4 LOCATION OF PROJECT COMPONENTS

This chapter provides an update to the regional and local context within which the Project Components (outlined in *Chapter 3*) are to be developed. This overview is provided to help stakeholders better understand the detailed Project description in *Chapters 7* to *17* of this volume. The location of the Queensland Curtis LNG (QCLNG) Project Gas Field Component, LNG Component and preferred Pipeline corridors are shown in *Figure 2.4.1* and *Figure 2.4.2.*

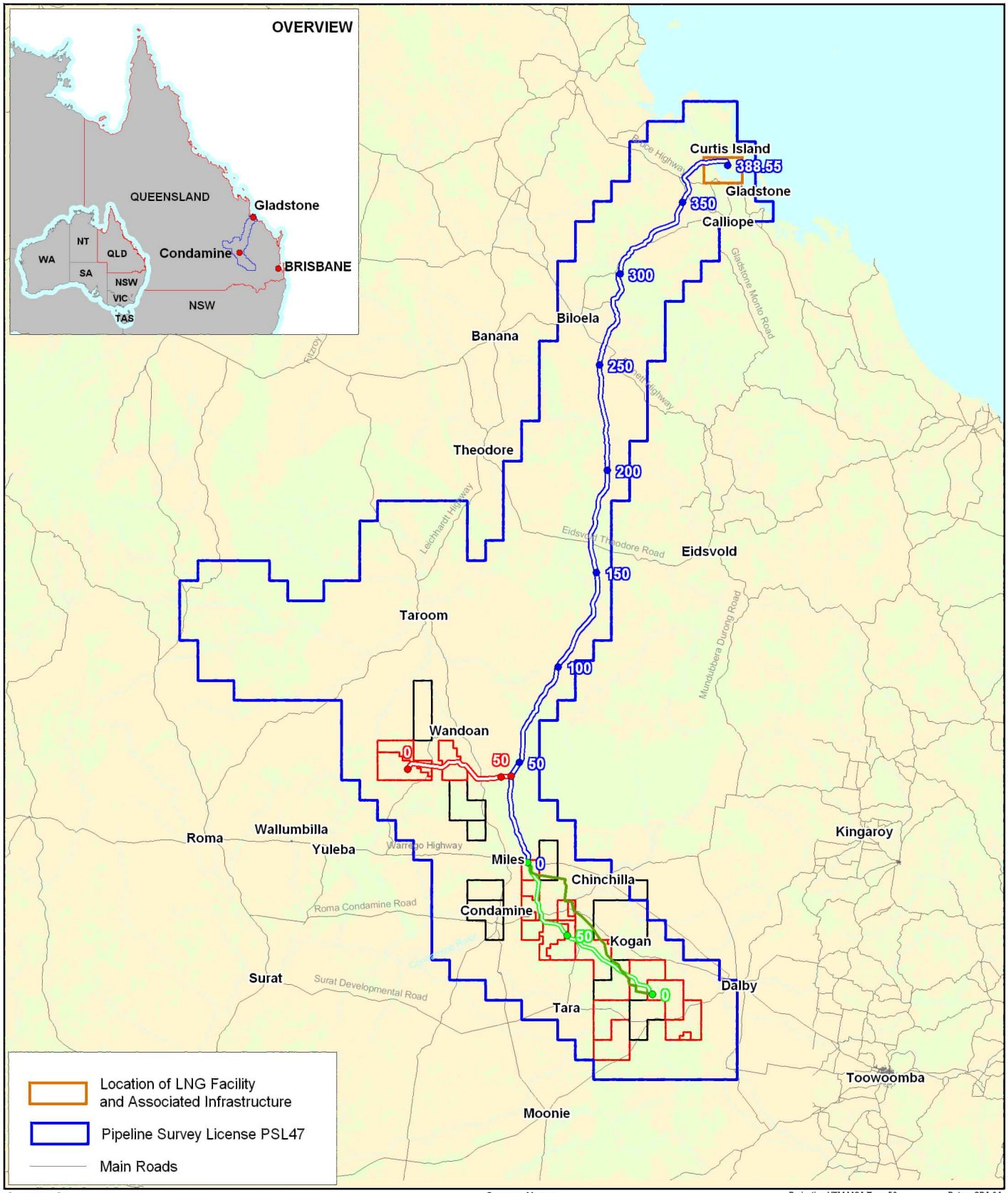
More detailed descriptions and locations of the environmental (including land use and infrastructure), social, cultural and economic baseline values falling within the Project's area of influence are described and mapped in *Volumes 3 to 8* of the draft environmental impact statement (EIS) and this supplementary EIS (sEIS).

The location of the Gas Field Component is outlined in *Section 4.1*, the Pipeline in *Section 4.2* and the LNG Component (including the LNG Facility, marine facilities and facilities on the mainland at Gladstone) in *Section 4.3*. *Section 4.4* describes the location of the ancillary Infrastructure.

4.1 GAS FIELD COMPONENT

4.1.1 Regional Context

In terms of the regional context of where the Gas Field Component of the Project is located, there have been no changes to this section of the draft EIS. Changes to the Gas Field project description are detailed in *Volume 2, Chapter 11*. *Figure 2.4.3* shows the petroleum tenements of the Gas Field Component.



Legend:

- Export Pipeline & Kilometre Point
- Upstream Infrastructure Corridor & Kilometre Point
- Woleebee Creek Route & Kilometre Point
- Alternate Gas Collection Header Route
- Gas Fields - PL & PLA
- Gas Fields - ATP

Source Note:
1:250,000 Topographic vector copyright Geoscience Australia

Projection UTM MGA Zone 56 Datum GDA 94

0 50 75 100

Kilometres

N

QUEENSLAND CURTIS LNG
A BG Group business

Project	Queensland Curtis LNG Project
Client	QGC - A BG Group business

Title **QCLNG Project Study Area**

ERM
Environmental Resources Management Australia Pty Ltd

Drawn	Unidel	sEIS Volume 2	Figure S2.4.1
Approved	CDP	File No	E05-P-MA-96246
Date	21.01.10	Revision	Supplementary

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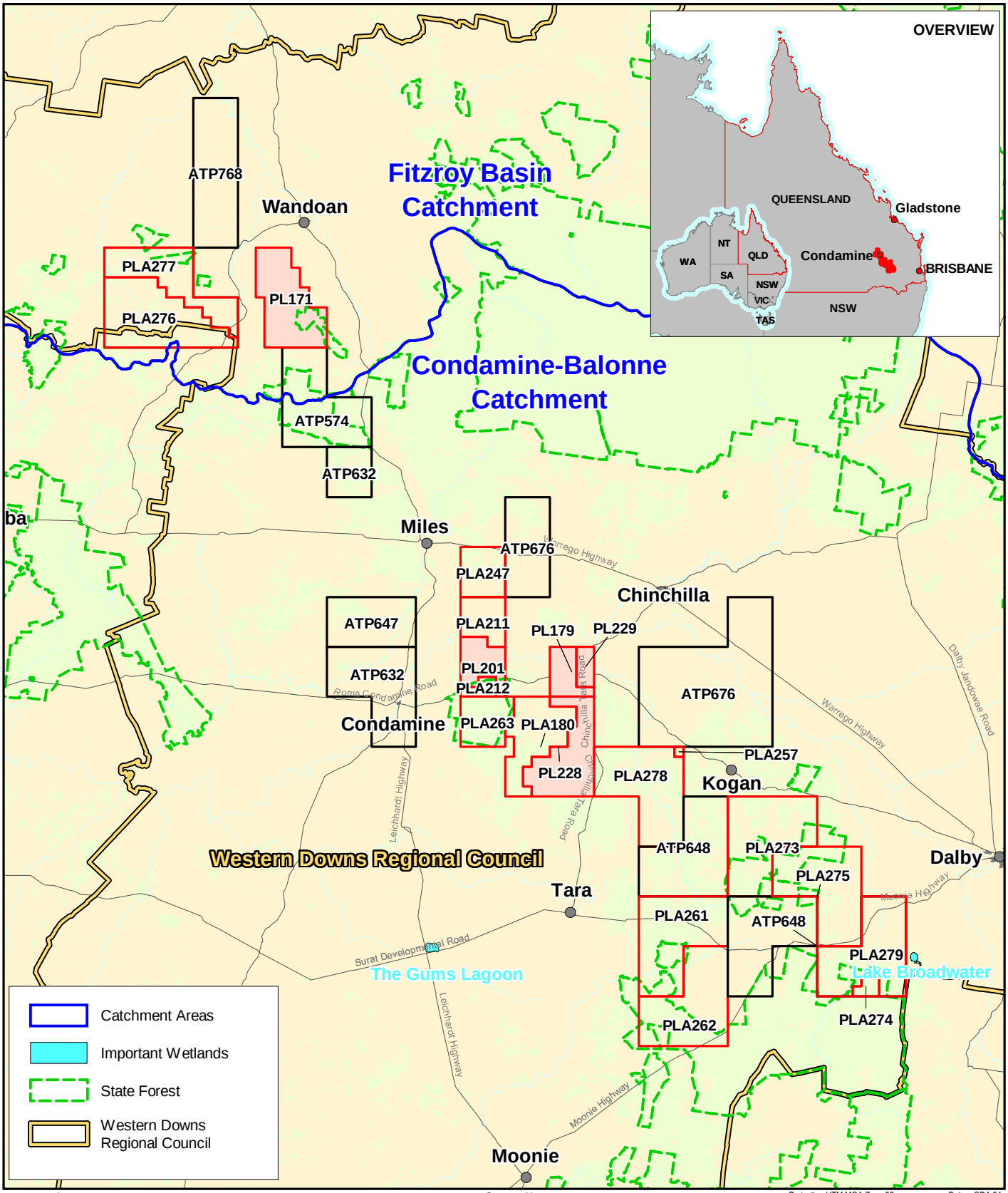
QUEENSLAND CURTIS LNG A BG Group business	Project	Queensland Curtis LNG Project	Title: Location of the LNG Facility and Ancillary Infrastructure
	Client	QGC - A BG Group business	
ERM Environmental Resources Management Australia Pty Ltd	Drawn: KP	sEIS Volume 1 Figure S2.4.2	Disclaimer: Maps and Figures contained in this Report may be based on Third Party Data, may not to be to scale and are intended as Guides only. ERM does not warrant the accuracy of any such Maps and Figures.
	Approved: RS	File No: 0086165b_EIS_GIS001_S2.4.2	
	Date: 11.01.10	Revision: 0	



Legend:

- Gas Fields - Authority to Prospect
- Gas Fields - Petroleum Lease Application
- Gas Fields - Petroleum Lease

Source Note:

1:250,000 Topographic vector copyright Geoscience Australia
QLD Protected Areas, Catchment Areas and Important Wetlands sourced from Environmental Protection Agency

Projection UTM MGA Zone 56 Datum GDA 94

0 10 20 30 40 Kilometres

N

QUEENSLAND CURTIS LNG
A BG Group business

Project	Queensland Curtis LNG Project
Client	QGC - A BG Group business

Title: **Location of Gas Fields Petroleum Tenures**

ERM
Environmental Resources Management Australia Pty Ltd

Drawn	Unidel	sEIS Volume 2 Figure	s2.4.3
Approved	CDP	File No:	QC02-T-MA-00157
Date	23.12.09	Revision	Supplementary

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4.2 PIPELINE

4.2.1 Regional Context

The Export Pipeline will commence from QGC's coal seam gas (CSG) production leases just north of Miles and extend north-east to Gladstone, a distance of approximately 340 km. *Figure 2.4.1* has been updated to show changes in the Export and Collection Header Pipelines and removal of the Lateral Pipeline. The route has been relocated in the northern end to allow for accommodation within the Callide to Gladstone corridor. Between the mainland at Gladstone and the Facility on Curtis Island, the Export Pipeline will require a marine crossing of the tidal inlet known as The Narrows, within the Port of Gladstone. Options for the exact route of the Export Pipeline across The Narrows are currently under investigation, but potential routes involve a crossing from the area around Phillipies Landing Road and Friend Point on the mainland to the area around Laird Point on Curtis Island.

Route options have been investigated for the Export Pipeline route and these are detailed in *Volume 2, Chapter 12*. The preferred route for the Export Pipeline is described in detail in *Volume 2, Chapter 12.*

It is now proposed that the northern portion of the gas Collection Header will take a direct east-west route between the existing Woleebee Creek gas fields and the Export Pipeline; a distance of approximately 55 km. This northern portion of the gas Collection Header will connect with the southern portion along what was previously the first 40 km of the Export Pipeline route. The southern portion of the gas Collection Header will remain between Miles and the Ruby gas field area a distance of approximately 100 km. This results in a gas Collection Header of approximately 195 km between the Ruby and Woleebee Creek gas fields.

The pipelines will traverse five council areas as set out in the draft EIS.

Table 2.4.1 Councils Intersected by the Pipelines

Pipeline	Council				
	Western Downs Regional	Roma Regional	Banana Shire	North Burnett Regional	Gladstone Regional
Export					
Lateral					
Collection Header					

4.3 LNG FACILITY

4.3.1 Regional Context

4.3.1.1 *Onshore Facilities – Curtis Island*

As described in the draft EIS, QGC is proposing to locate the LNG Facility on

the south-western portion of Curtis Island (on the northern side of the Port of Gladstone), between Laird Point and Hamilton Point. This area of Curtis Island is part of the Gladstone State Development Area (GSDA) as designated by the Queensland Co-ordinator General.

Land to the immediate east of the Curtis Island Industry Precinct has been designated as the Environmental Management Precinct of the GSDA. It should be noted, that the project description of the LNG onshore facilities of Curtis Island does not include the construction of a bridge connecting Curtis Island to the mainland or the roadworks that would be required for the bridge.

4.3.1.2 LNG Marine Facilities

Marine facilities associated with the LNG Facility are located within the bounds of the Port of Gladstone as defined in Transport Infrastructure (Ports) Regulation 2005[1](Qld).

4.3.2 Local Context

4.3.2.1 Onshore Facilities – Curtis Island

The proposed location of the LNG Facility and onshore facilities (including the LNG Facility construction camp within the LNG Facility boundary) is 6 km north-east of Gladstone City. The site is located on the south-western side of Curtis Island immediately north of China Bay, and immediately south of Graham Creek. The site is currently described as:

- part of Lots 10 and 27 on Crown Plan DS220
- esplanade.

The LNG Facility site is approximately 268 ha of land above highest astronomical tide (HAT), with an additional proposed wet lease area (below HAT) of approximately 71 ha, subject to ongoing negotiation and definition of wet lease boundary. The Esplanade comprises approximately 9 ha of the wet lease area.

The location and boundary of the LNG Facility footprint on Curtis Island, in relation to the location and boundaries of land tenure, are shown in *Figure 2.4.4.*

1 Queensland Government: Transport Infrastructure (Ports) Regulation 2005. Reprinted as in force on 14 March 2008 - Reprint No. 1C

QUEENSLAND CURTIS LNG A BG Group business	Project	Queensland Curtis LNG Project	Title Cadastral boundaries on Curtis Island and the Mainland
	Client	QGC - A BG Group business	
ERM Environmental Resources Management Australia Pty Ltd	Drawn KP	sEIS Volume 2 Figure S2.4.4	Disclaimer: Maps and Figures contained in this Report may be based on Third Party Data, may not to be to scale and are intended as Guides only. ERM does not warrant the accuracy of any such Maps and Figures.
	Approved RS	File No: 0086165b_SUP_GIS002_S2.4.4	
	Date 19.01.10	Revision 0	