

# Finding the 2021 NSW Hide and Seek Champions Sambar Deer

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# Sambar

- Greyish brown coarse coat
- As large as a horse
- Stags 250kg, hinds up to 180kgs
- Solitary
- Crepuscular/nocturnal
- Extremely invasive
- Intelligent
- Can become established before being detected



# Detection methods

- MMS camera trap
- Thermal imaging
- Pointing dogs
- White light



# MMS Camera Traps

## Application

- Surveillance detection
- Text and react

## Considerations

- Timing
- Topography
- Vegetation
- Cost
- Reliability
- Low return



# Thermal Imaging

## Application

- Transect
- Spot and stalk

## Considerations

- Timing
- Other heat sources
- Vegetation
- Cost
- Reliability
- Moderate return



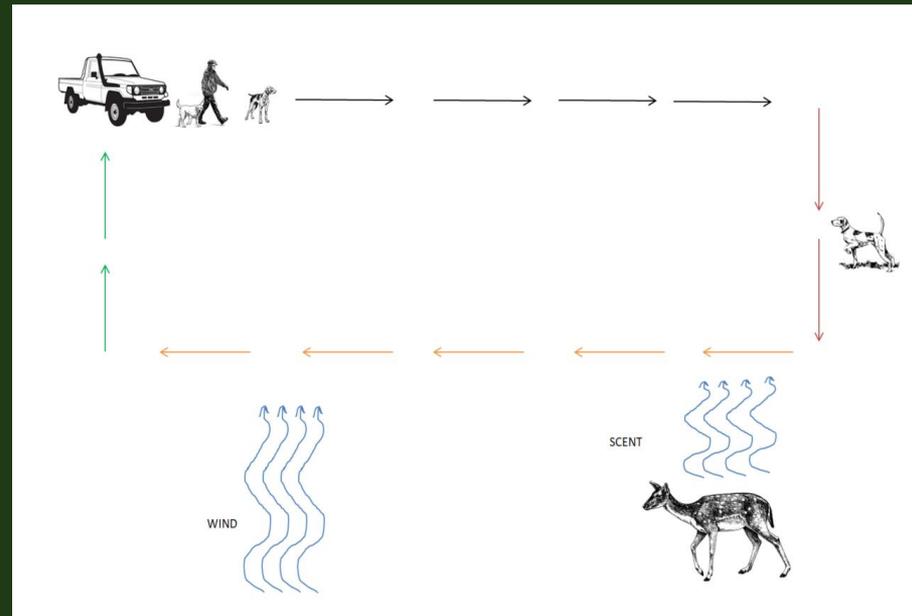
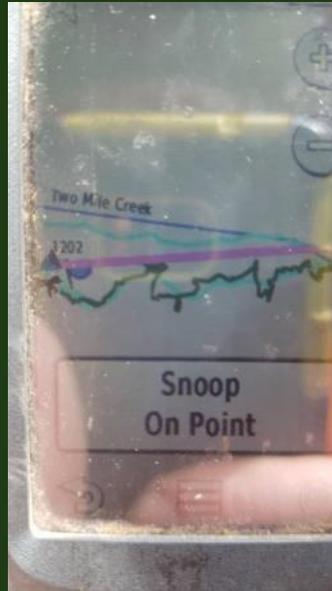
# Pointing Dog

## Application

- Grid and transect
- Indicate and stalk

## Considerations

- Timing
- Vegetation
- Cost
- Reliability
- Specialised
- High return



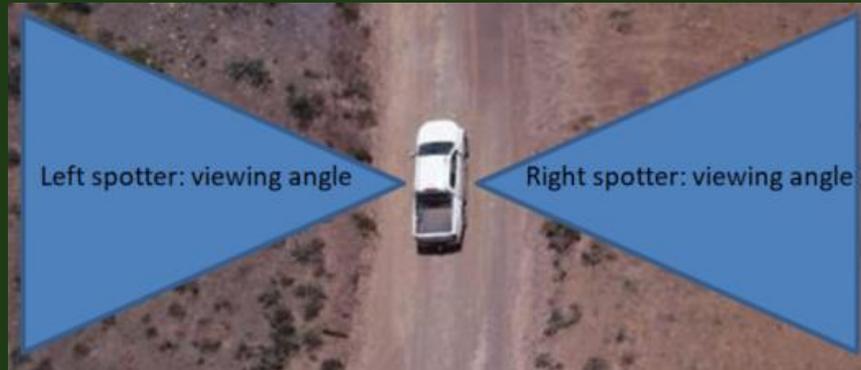
# White Light

## Application

- Transect
- Spot and stalk

## Considerations

- Timing
- Vegetation
- Cost
- Reliability
- High return



# Results

	Detection method			
	White Spot light	Thermal monocular	Pointing - scent dogs	MMS camera traps (4)
Number of deer detected	31	10	5	0
Number of deer shot	21	5	4	0
Percentage of use	86%	8%	6%	100%
Efficacy	68%	50%	80%	0%