

## Mid North and Yorke Peninsula

The region has a diverse industry structure, which has grown from a primary production base. Its natural and heritage assets offer potential for growth in tourism. Key infrastructure issues are ensuring transport access and water reliability to support social and economic development throughout the region.



### At a glance

<b>Area</b>	33,009 km <sup>2</sup> (3.36% of SA)
<b>Population</b>	54,902 in 2001 (3.74% of SA)
<b>Aged &lt; 15</b>	20.72% against SA average of 19.57%
<b>Aged &gt; 65</b>	18.80% against SA average of 14.40%
<b>Demographic trends</b>	2016 projection: 54,386 or 3.41% of SA Down 0.94% from 2001
<b>Natural Resources</b>	Coastal and marine resources, diversity of mineral reserves, areas dedicated to national and conservation parks, arable land
<b>Key Industries</b>	Agriculture, wine, manufacturing, tourism, aquaculture and fishing, mining
<b>Sea ports</b>	Export ports at Ardrossan, Port Giles, Klein Point, Wallaroo

## Principal Industries

### Agriculture

The region produces grain (high protein wheat, malting barley), livestock (cattle feedlotting and fine wool), grapes, wine and vegetables. The viticulture and wine industry is worth \$159 million p.a. and expected to grow to \$250 million p.a. over the next few years.

An increasing number of value-adding manufacturing ventures are located near Port Wakefield including agricultural machinery and equipment, transport equipment, poultry processing and food processing businesses. Hay processing has grown at Bowmans, with opportunities to further develop food processing for export.

Primo Abattoir is a high-technology export pig processing facility operating outside of Port Wakefield, with further expansion planned to meet growth in export livestock production of 250,000 pigs p.a.

There are poultry production sheds in Robertstown, Eudunda, Burra, Owen, Port Wakefield and Riverton, and near Hamley Bridge. Several companies have plans for significant expansions and dairy production has been expanding near Burra from a small base. New feed pellet facilities will be required to support these industries.

### Aquaculture and Fishing

The fishing industry (based on western king prawn, southern rock lobster and blue crab) is worth over \$30 million in annual sales.

Yorke Peninsula has 48 aquaculture operators, with potential for additional operations. There are 35 oyster leases on Yorke Peninsula and nine trial sites on land.

The State Government has contributed to the upgrade of Port Broughton Boat Harbour.

### Tourism

The region features natural and built attractions including the wine industry, heritage sites, local produce, extensive coastline, numerous conservation parks and a wide variety of recreational opportunities from diving to hiking, all within close proximity of Adelaide.

The Mid North has mine heritage sites at Burra and includes the export-oriented Clare Valley region with its world-famous vineyards and wineries. Yorke Peninsula offers ample opportunity to experience its rich agricultural, mining and Cornish heritage as well as some of the country's premier surf beaches and national parks.

Domestic overnight visitors to the region in 2003 totalled 1.3 million people and estimated spending was \$104 million. Domestic day-trip visitors to the region in 2000 totalled 843,000 people, spending \$66 million.

The region has potential to expand tourism activity.

### Mining

There are magnesite deposits west of the ranges around Beetaloo and Laura, some diamond exploration activity around Oodla Wirra and Craddock, gold exploration activity on Yorke Peninsula and a significant copper-gold resource has been discovered near Olary, east of Peterborough.

Salt for human consumption is produced at Price and Lochiel, with gypsum mined near Everard Central and at Stenhouse Bay. Sand is harvested on Yorke Peninsula. Adelaide Brighton Cement moves about 1.5 million tonnes of limestone from Klein Point to Port Adelaide by sea annually.

The total value of mineral production and processing for the region in 2002/03 was \$57 million.

## Infrastructure

### Energy



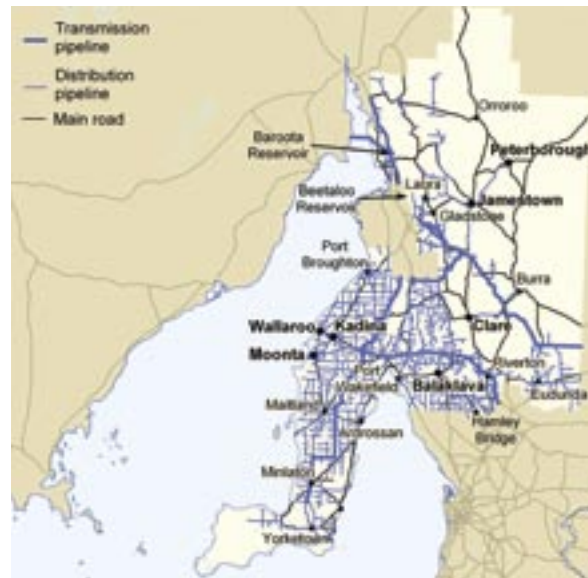
Electricity for the Yorke Region is supplied via the Hummocks sub-station north-west of Port Wakefield. A 132 Kv transmission line runs to the Ardrossan West sub-station, which serves most of the Peninsula.

There are currently six wind farms approved in the region, located from Wattle Point to Barunga, totalling approximately 560 MW. Several other wind farms are proposed, including large farms (up to 320 MW) in the Goyder and Northern Region local government districts.

The gas-fired electricity plant at Hallett is to be expanded to 430 MW.

Gas is available in the Peterborough and Burra districts, but is not reticulated in other parts of the region – although a pipeline passes through the Mid North.

### Water



Water availability and quality is a critical issue throughout the region.

Northern Yorke Peninsula is dependent on water from the River Murray, while the south relies on aquifer and rainwater supplies.

Most pipes in the region were laid prior to the 1960s to service small townships and agricultural areas. More recent coastal tourism and residential development, especially retirement and holiday homes, will test the system's peak capacity.

Additional reticulated water is required to support recent residential and industrial developments planned for Balaklava, re-zoning of the Bowmans industrial site, Port Wakefield township expansion, poultry industry expansion and Primo Abattoirs expansion. Some upgrade works have already been undertaken.

The Clare water scheme has been designed to serve the Clare district (residential and industrial uses), provide irrigation water for the Clare wine industry and provide additional water to Yorke Peninsula. While there is still capacity for residential and industrial growth, it is possible new irrigation water may need to be provided for any significant growth in irrigation use.

SA Water has spare capacity in main trunk lines during off-peak periods which can be used for bulk water transport to support economic development. The Bundaleer and Beetaloo reservoirs could be used for storage and distribution of off-peak water.

The District Council of Copper Coast is recycling stormwater and anticipates that by 2005, the majority will be recycled for use on parklands and golf courses in Kadina. New residential estates are being developed to capitalise on the growing attraction of the Northern Yorke Peninsula for retirement and second homes.

Major towns in the region are serviced by septic tank effluent disposal schemes (STEDS). The Central Local Government Association (CLGA) is undertaking a research project to identify ways to finance, redevelop and manage STEDS in the region.

Residential growth in some areas, particularly within parts of the Clare Valley, gives rise to the need to assess the requirement to protect underground water supplies.

New town expansion and coastal developments should be connected to STEDS or, where appropriate, incorporate onsite effluent disposal systems.

**Transport**



Primary industries (both agriculture and mining) are generators of most heavy vehicle movements. The increased use of roads by farm produce and bulk grain vehicles is placing significant demands on the road network. Increased safety and efficiency could be achieved by improving east – west routes, such as those connecting Snowtown, Blyth and Brinkworth.

Wallaroo and Port Giles are primary grain export facilities for the state and are projected to increase exports by 10% by 2013.

The standard-gauge mainline railway line from Adelaide to Perth/Darwin passes through the region. The intermodal container facility at Bowmans has access to the standard-gauge rail network. The development of abattoir, hay, grain and other processing activities near Bowmans/Port Wakefield is expected to generate more freight activity on local roads and the mainline rail network.

The national highway and rail routes meet in the region. Vehicles from the Barrier Highway, Sturt Highway and the Dukes Highway cross through the region to reach Highway One. The Barrier Highway is the primary freight route from New South Wales to Adelaide. Port Wakefield Road provides a major highway connection from Yorke Peninsula, south to Adelaide and north towards Western Australia and the Northern Territory.

As traffic volumes increase a bypass at Port Wakefield would improve safety, amenity and efficiency, particularly during holiday periods.

Upgrading of the Bower Boundary Road may be required if the Robertstown intensive animal precinct is developed.

There are numerous road freight companies in the area, mainly servicing the grains industry. Bulk grain handling facilities are located in the region, e.g. Gladstone and the deepwater ports of Port Giles and Wallaroo, which receive regular shipping services for collection and export of grain.

### Land

The region is increasing in its appeal and opportunities for residential and lifestyle accommodation. However, salinity and declining water quality in the region are impacting on agricultural production, biodiversity conservation and infrastructure.

There is a need to identify quality serviced industrial land to support industry growth throughout the region.

Industrial zones have been established adjacent to the townships of Kadina and Moonta to ensure an adequate supply of industrial land within the district. A general industry zone in Kadina is suitable for a range of light industries, while the industrial zone in Moonta accommodates a wide range of uses.

There is insufficient serviced industrial land in the Clare district to support industries allied to the wine and agriculture industries. Suitable sites at Clare, Blyth and Riverton could be developed.

### Information and Communications Technology (ICT)



Most of the region has dial-up internet access; however, ADSL broadband access is only available in a few of the larger towns. The Broadbanding Yorke Peninsula Project will provide much improved broadband coverage and lower cost telephone services in southern Yorke Peninsula.

Most of the region is serviced by mobile communications but there are gaps in coverage in some sparsely populated areas and on some secondary roads.

**Health**

There are 19 health services in the region, located at Port Broughton, Ardrossan, Balaklava, Maitland, Minlaton, Moonta, Wallaroo, Riverton, Jamestown, Orroroo, Peterborough, Laura (Rocky River), Burra, Clare, Eudunda, Snowtown, Hamley Bridge, Yorketown and Booleroo Centre.

The significant numbers of early retired and aged persons in the region is a major issue for the provision of health services.

There are some access difficulties to local and metropolitan health facilities due to limited public and community transport.

**Housing**

Land values throughout the region, especially on Yorke Peninsula and around Clare, are rising as a result of interest from retirees and people seeking a different pace of life. This has seen an increase in housing, if not permanent residents, in residential developments at Port Vincent marina, Black Point, Wallaroo marina, Moonta and Marion Bay. Holiday homes held by absentee owners are increasingly becoming permanent retirement homes in many towns.

Expansion of Primo by another 200 full time employees (FTE) to 500 people over the next two years and new poultry facilities will increase the demand on housing.

**Education and Training**



A network of educational facilities including TAFE Regional Institute campuses in Kadina, Yorketown and Narungga (at Point Pearce / Maitland) serves the Yorke Peninsula. The Mid North has three TAFE campuses located at Clare, Jamestown and Peterborough. There is training in the areas of tourism and hospitality, primary industry value-adding and aquaculture, as well as the aged care and retirement industries.

TAFE courses are available through distance education.

The demand for childcare facilities in the region has increased.

**Waste Management**

Many of the towns in the region are facing the renewal of solid waste disposal licences. The Central Region Local Government Association is developing a Mid North/Southern Flinders regional waste management strategy, including the potential for a new central solid waste disposal site.

The District Council of Copper Coast has a solid waste recycling system and separation plant, which it operates as a joint venture with the private sector.

Composting sites are required for the processing of waste from intensive animal farming and other agricultural sources.

## Projects

Project	Priority #	2005/6– 2009/10	2010/11– 2014/15	SASP Targets
<b>Energy</b>				
<b>Electricity supply</b>				
■ Increase the generation capacity of Hallett Power station from 180 MW to 430 MW	1	*		5.11
■ Upgrade sub-stations to improve reliability of supply	U/way	*		5.11
<b>* Lead – private sector</b>				
<b>Wind farm developments</b>				
■ Support the development of licensed wind power generators	2	*		3.10
■ Identify commercial desalination opportunities from the wind farms	2	*	*	5.11
<b>Lead – private sector</b>				
<b>Extension of gas distribution network</b>				
■ Identify potential demand for gas to support economic development in Port Wakefield, Burra and Clare	3	*	*	5.11
<b>Lead – private sector</b>				
<b>Water</b>				
<b>Water main capacity</b>				
■ Construct and augment Balaklava/Bowmans/Port Wakefield water main to support growth in residential and industrial demand	2	*	*	1.6
<b>Lead – State Government</b>				
<b>Infrastructure upgrade for Yorke Peninsula</b>				
■ Augment water supplies on Yorke Peninsula to support residential development	2	*		5.11
<b>Lead – private sector, local government, State Government</b>				
<b>Additional irrigation water for Clare and other centres</b>				
■ Identify new supply sources	3	*	*	1.6
■ Identify off-peak storage opportunities including aquifer storage and recovery techniques or use of Baroota Reservoir	3	*	*	1.6
<b>Lead – State Government</b>				

\* Lead – lead responsibility for promoting, developing and evaluating the project.

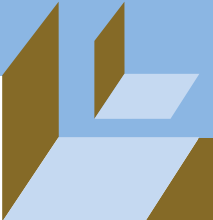
# Priority – preliminary rankings. Priority numbers do not represent a final commitment by the State Government or other lead entities. See the Delivering the Plan section for further details.

## Projects

Project	Priority	2005/6– 2009/10	2010/11– 2014/15	SASP Targets
<b>Transport</b>				
<b>Road amenity at Port Wakefield</b>				
<ul style="list-style-type: none"> <li>Establish Port Wakefield bypass</li> </ul> <b>Lead – Australian Government</b>	2		*	2.9
<b>Growth in freight on road network</b>				
<ul style="list-style-type: none"> <li>Continue to give priority to maintenance of the east coast road on Yorke Peninsula</li> </ul> <b>Lead – State Government</b>	2	*	*	1.5
<ul style="list-style-type: none"> <li>Develop a strategic needs analysis for a bypass at Clare, considering the needs of Balaklava and Blyth</li> </ul> <b>Lead – local government</b>	3	*		1.5
<b>Land</b>				
<b>Infrastructure for expansion of intensive animal keeping</b>				
<ul style="list-style-type: none"> <li>Investigate the spatial and infrastructure requirements to support the expansion of intensive animal keeping and processing (poultry and pigs) at various locations throughout the region</li> </ul> <b>Lead – State Government</b>	U/way	*		1.6
<b>Provision of industrial land</b>				
<ul style="list-style-type: none"> <li>Develop industrial estates in Blyth, north of Clare and other regional centres to support the wine and agriculture industries</li> </ul> <b>Lead – local government</b>	2	*	*	1.6
<b>Tourism facilities</b>				
<ul style="list-style-type: none"> <li>Develop accommodation and recreational facilities to cater for increased tourist demand</li> </ul> <b>Lead – private sector</b>	2	*	*	1.6
<b>Information and Communication Technology (ICT)</b>				
<b>Access to broadband</b>				
<ul style="list-style-type: none"> <li>Improve telecommunications to southern Yorke Peninsula through 'Connecting Yorke Peninsula' project</li> </ul>	U/way	*		4.7
<ul style="list-style-type: none"> <li>Encourage towns to aggregate demand and develop a business case to support installation of broadband</li> </ul> <b>Lead – private sector</b>	2	*		4.7
<b>Health</b>				
<b>Primary health care centres</b>				
<ul style="list-style-type: none"> <li>Continue to upgrade hospital facilities to support the co-located delivery of primary health care services including general practice, allied health, mental health and Aboriginal health programs</li> </ul> <b>Lead – State Government, private sector</b>	2	*	*	2.2
<b>Aged care facilities</b>				
<ul style="list-style-type: none"> <li>Provide more aged care and residential facilities and services to meet the increased number of retirees moving to the region</li> </ul> <b>Lead – private sector, Australian Government</b>	2	*	*	2.2



Project	Priority	2005/6– 2009/10	2010/11– 2014/15	SASP Targets
<b>Education and Training</b>				
<b>Utilisation of school assets</b>				
■ Rejuvenate local schools to support improved utilisation and integration of services	U/way	*		6.14
■ Undertake planned capital works at Booleroo Centre school and Peterborough preschool	U/way	*		6.14
<b>Lead – State Government</b>				
<b>Vocational education and training</b>				
■ Replace TAFE facilities at Narrunga	U/way	*		6.15
■ Ensure that future infrastructure requirements of TAFE, including ICT, support the expected growth in the primary and allied industries	2	*	*	6.17
<b>Lead – State Government</b>				
<b>Availability of child care facilities</b>				
■ Expand the capacity of childcare facilities	2	*		5.8
<b>Lead – private sector</b>				
<b>Housing</b>				
<b>Availability of workforce accommodation</b>				
■ Provide affordable housing for seasonal workers in the required areas	2	*		5.8
<b>Lead – private sector</b>				
<b>Waste Management</b>				
<b>Upgrade solid waste disposal facilities</b>				
■ Develop a composting site for waste management for the intensive animal keeping industry	2	*		3.11
■ Develop a regional waste management strategy including potential for a new central disposal site	3	*		3.11
<b>Lead – local government</b>				



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