### Te Waihora/Lake Ellesmere

Catchment Land Use Stats & Trends



#### SELWYN DISTRICT

- 650,000 hectares
- Diverse Range of Environments Alpine to Coastal
- Farming dominant land use & economic driver
  - 28% economic output
  - 26.4% employment
- Fastest growing District in NZ
  - 4% growth 2001-2006
  - 3.9% growth June 2010 June 2011



Selwyn Population Growth 1996 - 2041 70,000 2041 - 63,000 60,000 Arthurs Pass 50,000 2011 - 41,100 40,000 Lake Coleridge Sheffield 30,000 Darfield 1996 – 25,000 Prebbleton 20,000 Lincoln 10,000 0 2011 2021 2031 2036 1996 2001 2006 2016 2019 2026 2041

#### Te Waihora Lake Ellesmere Catchment

Arthurs Pass

- 276,000 hectares
  - Banks Peninsula
  - Selwyn District and Christchurch City
- Malvern Hills, Alluvial Plains & Port Hills

Population

Large Proportion of District's Population

57% Live in Towns & Villages

Rolleston

37.7

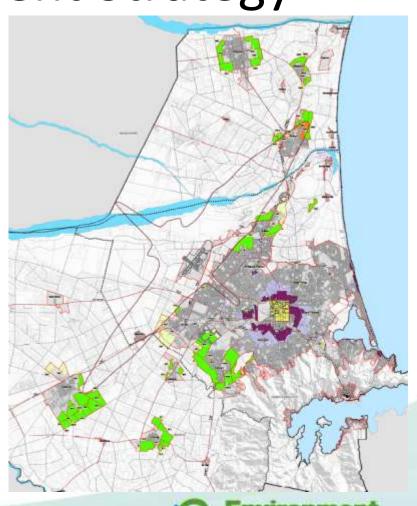




Population Growth in Selwyn Townships, 1991 - 2041 Arthurs Pass Darfield Leeston Lake Lincoln Sheffield Prebbleton Darfield Rolleston Leeston Source: Selwyn Growth Model 

### **Urban Development Strategy**

- Growth Management Strategy to consolidate future growth
- •Commenced mid 2003, approved June 2007
- •Non Statutory but in accord with LGA
- •On-going partnership between ECan, Christchurch City, Selwyn District, Waimakariri District and NZ Transport Agency.
- Implemented through ProposedChange 1 to RPS





### Proposed Change 1to RPS

Statutory, top-level regional RMA doc.

 Directive, specific objectives & policies with maps showing Urban Limits

 Provides for residential and business land for next 35 years for Greater Christchurch.



#### Proposed Change 1to RPS

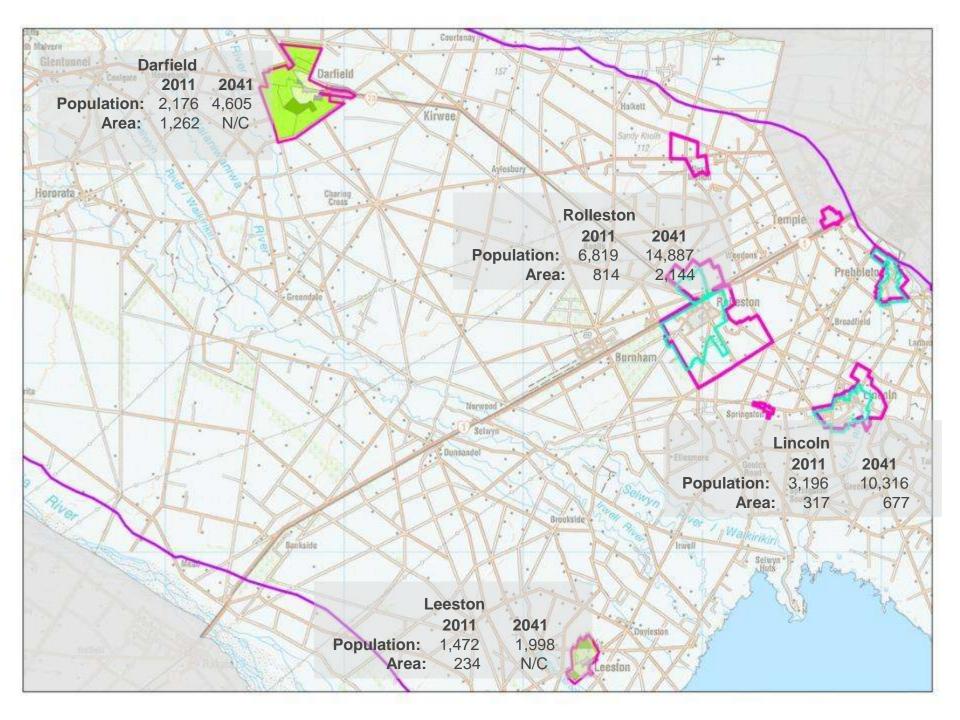
- Integrated land use, transport and infrastructure and consolidation as relevant post earthquakes as prior.
- Some 150,000 households in Greater
  Christchurch c.8,500 not to be rebuilt in Red Zones.
- Operative by use of CERA provisions 17 Oct 2011



#### **UDS Partners and CERA**

- Canterbury Earthquake Recovery Strategy
- Recovery Plans
- Housing Supply Interventions use of CERA provisions to speed up land supply.
- Maintain quality and design of urban land development
- Improve quality of infrastructure including stormwater and sewer.





## Urban Trends

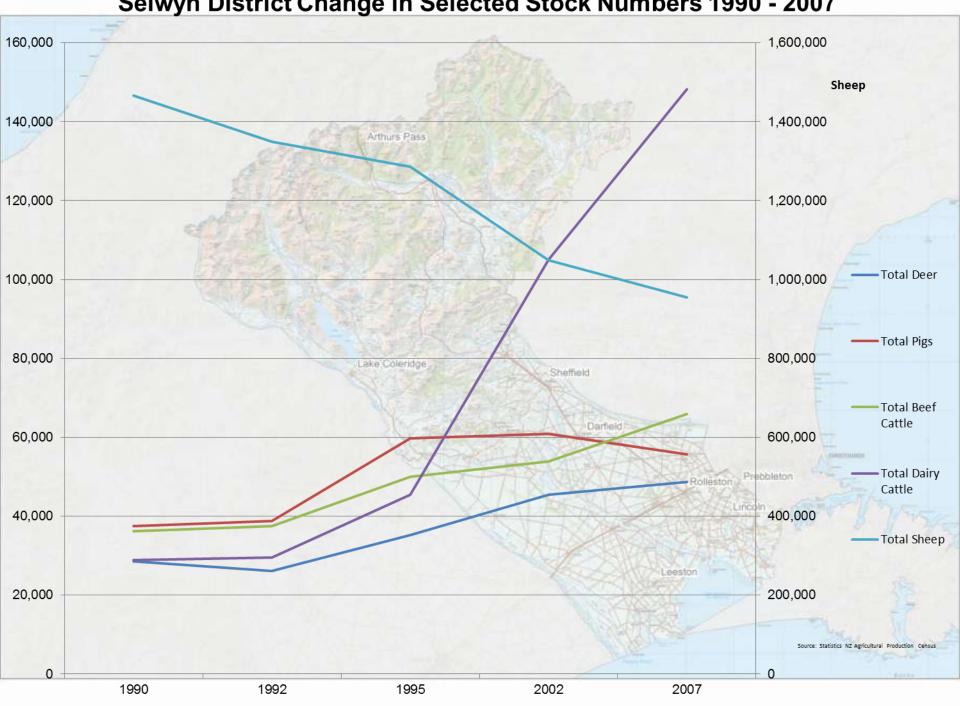
- Significant population increase; but
- Less urban sprawl/more urban consolidation
- More sustainable communities?
- Faster uptake of available land?
- Improved urban design?
- Improved sewerage and stormwater infrastructure



Selwyn District - Area of Productive Agricultural Land 440,000 430,000 Arthurs Pass 420,000 410,000 400,000 Lake Coleridge Sheffield Darfield 390,000 Prebbleton 380,000 370,000 360,000 1998 1995 1996 1997 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010

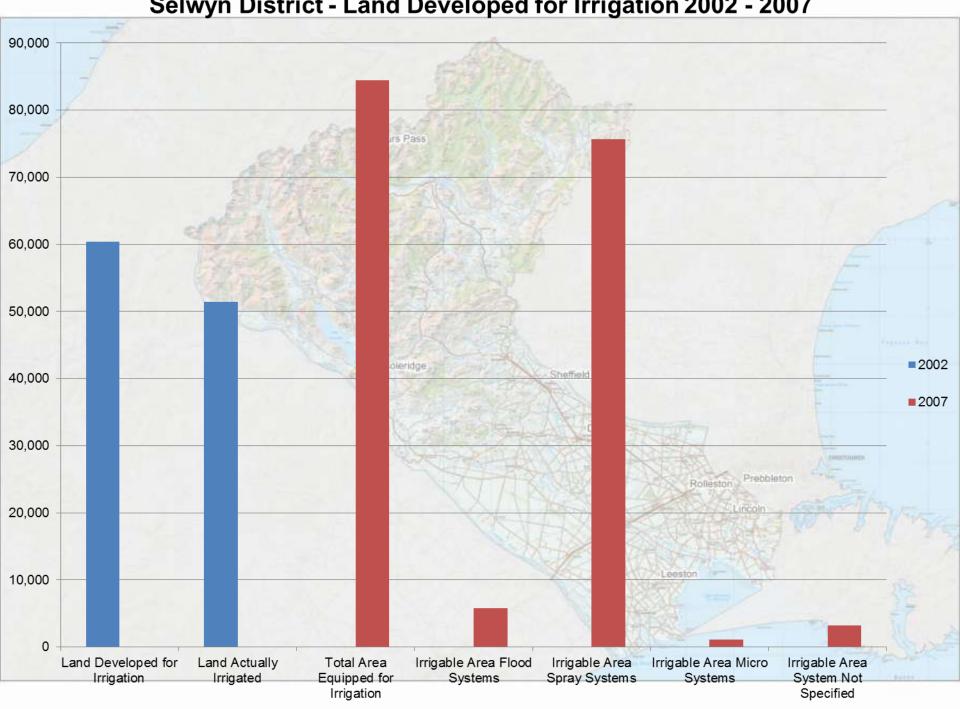
Selwyn District Rural Land Use Change 1995 - 2010 70,000 320,000 **Pastoral Land Use Change** 315,000 60,000 310,000 305,000 50,000 300,000 40,000 295,000 290,000 Sheffield 30,000 285,000 Darfield Horticulture 20,000 Rolleston 280,000 Arable Irrigated Lincoln Arable 275,000 Non-10,000 Irrigated Dairying 270,000 Pastoral 0 265,000 1995 2001 2009 2010 1997 1999 2003 2005 2007

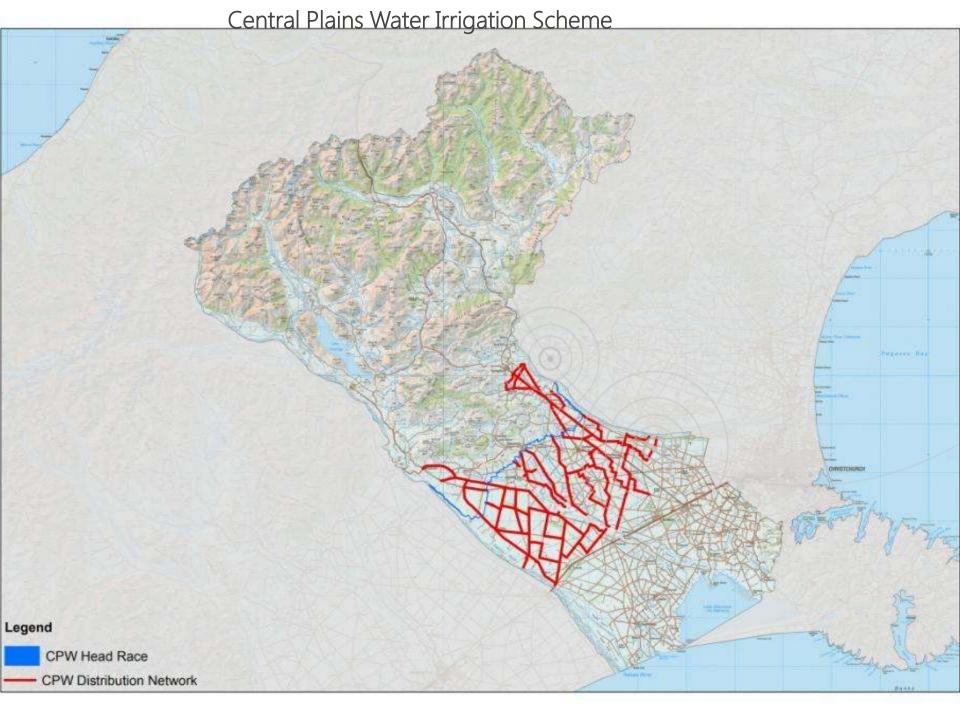
Selwyn District Change in Selected Stock Numbers 1990 - 2007



Selwyn District Area of Selected Arable Crops 2002 & 2007 10,000 9,000 8,000 7,000 6,000 5,000 Lake Coleridge Sheffield 2002 4,000 Darfield **2007** 3,000 2,000 1,000 Wheat Other Grains Field/Seed Peas Barley Oats

Selwyn District - Land Developed for Irrigation 2002 - 2007





# Rural Trends

- Continued shrinking of the arable sector and increased movement away from 'traditional' pasture based farming systems(PCE, 2004)
- Moving towards farming systems that rely to a greater extent on external resource inputs(PCE, 2004)
- 1995 2007 Decrease in land used for pastoral use and increase in land used for dairying over the same period (Stats NZ)
- Decline in NZ's manufacturing share —except in relation to primary food production (Infometrics Ltd, 2011)
- Favourable outlook for wool processing industry over next 10-15 yrs (Infometrics Ltd, 2011)
- Short to Medium term (25yrs) benefits for forestry industry due to ETS (Infometrics Ltd, 2011)

# References

- Statistics New Zealand Agricultural Production Census
- Environment Canterbury Rural Land Use Change in Canterbury 1995 2007
- Parliamentary Commissioner for the Environment Growing for Good:
  Intensive farming, sustainability and New Zealand's environment
- Infometrics Ltd Mega Trends: Global and National Trends Affecting Regional Prospects – May 2011
- Selwyn District Council Growth Model