



Industry &  
Investment

# Regional Overview

NSW Farmers Food & Fuel Forum:  
Getting the Balance Right

# Industry & Investment NSW

- NSW Department of Primary Industries now incorporated in I&I NSW
- New department brings together former
  - NSW DPI
  - Department of State & Regional Development
  - Department of Water & Energy (Energy)
  - NSW Tourism
  - Rural Assistance Authority
  - Mine Subsidence Board
  - Coal Compensation Board
  - Game Council
  - NSW Food Authority
  - Screen NSW

# Our Vision

- Profitable, adaptive and sustainable primary industries building vibrant communities



# The importance of Primary Industry production & employment in the NSW economy

- GV of production, primary industries, 2005-06 (\$ million)

Sector	Output (GVP)	Multiplier	Extended total
Agriculture	8,748	2.178	19,053
Comm.Fishing	154	2.485	383
Forestry	343	2.485	852
Mining	11,777	2.136	25,156
<b>Total</b>	<b>21,022</b>		<b>45,444</b>

# A regional perspective

- Industry & Investment NSW contribute to North West regional development through our research, advisory, compliance and natural resource assessment activities. Some of our activities may be grouped under the following resource management areas:
  - Productivity & food security
  - Water
  - Resource assessment
  - Biosecurity
  - Climate Change

# Productivity & Food Security



- Breeding programs – durum, lucerne, faba and soy beans
- Working on yield and adaptation to changing climate
- Quality to protect overseas markets
- Farming systems – focus on increased productivity and conservation
- Functional foods development

# Water

- Improve irrigation technologies & management
- Identify crop and pasture traits to maintain and improve yields when water limiting
- Investigate genetic variations in crop and pasture
- Better integrate crop & pasture systems to utilise water

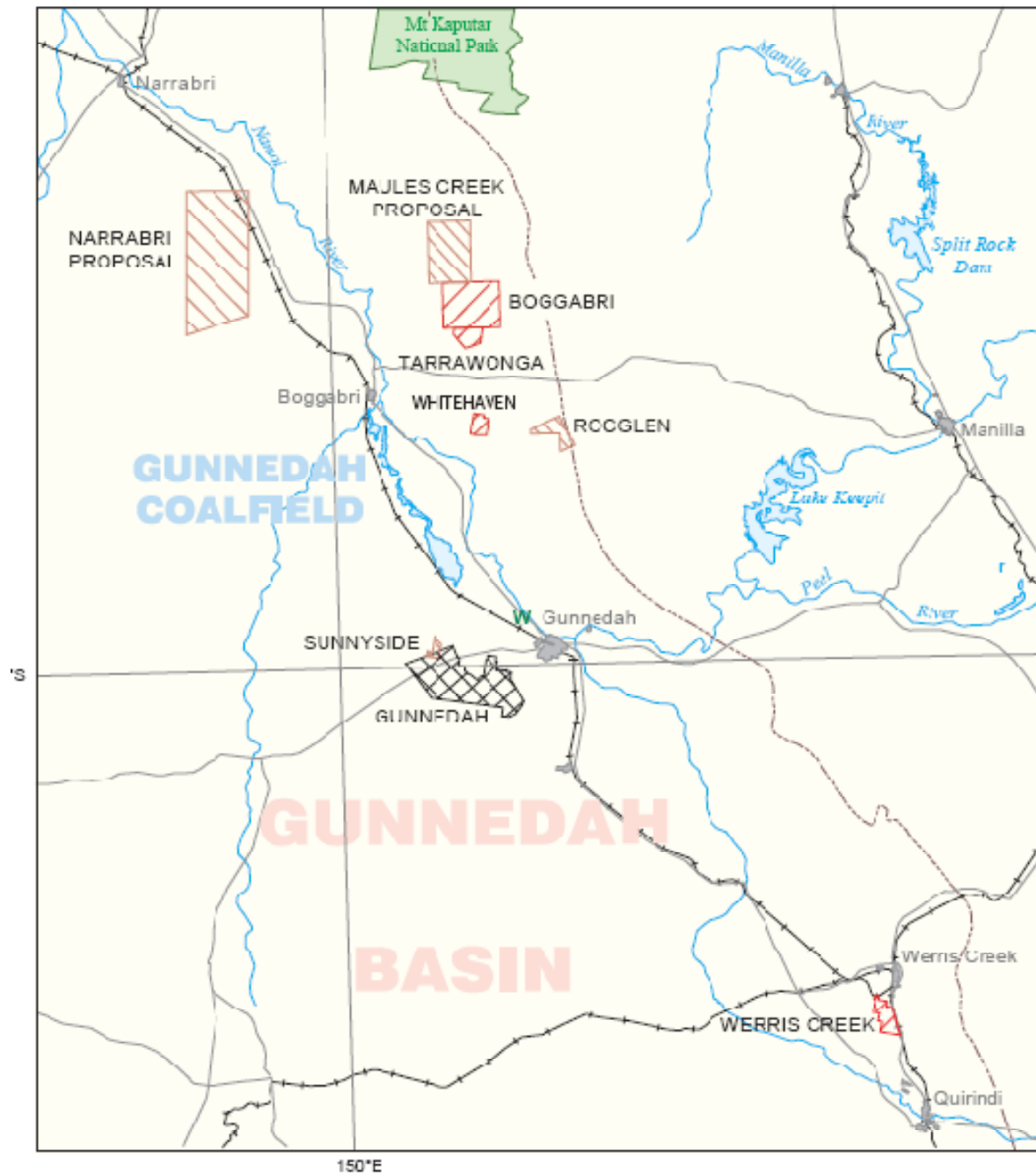


# Resource Assessment











- Undertake survey, seismic and aerial investigations to assess resources of the region:
  - Coal, Gas, Gems, Metals, petroleum and precious earths
- Undertake research and predictive modelling to assess resource conditions to identify markers and measures for resource conditions.
- Provide resource assessment advice to councils industry and community regarding intensive livestock developments and specialist industry establishment eg: aquaculture and hydroponics.

# Coal Perspective

- Gunnedah Basin has 7 operating coal mines: Boggabri, Narrabri North, Rocglen, Sunnyside, Tarawonga, Werris Creek and Whitehaven (Canyon)
- Three major exploration areas: Maules Creek, Caroonna and Watermark



**REFERENCE**

-  Opencut mine
-  Proposed opencut mine
-  Proposed underground mine
-  Care and maintenance
-  Coalfield boundary
-  Sedimentary basin boundary
-  Railway
-  Road
-  Waterway, lake
-  Whitehaven coal washery



# Biosecurity

- Preparedness – surveillance and response
- Pathology
- Entomology
- Weeds
- Extension & training



# Climate Change

- Work being done in the NW region include:



Methane reduction and feed efficiency of livestock

NO<sub>2</sub> emission assessment & capture in cropping systems.

Evaluation of technologies for the conversion of biomass to bioenergy

- National Centre for Rural Greenhouse Research
- Primary Industries Innovation Centre