



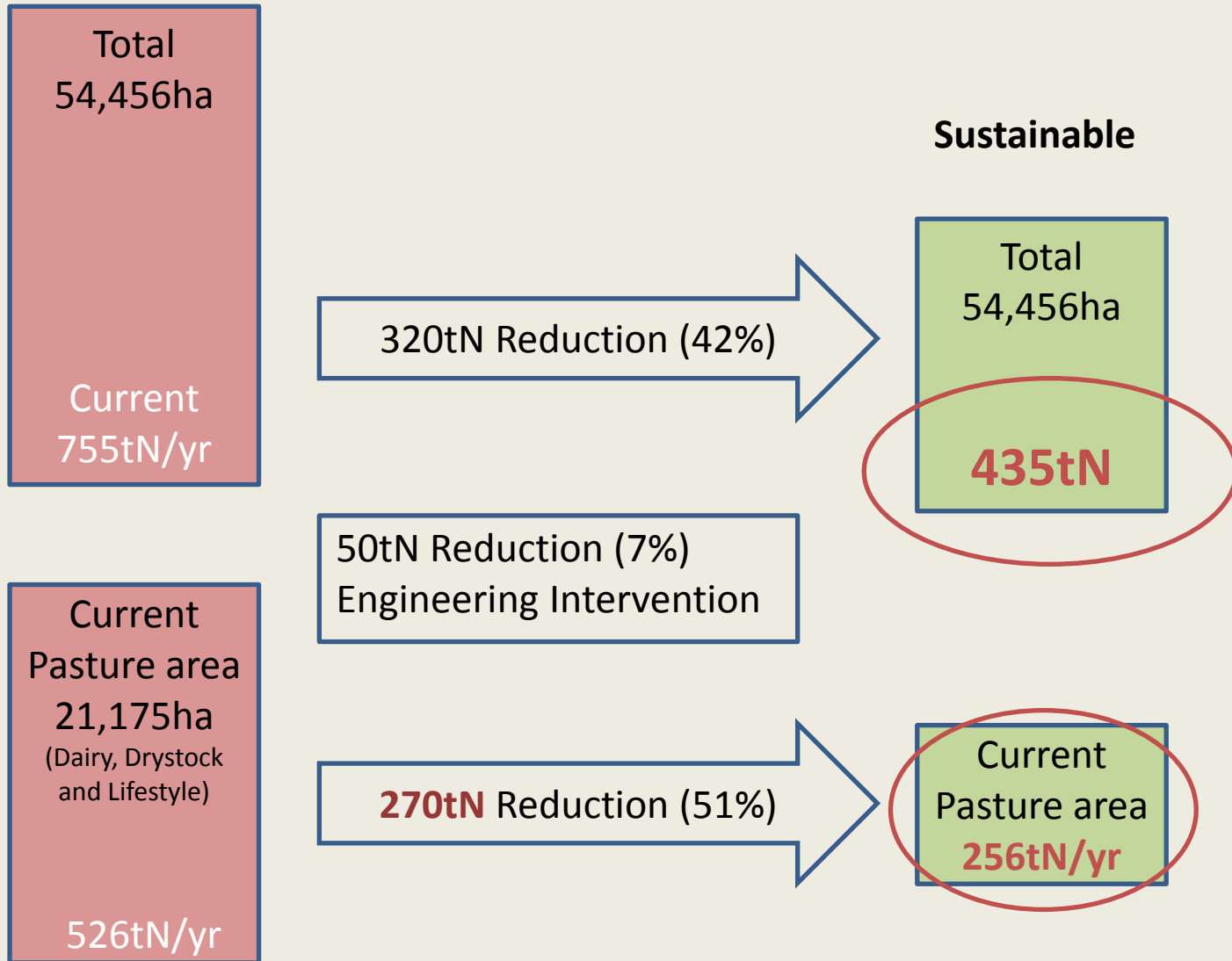
We need to think about allocation

Why we need to allocate?

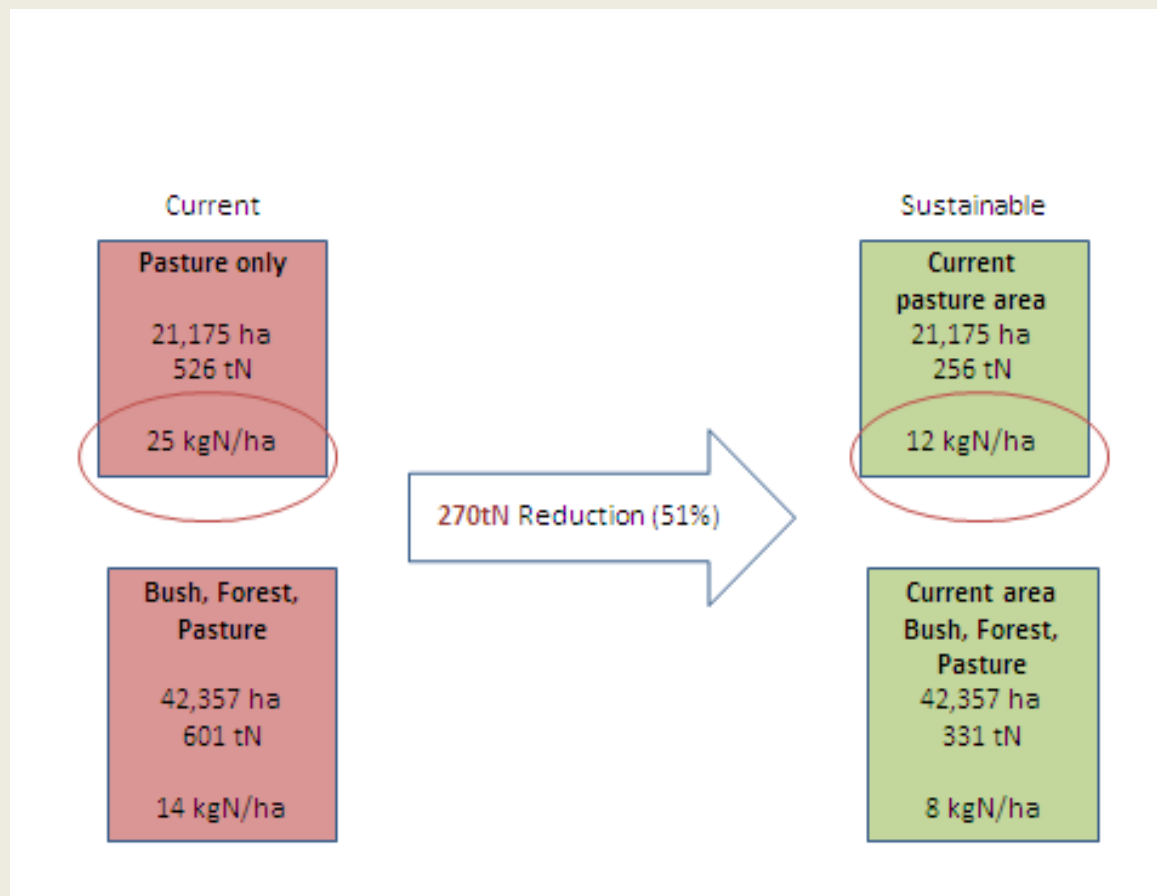
What are the options to allocate?

How allocation might look in Rotorua
catchment?

We have a Target = 435tN/y



Policy decision has to be made on what existing uses will qualify for allocation





We need to allocate 256tN across pastoral land

There will be challenges and opportunities

- Policy debate
- Tools available
- Scientific information
- Advances in mitigation
- Complexities of rule and incentives design

But the fundamental challenge of allocation remains



There are a number of options to allocate

- Grandparenting
- Averaging
- Land Use Capability or N Leaching vulnerability
- Outputs including profitability
- Variations / Hybrids / new

How could allocation options look in the Rotorua catchment?



Grandparenting is existing use at current discharge

Examples include Rule 11 (BoP) and Variation 5 (Waikato)

Grandparenting will not achieve the required reduction

Possible variation (Warren)

Averaging is 256 tonnes equally split over
the pastoral catchment of 21,175ha

*Averaging could mean rolling average over set
number of years to allow for variances in production,
climate and farming operations.*



Land Use Capability encourages land use at its natural carrying capacity

Land use capability is a classification of land according to its capability for long-term production.

	LUC Class	Arable cropping suitability†	Pastoral grazing suitability	Production forestry suitability	General suitability	
<i>Increasing limitations to use</i> ↓	1	High	High	High	Multiple use land	<i>Decreasing versatility of use</i> ↓
	2	↓ Low	↓ ↓	↓ ↓		
	3					
	4					
	5	Unsuitable			Low	
	6					
	7		Unsuitable	Unsuitable		
	8					



Horizons have adopted a Land Use Capability (LUC) method of allocation

	LUC 1	LUC 2	LUC 3	LUC 4	LUC 5	LUC 6	LUC 7	LUC 8
Year 1	32	29	22	16	13	10	6	2
Year 5	27	25	21	16	13	10	6	2
Year 10	26	22	19	14	13	10	6	2
Year 20	25	21	18	13	12	10	6	2

Each property has a unique and fixed mix of LUC classes

Is Land Use Capability based allocation relevant to the Rotorua Catchment?



Allocation Scenarios - Warren


They are just that.....*possible* scenarios

Purpose is to starting our thinking about how allocation could look in the Rotorua catchment

Next Steps.....

- Report back to Group on ideas, alternatives and preferred approaches
- Further information
- More worked examples

Next Month – Allocation Principles



eg. ROTAN = 21,175ha pasture

LUC database = 19,500ha pasture
(and what's in the 1136ha of Class 0 land?)

RDC database also at variance with
ROTAN / BOPRC database