



# THE LINCOLN HUB

GROWING WEALTH THROUGH LAND-BASED EXCELLENCE

SUBMISSION ON pCARP

# THE LINCOLN HUB

## FOUNDING PARTNERS



New Zealand's specialist land-based university







# THE LINCOLN HUB VISION

An integrated model of collaboration between industry, research and education that will transform the productivity and performance of New Zealand's primary sector and enhance sustainability outcomes.



# CROWN EXPECTATIONS

The Lincoln Hub is a Crown supported collaboration and expects to see scientific outcomes from the Hub partners that improves agriculture's impact on NZ – people & land

Lincoln Hub's functions and responsibilities are of national and regional significance



# RELEVANT FEATURES OF THE LINCOLN HUB

Initial investment of circa \$180M by Lincoln University and AgResearch in new research and teaching facilities

AgResearch moving Animal and Environmental Science research teams to Lincoln, in addition to its head office

Both institutions will undertake research programmes which will include;

- Nutrient management and losses within farm systems;
- Animal sciences – which involve intensive feeding systems

Housed farming systems will form an important component within this research.

Hence pCARP presents two major challenges:

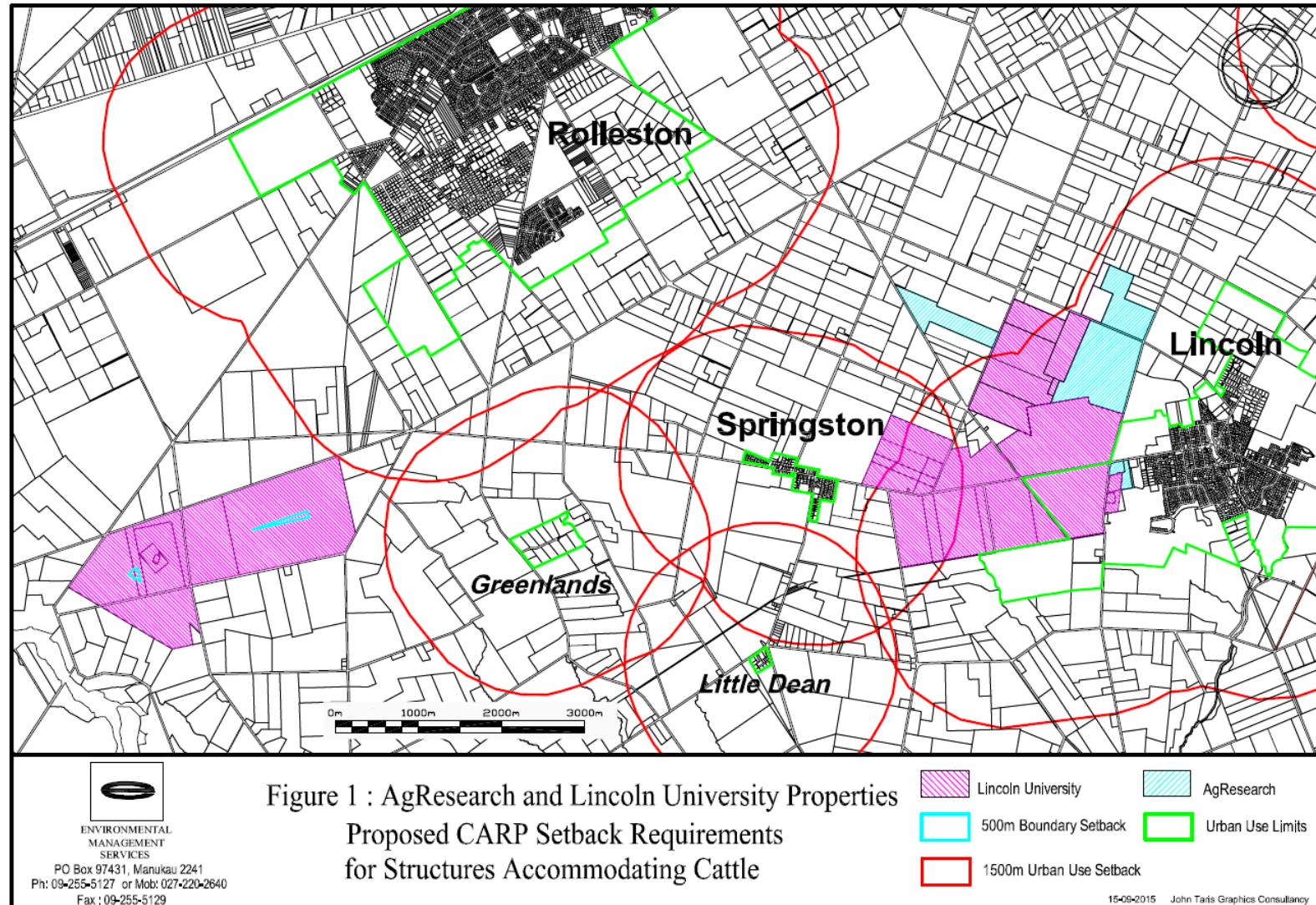
- excessive setbacks will significantly constrain housed facilities for research;
- constraints on the operation of housed animal facilities from proposed policy measures



# pCARP SETBACKS

- The large proposed setbacks effectively prevent discretionary construction of housed cattle facilities on the existing research farms owned by Lincoln University and AgResearch (refer map on following slide)
- Failure to have operational facilities at Lincoln, would likely see this research conducted out of the region
- AgResearch and Lincoln University note that we have circa 3,000 personnel working on our campuses – providing a compelling reason to ensure any odour discharges are well within acceptable limits

# Impact of proposed setbacks on Lincoln University and AgResearch





# pCARP Policy Measures

1. Lincoln University and AgResearch acknowledges - importance of managing odour around the (collection, storage and treatment of animal effluent)
  - pCARP => promote good management practices - Odour Management Plan as part of FEP
  - allow special cases: LU/Hub partnerships to carry out research that benefits all
2. Policy must be founded on rigorous and robust science
  - unconvinced of correlation between the pH & dissolved oxygen requirements
  - report provides no specific explanation or justification – PROOF?
  - proposed requirements for raw effluent pH & dissolved oxygen
  - adoption and success is built on using methods that work for all – farmers don't measure these – extra time, cost – is it effective?
  - What processes do we use on-farm currently that could be used to improve odour issue potential?
  - housed animals usually have bedding material on which they stand/loaf – there is no mention of how we manage these materials and their effect on odour



# A VIEW TO THE FUTURE

