal winds
- It will infect our feral cattle, buffalo and banteng populations



Lumpy Skin Disease

National Actions

- Vaccine assistance for Indonesia
- A National LSD Action Plan
- Increased surveillance including in feral animals
- Importation of the LSD virus for vector research and test development
- Investment in vaccine development
- Investigating international markets for trade





Lumpy Skin Disease
has never been detected in
Australia but is spreading
rapidly internationally.



Know the signs.



Report it.



Test it.

LSD Test Kits



LSD.preparedness@nt.gov.au

The Private Veterinary Sector

- The first line of defence
- Passive surveillance
- Targeted surveillance

FUNDING UNDER NSDIP FOR LIVESTOCK EAD EXCLUSIONS

Potential Roles

With the appropriate training and skills private practitioners can undertake any of a range of roles in an EAD response.

Emergency Centre

- Planning
- Operations
- Logistics

Traditional roles

- Field surveillance
- Vaccination



Engagement of private veterinarians

Two methods private veterinarians may be engaged during an EAD response:

Government employee:

- Engaged directly by the responding jurisdiction as a government employee on either a temporary or casual basis.

Contractor:

- Contracted by the responding jurisdiction to perform specified services to support the response.

REMUNERATION RATES REVISED ANNUALLY AND IN CONSULTATION WITH AVA

FURTHER RESOURCES

- AUSVETPLAN manuals and supporting documents
- [Engagement of Private Veterinarians in an Emergency Animal Disease Response - DAFF \(agriculture.gov.au\)](#)

[Emergency animal diseases - A field guide for Australian veterinarians | National pest & disease outbreaks](#)
- DAFF: Emergency Animal Disease Surveillance training
[Home | Emergency Animal Disease Surveillance \(eadonline.com.au\)](#)
- Animal Health Australia (AHA): EAD on-line training
[Online training courses - Animal Health Australia](#)



THANK YOU

**EMERGENCY ANIMAL
DISEASE WATCH HOTLINE**

1800 675 888