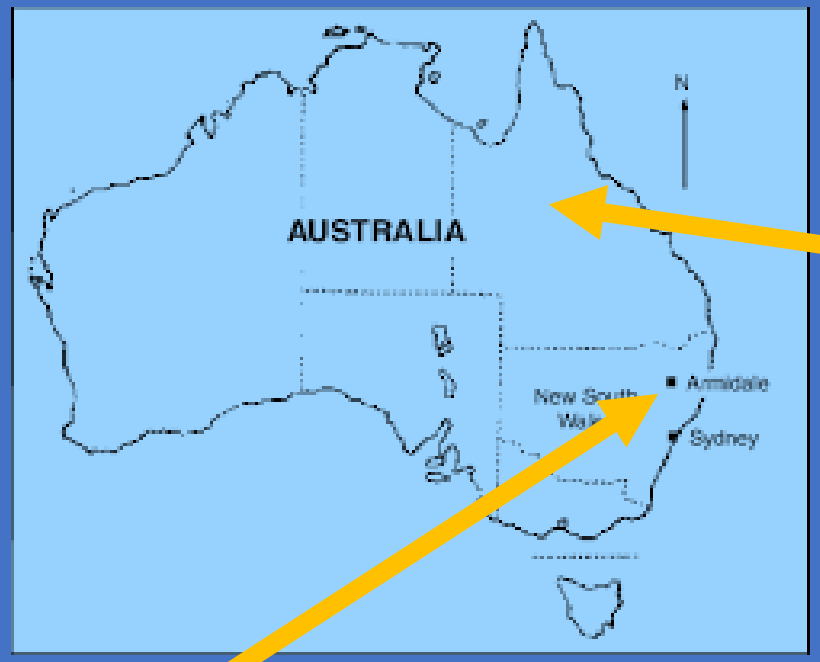
Livestock weighing in the paddock…that works.

OPTIWEIGH

Introduction



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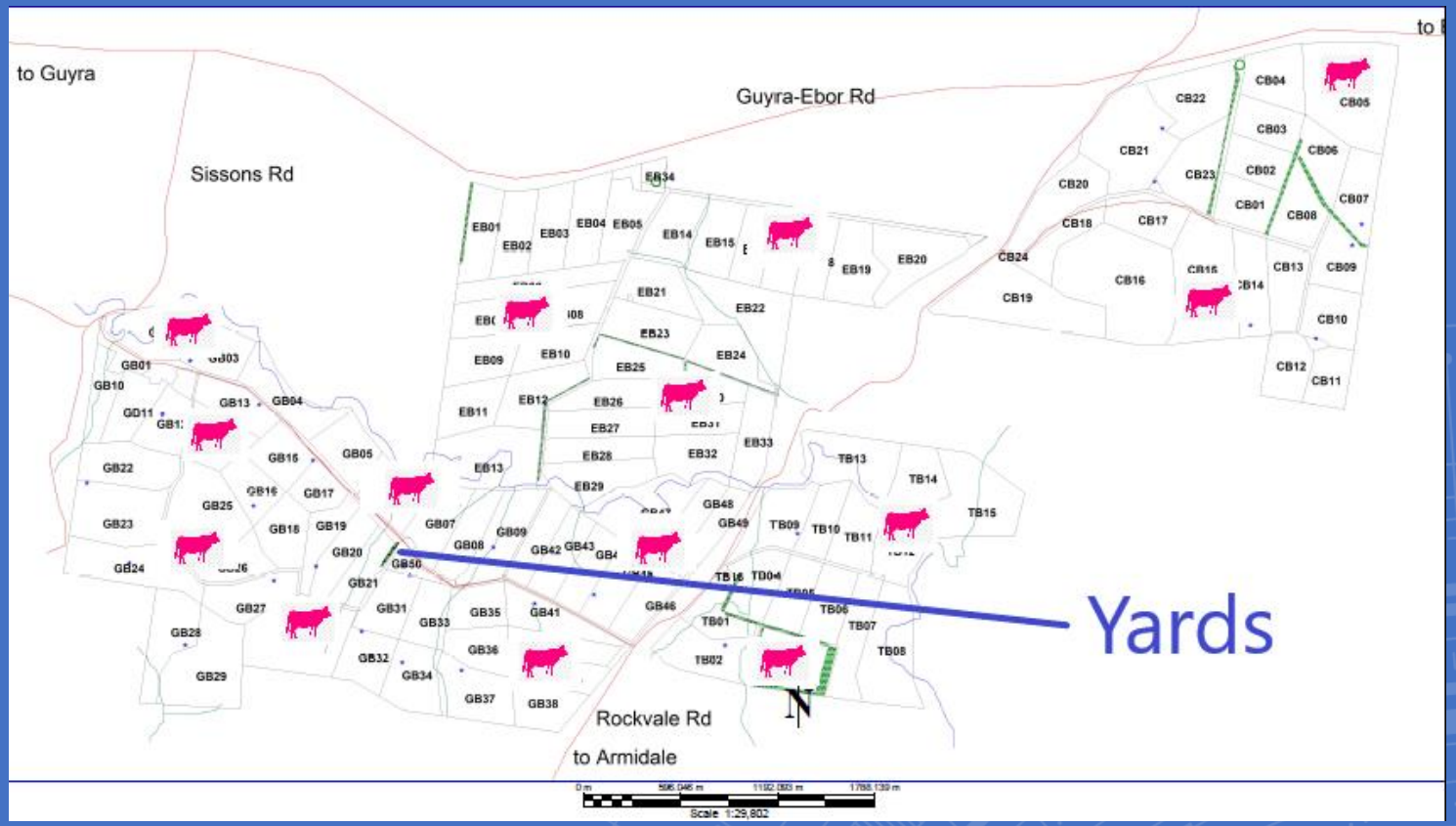
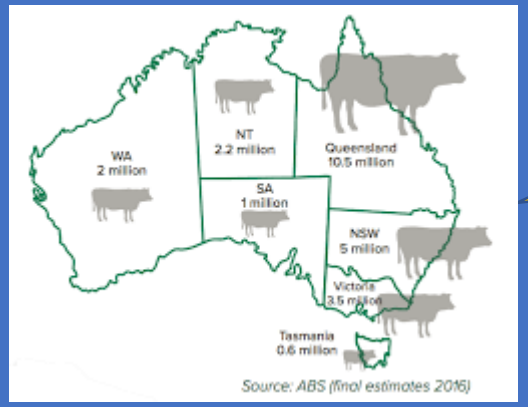
Problem

- We need better animal weight information:
  - To optimise sale weights and avoid penalties;
  - To improve reproductive performance;
  - To improve feed utilisation outcomes.
- Without having to take the animals to the yards for weighing
  - Time and cost
  - Animal weight loss





Just missing weight specs costs the Australian industry hundreds of $millions

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Why it works

- Animals voluntarily weigh themselves because they only need to place two feet on the platform (enticed by the presence of a lick block)
- Doesn’t rely on forcing or training the animals to do anything
- Takes only between 1 and 5 days to get a representative sample of the mob
- The unit can be moved quickly and easily from mob to mob

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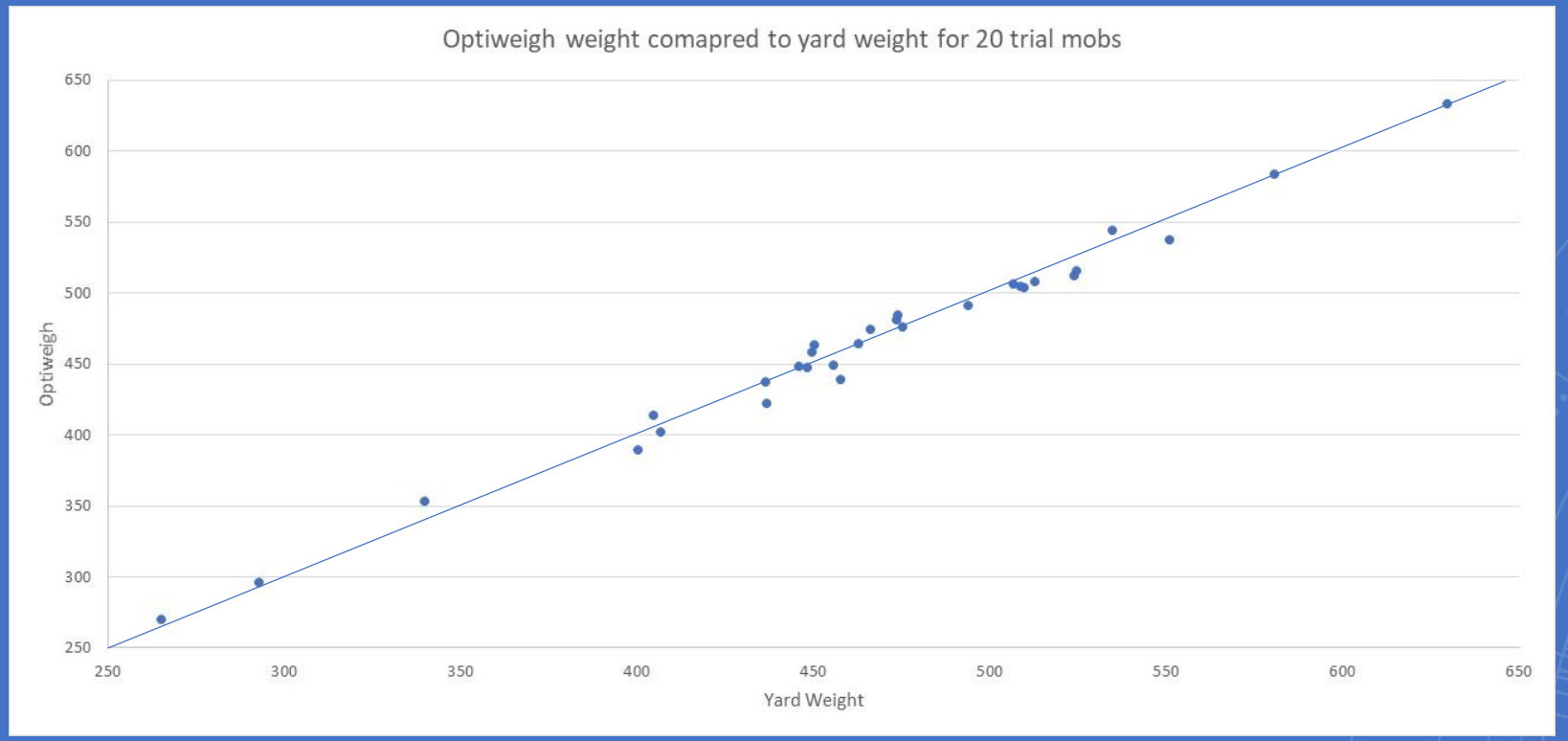
How accurate is it?

- Front feet to whole body weight correlation is very high
  - Established in USA 30 years ago
  - Validated by CSIRO for Optiweigh
- Repeated weighings over time make it more reliable than single point in time weighing



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How many get weighed?

- Proportion of the mob weighed averages 45% over a two week period – but there is a lot of variation – mostly depending on mob size

Mob Size	Percent Weighed
<50	75%
50-150	51%
>150	29%

- More important than percent of mob is the actual number weighed according to range of weights in the mob.

Range in weights (kg)	Number of records required for 10kg accuracy	Number of records required for 20kg accuracy
50	10	2
100	15	5
150	35	10
200	60	15
250	95	25
300	160	40

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- 31 Units across Australia deployed into the whole range of environments and enterprise types
  - Intensive grass systems in southern Australia
  - Northern pastoral areas
  - Feedlots
  - Dairies
- Product range includes
  - Base model – no connectivity, download data via USB
  - Standard – cellular connectivity, data via website, full support
  - Satellite – added Satellite modem for remote situations

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