

Animal Identification & Recording for Animal Tracking & Disease Control...the Australian Experience



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Economic Development,
Jobs, Transport & Resources



Australia's National Livestock Identification System (Cattle) implementation

- Commenced in Victoria in early 1999
- The driver was a chemical contamination issue in the mid 1990s
- Phased in nationally on a mandatory basis from 2002
- The NLIS (Cattle) is now a mature system
- Successful because industry and Government have worked in partnership during implementation and ongoing growth

Reasons for livestock traceability

- Exotic disease control
- Food safety
- Endemic disease control
- Animal welfare
- Market access

PIC (Property Identification Code)

- Each State maintains a register of cattle properties
- Each property has a Property Identification Code (PIC)
- PICs are the **foundation** of the Australian National Livestock Identification System (NLIS)

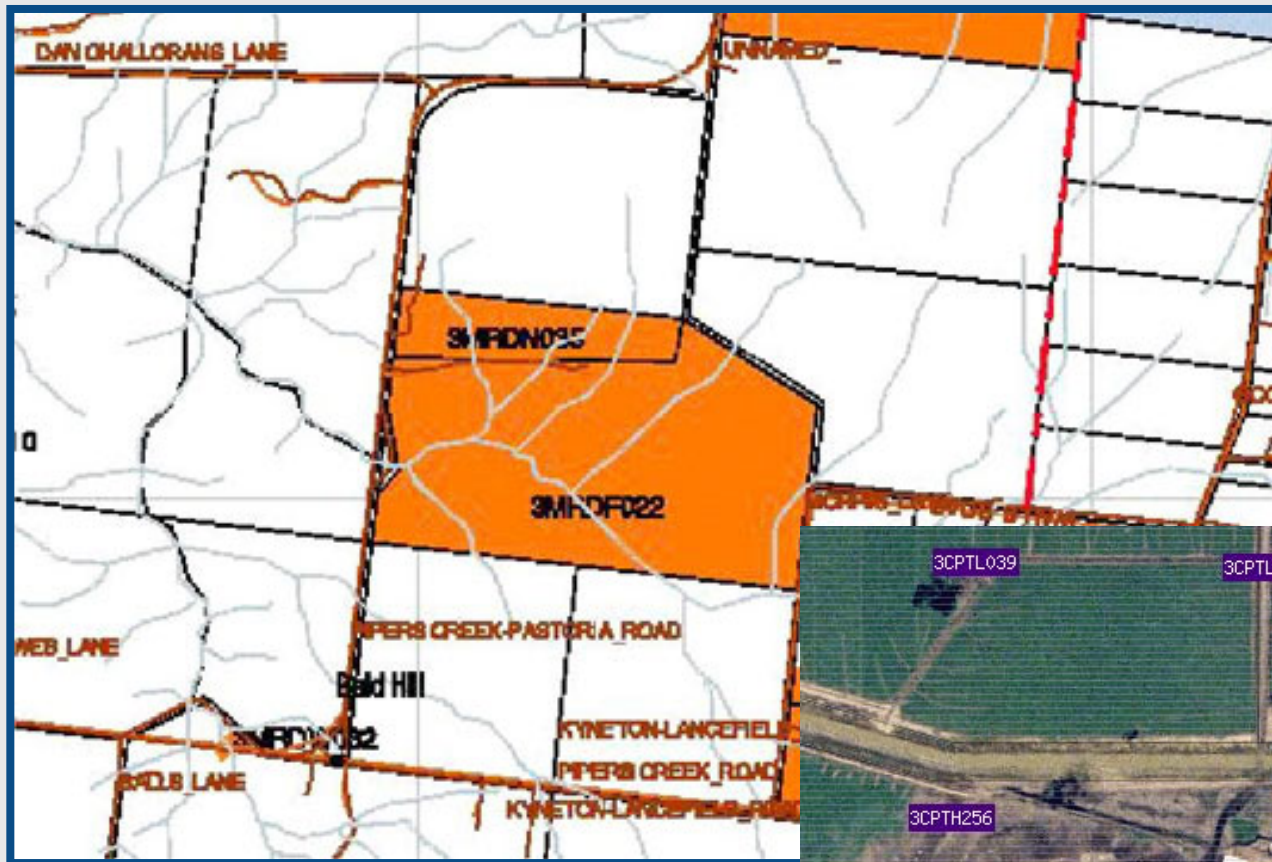
LOCATION...LOCATION...LOCATION

81,525 Active PICs

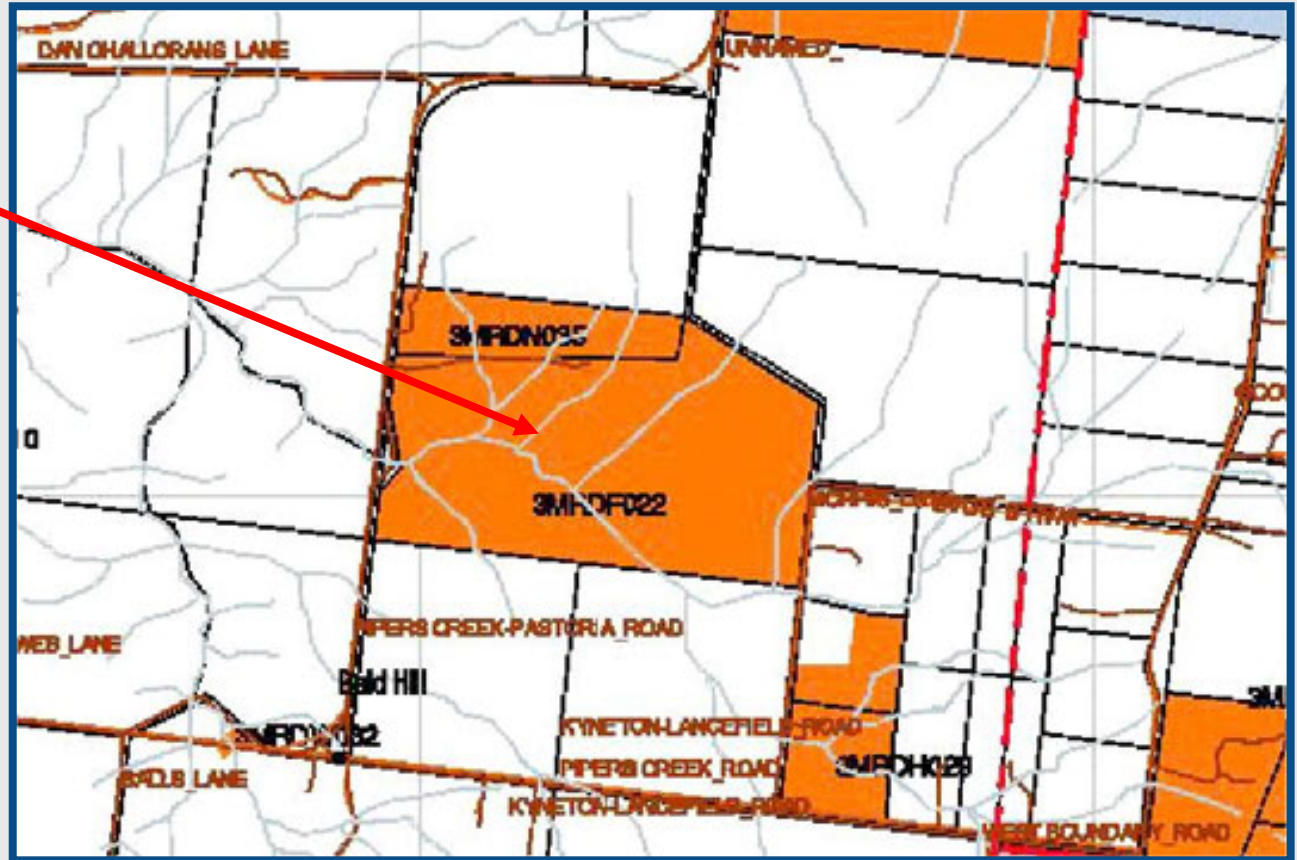


Species	PICs
Sheep	17,961
Cattle– Beef	49,314
Cattle– Dairy	9,853
Deer	214
Goats	1,557
Horses	5,863
Pigs	1,293
Poultry	1,045
Alpaca	953

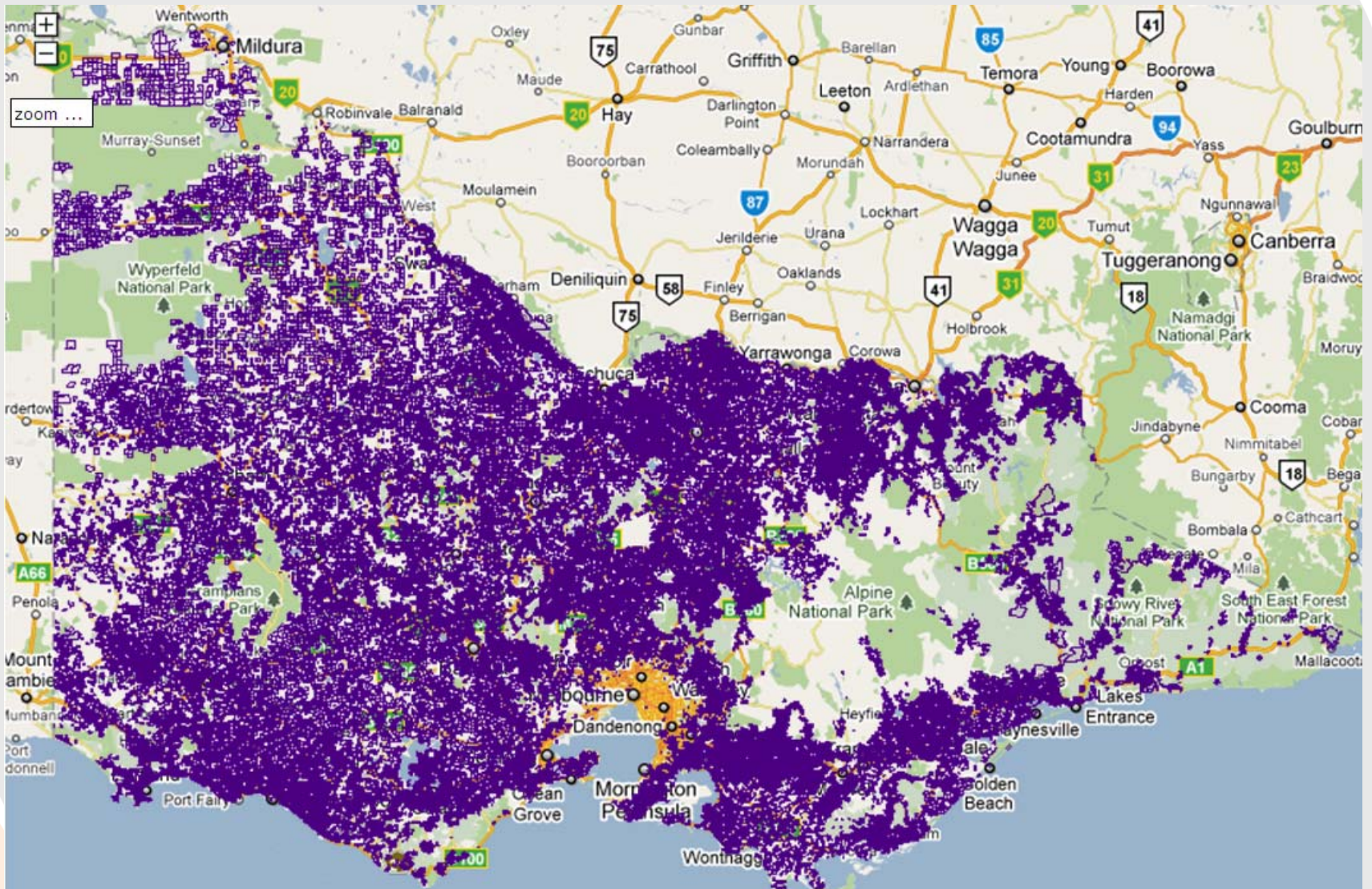
PICs are linked to geographical locations



RFID devices are linked to PICs (geographical locations)



Current Victorian Active PICs



All RFID tags are recorded when a movement of cattle occurs...from PIC to PIC

NLIS tags



Cattle producer



Saleyard transactions



Feedlot



Abattoir



NLIS Database



Disease Outbreak!

Attitude...attitude...attitude

BioWeb-MAX – Overall Biosecurity web platform

Animal Health components:

ADMIS – Animal Disease Management Information System

YES – Epidemiology system

NLIS Database – National movement recording database

PITR – System for managing property id codes (PICs) and tag sales

LTAT – Livestock Tag and Trace

Livetrace

Animal Disease Management Information System

File Admin Reports History Modes Window Help

Details Map Find... Find by PIC: Multiple PIC Windows

3ARHS016 - Sheep JD

PIC: 3ARHS016 Status: Active Last updated by rm26 on 28/07/2008 2:29:49 PM

Applicant (PIC Owner) Property Owner *Adn Primary Property Relationships

MCKINDLAY INVESTMENTS
RMB 957 YARRAM GAP ROAD
WILLAURA VIC 3379
Phone: 03 5354 1254
Mobile:

YARRAM GAP ROAD
District: BALLARAT
Shire: ARARAT
Parish: WATGANIA
CPN: 647015021000

Owner: Hamish McKindlay

Status
Infected
As of 28/07/2008

RecordID PIC Relationship

ID Type ID

Program

- ALL Programs
 - Abattoir inspections
 - Animal Welfare
 - Anthrax
 - Disease Monitoring
 - EBL
 - General Information
 - Johnes Disease
 - Alpaca JD
 - Cattle JD
 - Deer JD
 - Goat JD
 - Sheep JD
 - NAMP
 - NLIS
 - NORM

Open BioWeb site for program

Comments Attachments

Status Events Sched. Events Stock Samples Trace Forward Trace Back Connections Other Ids

Drag a column header here to group by that column.

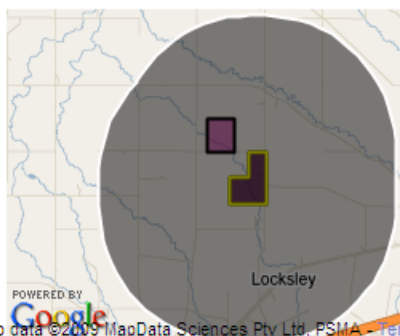
Status	Start_Date	End_Date	Comment
Infected	28/07/2008		OJD Abattoir monitoring

View Add Edit

Control Centre : Eastbank Cent

Owner: WAASDORP, M
1209 BURKE ROAD
KEW, 3101
Phone: 03 5795 2495
Mobile: 0417 349 879
Email:
Manager:,

Phone:
Mobile:
Email:
PIC: 3SBKW001
KILLARA PARK 643 CARMODYS ROAD
LONGWOOD



NLIS Trace Back - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Folders

Address <http://bioweb.nre.vic.gov.au/campaigns/diva/webpag> Go

Links

NLIS Trace Back

Source PIC	RFID	NLISID	Tr
3SBKB008	982 000108867220	3SBKB008XBD00182	11 12
3SBKB008	982 000108867278	3SBKB008XBD00159	11 12
3SBKB008	982 000060173301	3SBKB008XBB00109	11 12
3SBKN004	982 000089945937	3SBKN004XBD01254	11 12
3SBKN004	982 000090013146	3SBKN004XBD01264	11 12
3SBKN004	982 000090013174	3SBKN004XBD01219	11 12
3SBKN004	982 000089940528	3SBKN004XBD01223	11 12
3SBKN004	982 000089944555	3SBKN004XBD01237	11 12
3SBKN004	982 000110798375	3SBKN004XBD01246	11 12
3SBKN004	982 000110798375	3SBKN004XBD01241	11 12

Trusted sites

All Sites Search Add

ed Premises Next Visit : None Day Zero : 12/10/

Instruments Vaccination IPOPs Map Documents

NLIS Reports

3SBKW001

Current Holdings

Date	End Date
	20/1/2010
Back	Trace Forward
(Grouped)	Trace Forward (Grouped)
	Killed - not transferred
To Map Buffer	Movements From Map Buffer

Buffering Tools

☒ Select Parcel

☐ Draw Shape

☐ Delete Selection

Buffer (m)

WebpagesBufferedPICs - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Folders Favorites

Address <http://bioweb.nre.vic.gov.au/campaigns/diva/Webpages/Reporting/BufferedPICs.aspx> Go

Links

MAX
Biosecurity Diva 09

PIC	Status	PERSNAME	FULLADDRESS	Locality	Mobile	Phone	Fax	Email
3CPXG070	AC	DG WILSON PTY LTD	TARA 343 COROP- WANALTA ROAD COLBINABBIN VIC 3559	COLBINABBIN	0428 567 281	(03) 5480 7751		
3CPWR027	AC	SORTINO, J & N	115 GIBSON ROAD NANNEELLA NANNEELLA VIC 3561	NANNEELLA	0417 351 833	(03) 5484 03 5551 5484 6207		
3CPWN076	AC	IRELAND, CLARE	107 BROWN ROAD COLBINABBIN VIC 3559	COLBINABBIN	0419 604 237			
3CPWF071	AC	SUVANDALE P/L	48 MITCHELL STREET COLBINABBIN VIC 3559	COLBINABBIN		(03) 5486 2300		
3CPYF030	AC	HALL, NR & JM	PO BOX 1109 STRATHFIELDSAYE VIC 3551	STRATHFIELDSAYE	0418 590 985	(03) 5484 03 6271 5441 7655		jadepark@themediaco
3CPWS011	D2	PEAKE, RA	RMB 1275 REID ROAD WANALTA VIC 3612	WANALTA		03 5856 7201		
3CPWE000	AC	WH YOUNG GROUP P/L	RMB 2170 COLBINABBIN VIC 3559	COLBINABBIN	0428 132 665	(03) 5859 2223		
3CPWU034	AC	O'KANE, B & MA	88 MOORA ROAD RUSHWORTH VIC 3612	RUSHWORTH	0407 342 523	(03) 5483 03 5096 5856 1586		
3CPWT058	AC	LANCASTER, RJ	537 DEPOT ROAD COLBINABBIN VIC 3559	COLBINABBIN	0428 329 240	(03) 5432 9283		
3CPXU073	AC	RYAN, A	127 WANALTA- COROP ROAD COLBINABBIN VIC	COLBINABBIN	0427 200 740		03 5856 7272	

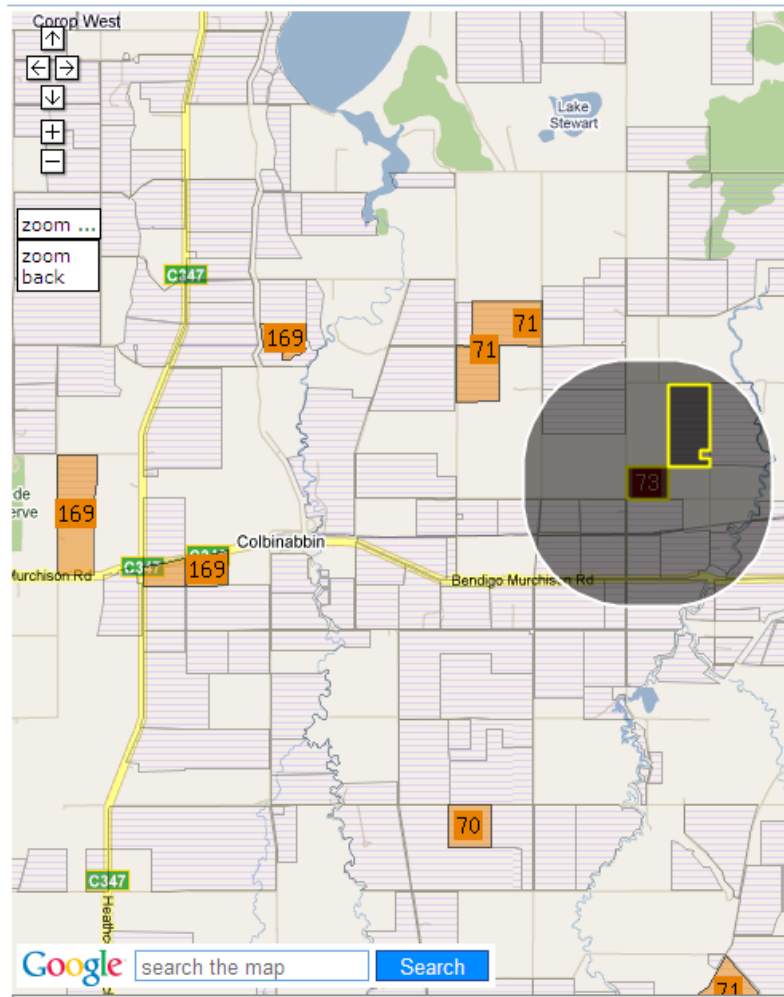
Done

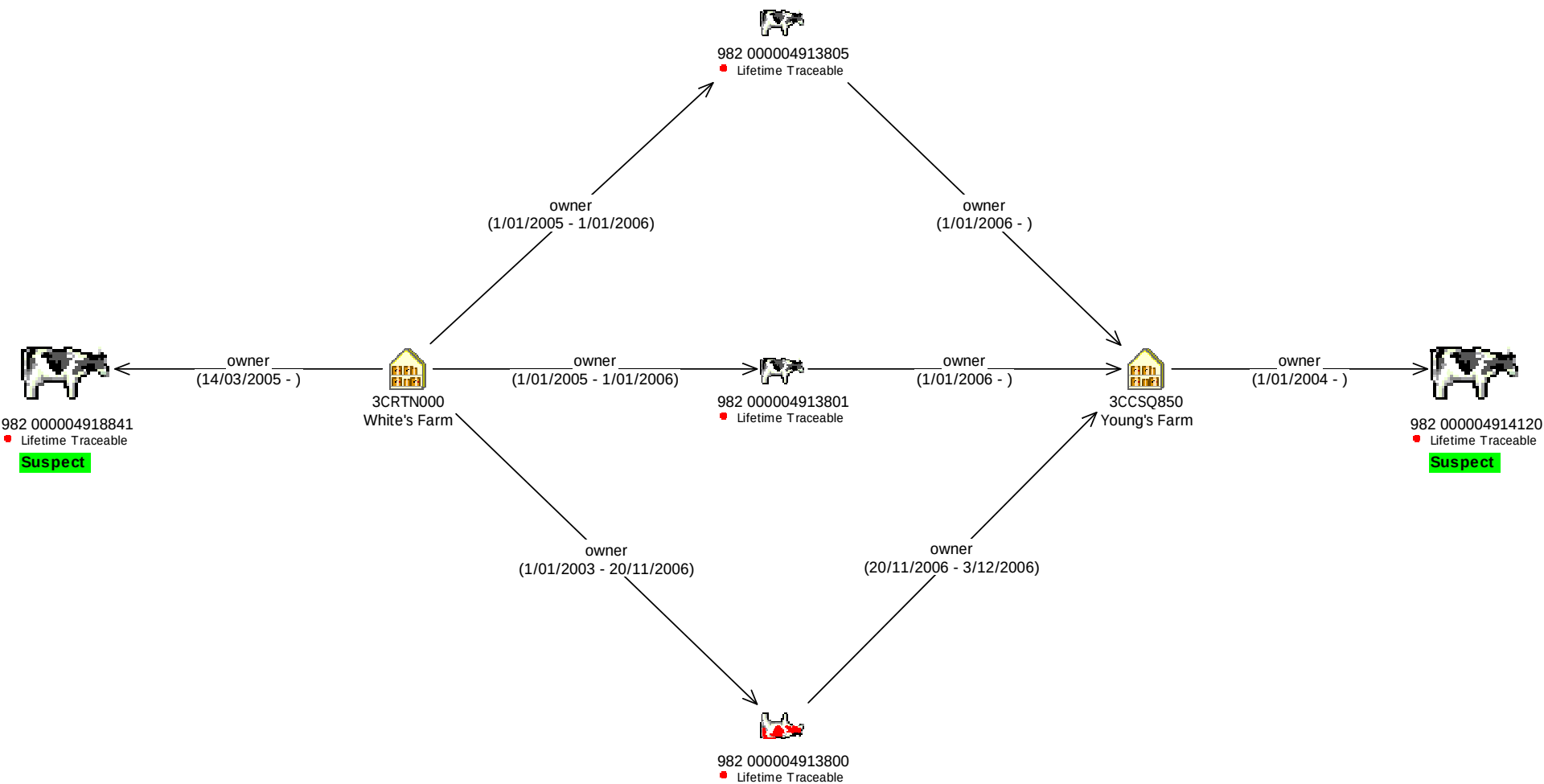
Trusted sites

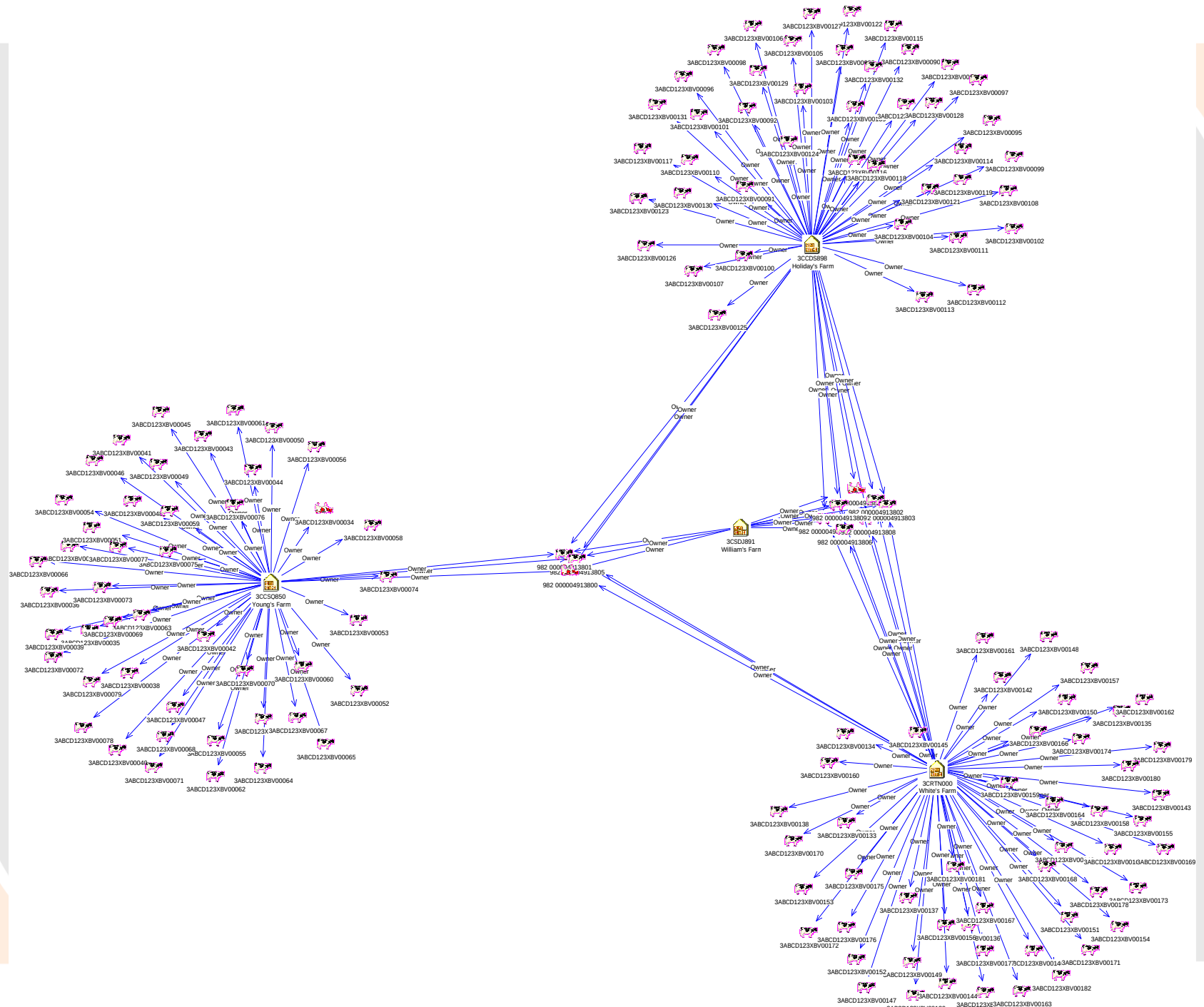


Map Overview

Situation Overview







Exercise Diva

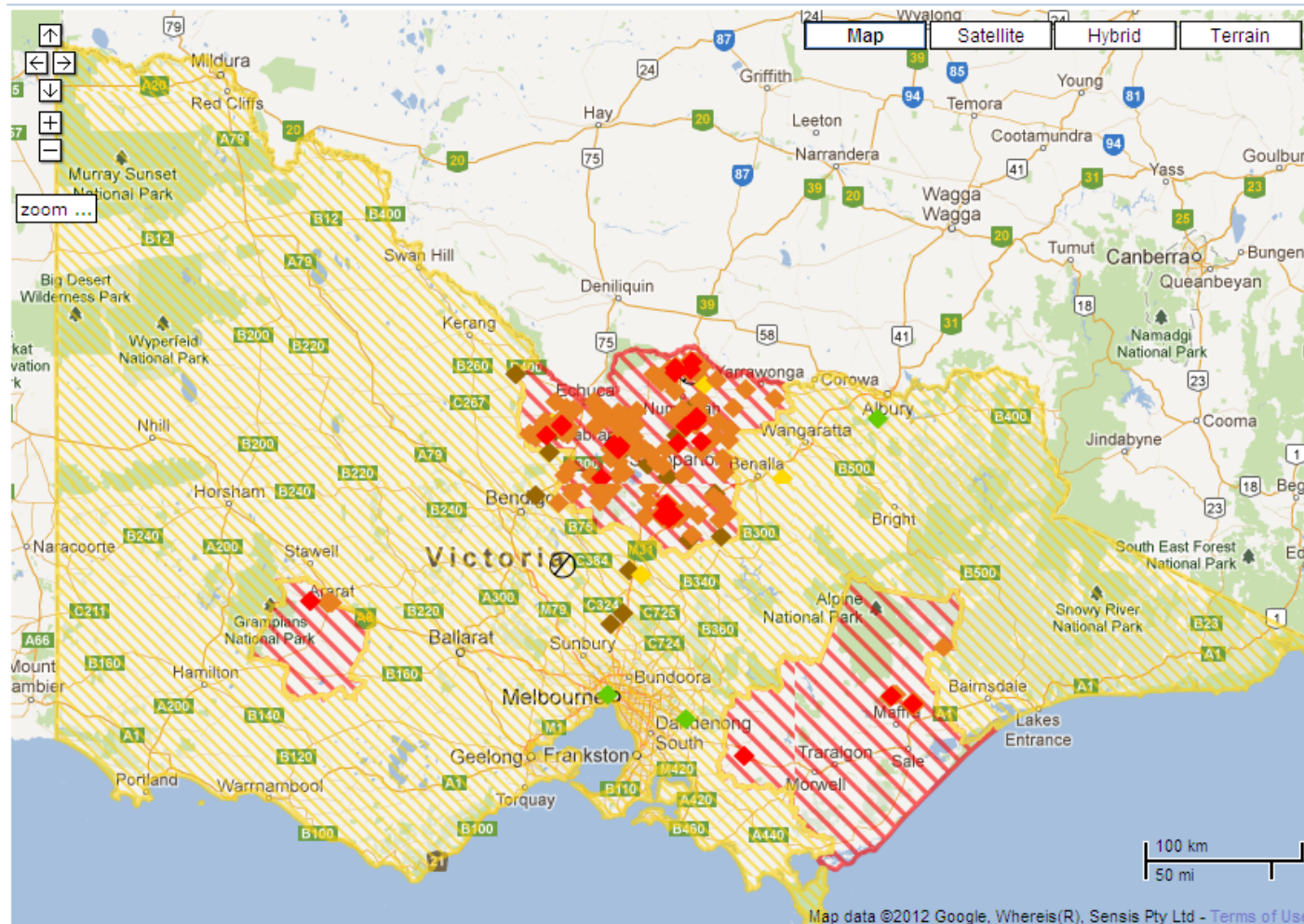
Exercise DIVA Communications CSC Industry Liaison Logistics Mapping Planning Operations Reporting



Map Overview

Exercise DIVA

Situation Overview



MAP LAYERS



☒ EAD Property Status

- ◆ Infected Premises (IP)
- ◆ Suspect Premises (SP)
- ◆ Dangerous Contact Premises (DCP)
- ◆ Unknown Status Premises (UP)
- ◆ At Risk Premises (ARP)
- ◆ Trace Premises (TP)
- ◆ Assessed Negative Premises (ANP)
- Zero Susceptible Stock Premises (ZP)
- ◆ Resolved Premises (RP)

☒ EAD Zones

- ▨ Restricted Area
- ▨ Control Area

☐ Roadblocks

- ⊗ NSW IPs
- PIC Properties
- ▨ Active PIC
- ▨ Inactive PIC

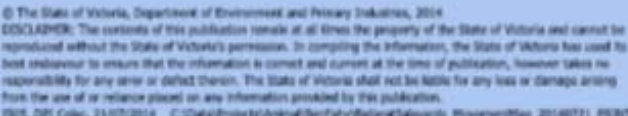
☐ Vic Govt Aerial Photo

☐ Query Case ☐ Query PIC

Mouse LonLat: 149.941406
-36.853252

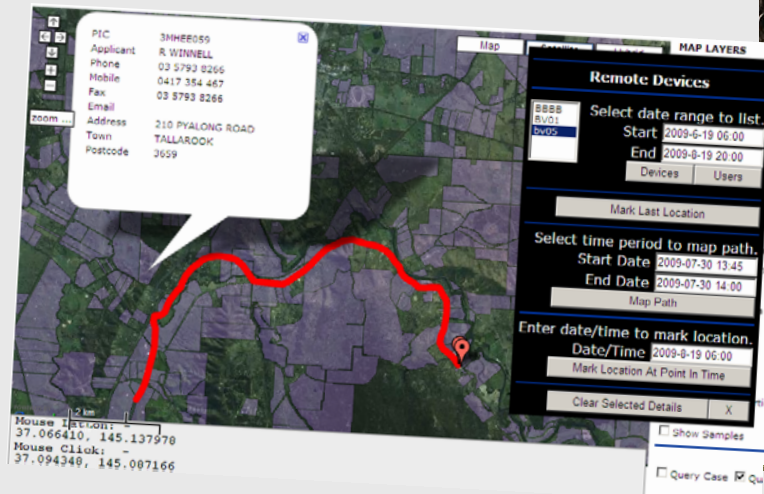
Mouse Click:

Guernseydale



Key Elements

- Central Database
- Electronic not visual
- Minimum standards
- Appropriate equipment
- Attitude...attitude...attitude



Central Database

The NLIS database:

- On average receives 90,000 – 120,000 cattle movement records per day
- 99.5% of transactions are received electronically, with most within 24 hours of the movement
- During 2014, about 5 million cattle movements were recorded on the NLIS database involving Victorian properties

Electronic not Visual

**12
ABC
14**

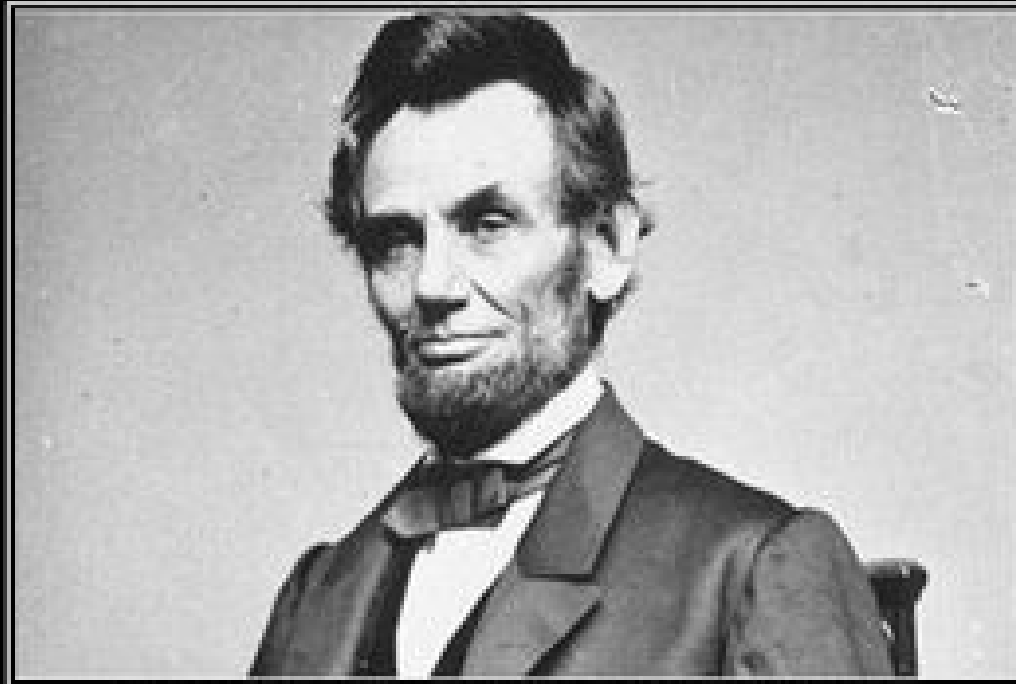


Minimum Standards

- All devices must be ICAR certified devices
- All devices are routinely monitored & checked for ongoing compliance to ICAR Certification.
- ISO 11784
- ISO 11785
- Internal Australian standard for Australian conditions and requirements

Appropriate Equipment





LEADERSHIP

Telling people what they want to hear or taking people where they need to be?

“Telling people what they want to hear or taking people where they need to be?”

Challenges remain!



Thank you

