

## 1

**INTRODUCTION**

This volume includes:

- responses to submissions to the draft EIS on social and cultural impacts
- refinements to project design, workforce forecasts and accommodation options
- input from consultation during the draft EIS display
- forecast changes to social impacts and benefits
- discussion of the social impacts and benefits of associated water strategy options
- refinements to mitigations.

It updates draft EIS *Volume 8, Chapters 4, 5, 6, 7* (Social Impacts) and *Chapter 9* (Cultural Heritage Impacts). There were no submissions or further information available on draft EIS *Volume 8, Chapter 10* (Economic Impacts). Appendices to this document include:

- Cultural Heritage Supplementary Study.
- North Burnett Community Profile.
- Gladstone Harbour Boating Survey.

Four social studies were current at the time of writing this Volume. They include:

- an Integrated Housing Strategy to address project impacts on housing availability and affordability
- a Social Infrastructure Partnership process, to identify partners and projects for mitigation of social infrastructure impacts in the Western Downs and Gladstone LGAs
- a Rural Health Partnership process, to identify strengths, weaknesses and partnership and investment opportunities in the Western Downs
- a Traffic and Transport Mitigation Partnership in the Western Downs, with a similar project to begin in Gladstone shortly, and development of a marine recreation partnership in early stages.

These studies are informing the development of a draft Social Impact Management Plan ('draft SIMP' attached as *Appendix 8.4*). Consultation with key stakeholders on the draft SIMP will be undertaken February - April 2010, and will include the social studies noted above, to finalise the SIMP prior to approval of the EIS.

## **2** *STUDY AREA AND METHODOLOGY FOR SUPPLEMENTARY SIA*

### **2.1** *STUDY AREA*

There have been no changes to the project area as a whole. Locations and issues which have been addressed in further detail in response to submissions include:

- rural residential areas in the Western Downs area (*Chapter 4*)
- locations for CSG processing and compression facilities (*Chapter 4*)
- selection of Option 2 for the pipeline (*Chapter 5*)
- The Narrows and marine recreation issues (*Chapter 6*).

More detailed analysis has been undertaken in respect to the following aspects discussed in *Chapters 4, 5 and 6*:

- social constraints in the gas fields area
- a profile of North Burnett communities
- profiles of social values in the Narrows area and boating uses in Gladstone Harbour and The Narrows.

## 3

**METHODOLOGY**

Preparation of the Supplementary SIA included the following steps:

- review of submissions to the draft EIS, and consideration of social and cultural impacts and benefits addressed by submissions
- consideration of other consultation during the draft EIS display
- assessment of refinements and detailing of the project design
- additional studies to inform ongoing assessment and mitigation
- social constraints mapping in relation to potential locations for major facilities in the gas field area
- cultural heritage significance assessment
- consultation to inform development of mitigation strategies
- updating the significance analysis to reflect submission input and changes to social impacts and benefits
- further development of mitigation strategies.

These are discussed below.

## 3.1

**REVIEW OF SUBMISSIONS**

Twenty of the forty one submissions to the draft EIS addressed social and cultural issues. *Table 8.3.1* lists the stakeholders addressing social issues, and *Table 8.3.2* summarises issues raised and where they are discussed in the Supplementary EIS.

**Table 8.3.1 Submitters on Social and Cultural Issues**

Group	Submitter
Traditional Owners	<ul style="list-style-type: none"> <li>• Gangulu Senior Person</li> <li>• Port Curtis Coral Coast Traditional Owners Group</li> </ul>
Queensland Government	<ul style="list-style-type: none"> <li>• Department of Environment and Resource Management – Cultural Heritage Unit</li> <li>• Queensland Health</li> <li>• Queensland Police Service</li> </ul>
Local Governments	<ul style="list-style-type: none"> <li>• Western Downs Regional Council</li> <li>• Toowoomba Regional Council</li> <li>• Gladstone Regional Council</li> </ul>
Residents	<ul style="list-style-type: none"> <li>• Four residents in the Western Downs LGA</li> <li>• Three residents in the Gladstone Region LGA</li> </ul>
Other stakeholders	<ul style="list-style-type: none"> <li>• Waminda Services</li> <li>• Australian Seafood Industry Association</li> <li>• Surat Basin Homes</li> <li>• MAC Services</li> <li>• Santos</li> </ul>

Two submissions were received from Traditional Owners (Gangulu and Port Curtis Coral Coast). Eight traditional owner groups are currently involved in consultation with QGC regarding Indigenous Land Use Agreements and CHMPS. Many of the issues raised in submissions by PCCC and Gangulu were common to other Traditional Owner groups. As such, key issues have been considered throughout in the context of all Traditional Owner groups and Indigenous communities.

*Table 8.3.2* summarises issues raised and where they are discussed in the Supplementary EIS. *Chapters 4, 5, 6 and 7* detail the issues and responses to issues raised. A summary of all EIS submissions is provided *Volume 2, Appendix 2.1*.

**Table 8.3.2 Social and Cultural Issues - Responses**

<b>Key Issues</b>	<b>Supplementary EIS Chapter</b>
Acknowledgement by QGC of the TO groups as first people.	<i>Volume 1, Chapter 1</i>
Local labour market - gas fields area	<i>Volume 8, Chapter 4</i>
Housing impacts and housing production - gas fields area	
Gangalu People's issues (participation, employment and other issues)	
Potential for people to settle in Toowoomba and impact on social infrastructure	
Potential for bushfires	
Lack of certainty regarding location of gas production and processing facilities	
Wells and production in rural residential areas	
Opposition to wells in rural residential areas	
Employment of people with disabilities	
Health impact assessment of CSG water	
Demand on health infrastructure and services	
Affordable housing and social infrastructure - gasfields	
PCCC Issues (cultural heritage, involvement and other issues)	<i>Volume 8, Chapter 6</i>
Labour availability - Gladstone	
Island camp location and economic benefits of mainland camps	<i>Volume 8, Chapter 4</i>
Housing impacts	
Impact on recreational facilities and values at Laird Point (cumulative impact)	
Impacts on Gladstone Harbour use	
Impacts on recreational and commercial fishing	
Loss of access to Targinnie creek	
Social and health infrastructure - Gladstone	
Indigenous social and economic impact issues	<i>Volume 8, Chapter 6</i>
Cultural heritage	<i>Volume 8, Chapter 8</i>

<b>Key Issues</b>	<b>Supplementary EIS Chapter</b>
Gas migration & Chemical exposure	<i>Volume 3, Chapter 17</i>
Noise from wells and facilities	<i>Volume 3, Chapter 13</i>
Safety issues - gas fields area	<i>Volume 3, Chapter 17</i>
Road safety	<i>Volume 3, Chapter 14</i> <i>Volume 4, Chapter 13</i> <i>Volume 5, Chapter 14</i>

### 3.2

#### **CONSULTATION UNDERTAKEN TO INFORM SUPPLEMENTARY SIA**

Consultation to inform the supplementary SIA included:

- participation of social impact team members in community information sessions, (results of these sessions are outlined in *Volume 12*)
- consultation meetings with key social infrastructure providers in Gladstone, the Western Downs and Toowoomba areas (as summarised in *Chapters 4 and 6*)
- consultation meetings with Gladstone Regional Council, Western Downs Regional Council and Toowoomba Regional Council, (referred to in *Chapters 4 and 6*)
- consultation with real estate agents to update the housing baseline data in Gladstone (as summarised in *Chapter 6*)
- consultation meetings with marine recreation and commercial fishing stakeholders (as summarised in *Chapter 6*)
- consultation with rural residential land holders, which is ongoing.

Consultation is also integral to the ongoing studies described below.

### 3.3

#### **ADDITIONAL STUDIES**

The following additional studies were undertaken to inform development of the Supplementary SIA:

- social constraints mapping to inform locations and mitigations for the gas fields major facilities
- social profiling and indicative assessment of Narrows Crossing options, including consultation with boating stakeholders
- a survey by Central Queensland University of boating uses, including recreational and commercial fishing, boating and crabbing activity in the Narrows, Targinnie-Hump creek system and adjacent harbour areas
- mapping of Indigenous cultural heritage sites, and review of the amended project design against non-Indigenous cultural heritage mapping

- assessment of the social impacts and benefits of water strategy options.

As outlined in the Introduction, further studies and partnership developments are underway for social infrastructure, housing, rural health and traffic impacts, in preparation for implementation of the Social Impact Management Plan (draft SIMP attached as *Appendix 8.4*).

### **3.4 ASSESSMENT OF CHANGES TO PROJECT**

Refinements to the project were assessed to identify changes to social impacts which should be considered in mitigation strategies and ongoing consultation. This required a refinement of baselines and profiling information as noted above, and consideration of the following:

- selection of tenements which will host Central Processing Plants and the first tranche of Field Compression Stations (*Chapter 4*)
- a change in the pipeline configuration and selection of Option 2 (as discussed in the draft EIS, and in *Chapter 5* of this volume)
- indicative locations for pipeline accommodation construction camps (*Chapter 5*)
- use of on-shore camp accommodation in the Gladstone LGA (*Chapter 6*)
- development of the strategy for coal seam water (*Chapter 7*).

### **3.5 REVIEW OF IMPACTS AND MITIGATIONS**

Matters of consideration and changes to impacts varied between project components. Consequent changes in impacts forecast as a result of consultation input or project design are discussed, and their significance summarised. The sufficiency of mitigation strategies was reviewed, and amendments made where required. These will be further detailed in the Social Impact Management Plan (SIMP) to be developed in consultation with key stakeholders in February-April 2010 (see *Appendix 8.4* for details).