



**Land Use and Water Quality Project**  
*A collaborative project between Environment Canterbury, primary sector and non-governmental organisations.*

Development of modelled scenarios

<b>Modelled Scenarios</b>				
<b>A</b>	<b>B</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Conservative modelled</b>	<b>1990-95 Hurunui water quality</b>	<b>Current</b>	<b>Business as usual</b>	<b>Extensive irrigation</b>
NRRP algal biomass objectives modelled conservatively through to nutrient concentrations	Use 1990-95 mainstem water quality as target concentration	Current land use as interpreted from Agribase and local information	Current land use maintained but general intensification along the lines of seen over previous 10 years	Area identified by Hurunui water project is irrigated.
Modelled land use with modelled concentrations to match target	Scale to tributaries and use N toxicity as target	Modelled and measured water quality in mainstem and tributaries	Modelled water quality in main stem and tributaries	Water source not identified and no new mitigations or policy framework
	Modelled land use as per A			Modelled WQ as per 2



