



Gorgon Project

Short-range Endemics and Subterranean Fauna Monitoring Plan

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1.0 Introduction

1.1 Proponent

Chevron Australia Pty Ltd (CAPL) is the proponent and the person taking the action for the Gorgon Gas Development on behalf of these companies (collectively known as the Gorgon Joint Venturers):

- Chevron Australia Pty Ltd
- Chevron (TAPL) Pty Ltd
- Shell Development (Australia) Pty Ltd
- Mobil Australia Resources Company Pty Limited
- Osaka Gas Gorgon Pty Ltd
- Tokyo Gas Gorgon Pty Ltd
- JERA Gorgon Pty Ltd.

1.2 Project

CAPL is developing the gas reserves of the Greater Gorgon Area. The gas will be processed in a Gas Treatment Plant (GTP) on Barrow Island, which is located off the Pilbara coast 85 km north-north-east of Onslow in Western Australia (WA) (Figure 1-1).

Subsea gathering systems and pipelines deliver feed gas from the Gorgon and Jansz–Io gas fields to the west coast of Barrow Island. The underground feed gas pipeline system then traverses Barrow Island to the east coast where the GTP is located. The GTP includes natural gas trains that produce liquefied natural gas (LNG) as well as condensate and domestic gas. Carbon dioxide (CO₂), which occurs naturally in the feed gas, is separated during the production process and injected into deep rock formations below Barrow Island. The LNG and condensate is loaded onto tankers from a jetty and then transported to international markets. Gas for domestic use is exported by pipeline from Barrow Island to the domestic gas collection and distribution network on the WA mainland.

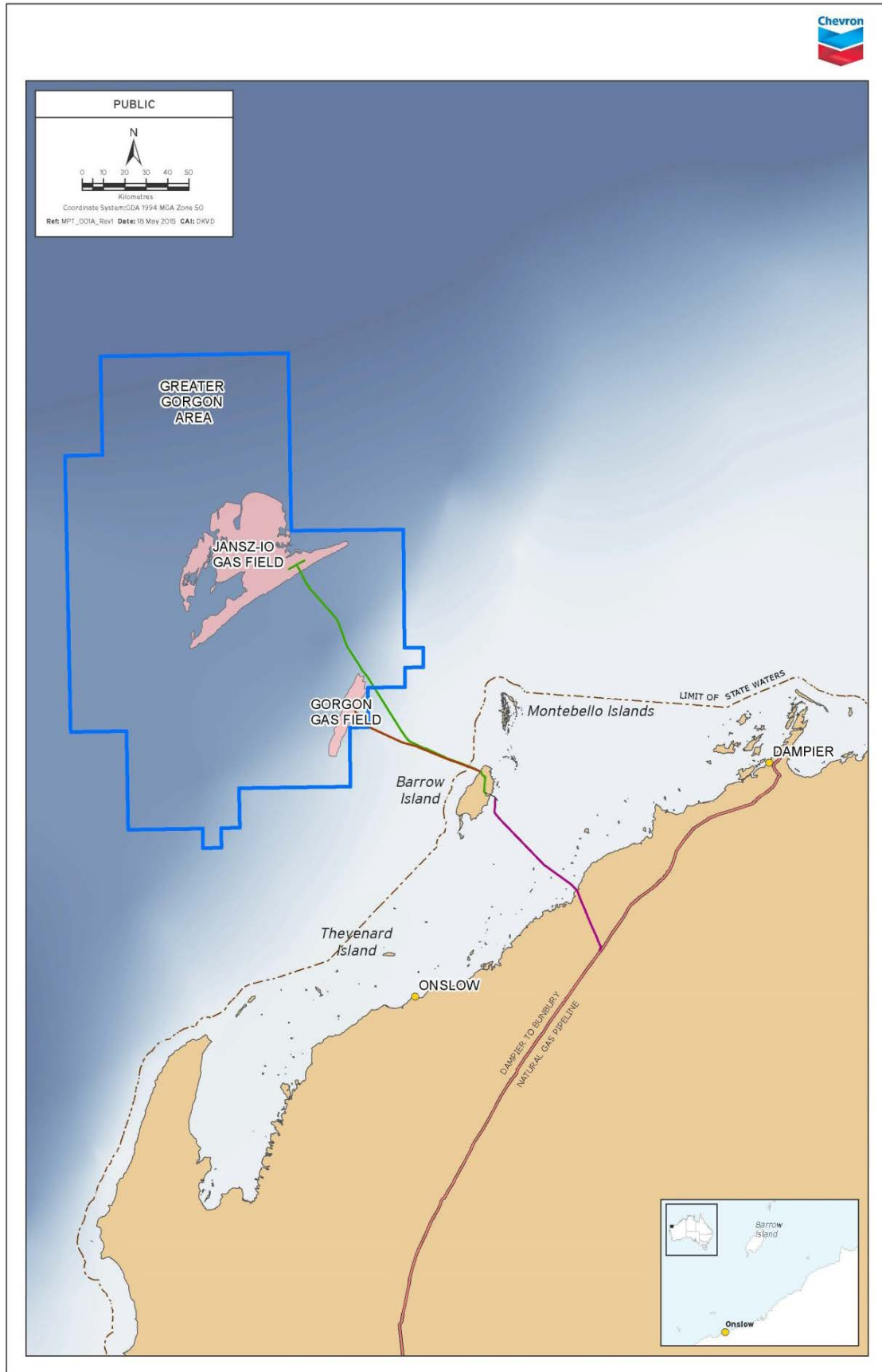


Figure 1-1: Location of Barrow Island and the Greater Gorgon Area

1.3 Environmental Approvals

Table 1-1 summarises the State (WA) and Commonwealth (Cth) approvals for the components of the Gorgon Gas Development.

These approvals, and projects approved under these approvals, have been and may continue to be amended (or replaced) from time to time.

Table 1-1: State and Commonwealth Approvals

Project Approval Stage	State	Commonwealth
Jansz Feed Gas Pipeline	Ministerial Statement (MS) 769 (Ref. 1) 28 May 2008	EPBC Reference: 2005/2184 (Ref. 2). 22 March 2006
Initial Gorgon Gas Development (2 LNG trains)	Initial Gorgon Gas Development comprising two LNG trains – MS 748 (Ref. 19). This was superseded by MS 800. 6 September 2007	Initial Gorgon Gas Development comprising two LNG trains – EPBC Reference: 2003/1294 (Ref. 20). 3 October 2007
Revised and Expanded Gorgon Gas Development (3 LNG trains)	MS 800 (Ref. 3) provides approval for both the initial Gorgon Gas Development and the Revised and Expanded Gorgon Gas Development (comprising three LNG trains). This statement supersedes MS 748. 10 August 2009	The Revised and Expanded Gorgon Gas Development (EPBC Reference: 2008/4178 [Ref. 21]) was approved, and the conditions for the initial Gorgon Gas Development (EPBC Reference: 2003/1294 [Ref. 20]) were varied. 26 August 2009
Dredging Amendment	MS 865 (Ref. 22) provides approval to establish a restart mechanism in the event of a Project-attributable coral health management trigger. This statement is an amendment to Conditions 18, 20, and 21 of MS 800. 8 June 2011	Not applicable
Additional Support Area	MS 965 (Ref. 4) applies the conditions of MS 800 to an Additional Support Area. 2 April 2014	The conditions for the initial Gorgon Gas Development (EPBC Reference: 2003/1294 [Ref. 20]) and for the Revised and Expanded Gorgon Gas Development (EPBC Reference: 2008/4178 [Ref. 21]) were varied. 15 April 2014
Gorgon Gas Development Fourth Train Expansion ¹	MS 1002 (Ref. 5) applies the conditions of MS 800 to the Fourth Train Expansion, and has additional conditions. 30 April 2015	EPBC Reference: 2011/5942 (Ref. 23). 12 May 2016

¹ This Plan will apply to the Fourth Train Expansion once this scope commences.

1.4 Purpose of this Plan

1.4.1 Requirement for this Plan

1.4.1.1 State Environmental Approval Requirement

This Plan is required under Condition 11.1 of MS 800:

Prior to commencement of construction of the Gas Treatment Plant, the Proponent shall prepare and submit to the Minister, a Short Range Endemics and Subterranean Fauna Monitoring Plan (the Plan) for the further survey and identification of those short range endemics and subterranean fauna species which have previously only been located on the Gas Treatment Plant site.

1.4.2 Contents of this Plan

Table 1-2 lists the State Condition requirements of this Plan and the sections in this Plan that fulfil them.

Table 1-2: Condition Requirements Addressed in this Plan

Condition No.	Condition Requirement	Section in this Plan
11.1 i	Survey methods	Sections 3.2
11.1 ii	Survey sites	Table 3-2, Appendix B
11.1 iii	Frequency of surveys	Table 3-2
11.1 iv	in respect of any species that has only been found on the Gas Treatment Plant site as at the date of this Statement, the continuation of surveys for that species until it is found elsewhere,	Section 3.3
-	As determined by the Minister	

Any matter specified in this Plan is relevant to the Gorgon Gas Development or Jansz Feed Gas Pipeline only if that matter relates to the specific activities or facilities associated with that particular development.

2.0 Relevant Facilities and Activities

This Plan sets out monitoring for short-range endemic (SRE) species and subterranean fauna at risk of impact associated with construction and operational activities falling under the MS 800, MS 769, and M965 environmental approvals.

2.1 Terrestrial Facilities

This Plan applies to the Terrestrial Facilities of the Gorgon Gas Development and the Terrestrial Facilities of the Jansz Feed Gas Pipeline, which are shown in Figure 2-1. The Gorgon Gas Development Terrestrial Facilities are defined in Condition 6.3 of MS 800 and Condition 5.2 of EPBC Reference: 2003/1294 and 2008/4178 as the:

- Gas Treatment Plant
- Carbon Dioxide Injection system
- Associated Terrestrial Infrastructure forming part of the proposal
- Areas impacted for seismic data acquisition
- Onshore Feed Gas Pipeline System and terrestrial component of the shore crossing.

Terrestrial Facilities also include those defined in Schedule 1 of MS 965 (the Additional Support Area) (Ref. 4).

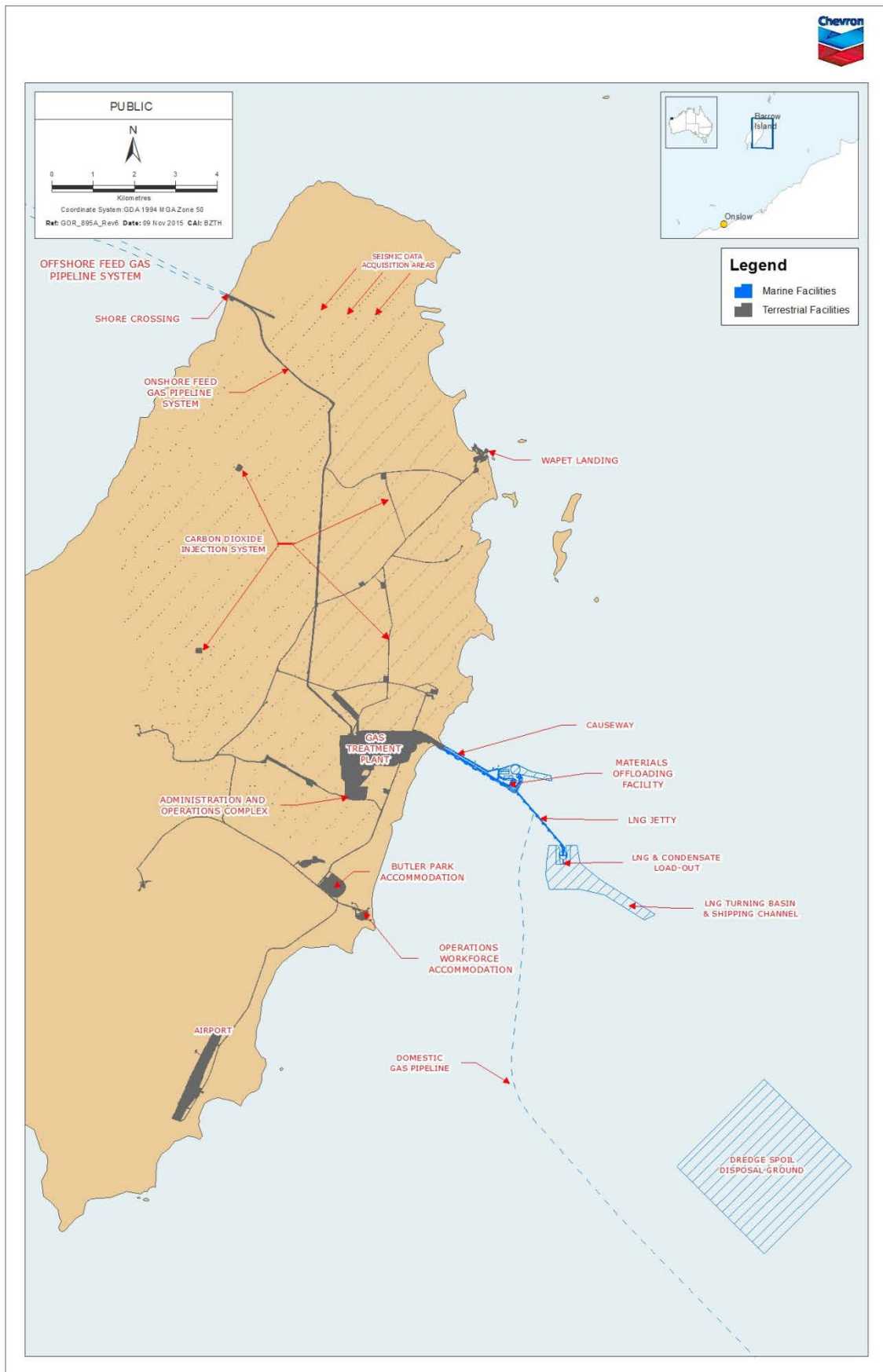


Figure 2-1: Gorgon Gas Development Facilities on Barrow Island

3.0 Monitoring Program

3.1 Short-Range Endemics Considered in this Plan

Condition 11.1 of MS 800 states that those SRE species that were only located on the GTP site as at 10 August 2009 need to be considered in this Plan. Therefore, the 14 taxa identified during the process of submitting the Draft and Final Environmental Impact Statement/Environmental Review and Management Programme (EIS/ERMP) for the Gorgon Gas Development (Ref. 6; Ref. 7) are considered in this Plan. Another SRE terrestrial invertebrate species was recorded in 2008 (after submission of the Draft and Final EIS/ERMPs) during terrestrial invertebrate survey works undertaken both within and near the western aspect of the GTP site (Ref. 8).

Following the approval of MS 965 for the Additional Support Area in 2014, this site also became relevant to this Plan. Three additional taxa were likely present (pending further survey) in the Additional Support Area immediately south of the original GTP site (Ref. 13).

Of the total 18 taxa considered in this Plan as per Condition 11.1 of MS 800, 15 taxa have been confirmed by monitoring to be present outside the GTP and Additional Support Area. These 15 species do not require further targeted survey, and this Plan no longer applies to them.

Details of these taxa confirmed within the GTP and Additional Support Area have been reported to regulators in the Annual Environmental Performance Report, as required by Schedule 3 of MS 800.

The remaining four taxa that have not yet been found within the GTP and Additional Support Area require further survey, and are the subject of the Plan.

Table 3-1 summarises the status of these taxa.

Table 3-1: Status of SRE Species this Plan Applies to

Type	SRE Species	No Further Survey Required	Further Survey Required – in scope of this Plan
Terrestrial	Pseudoscorpion: <i>Synsphyronus</i> sp. nov. 'barrow'	Collected outside the GTP/ASA	
	Scorpion: <i>Urodacus 'linnei'</i>	Collected outside the GTP/ASA	
	Spider: <i>Idiommata</i> sp.		Not yet found – further survey required
Subterranean - Stygofauna	Amphipoda: <i>Nedsia</i> sp. 1	Collected outside the GTP/ASA	
	Amphipoda: <i>?Bogidomma</i> sp. 1	Collected outside the GTP/ASA	
	Isopoda: <i>Oniscidae</i> sp. nov. 1 (previously referred to as <i>Melitidae</i> unknown sp. 1)		Not yet found – further survey required
	Bathynellacea: <i>Notobathynella</i> sp. nov. 1	Collected outside the GTP/ASA	
	Decapoda: <i>Stygiocaris stylifera</i>	Collected outside the GTP/ASA	
	Isopoda: <i>Haptolana pholeta</i>	Collected outside the GTP/ASA	

Type	SRE Species	No Further Survey Required	Further Survey Required – in scope of this Plan
	Thermosbaenacea: <i>Halosbaena tulki</i>	Collected outside the GTP/ASA	
	Ostracoda: <i>Pilbaracandona</i> sp. nov. ¹		Not yet found – further survey required
	Perciformes: <i>Milyeringa justitia</i> ¹ (<i>veritas</i>)	Collected outside the GTP/ASA	
Subterranean - Troglifauna	Blattodea: <i>Blattodea</i> sp. nov. 1	Collected outside the GTP/ASA	
	Pseudoscorpionida: <i>Ideoblothrus nesotymbus</i>	Collected outside the GTP/ASA	
	Schizomida: <i>Draculoides bramstokeri</i>	Collected outside the GTP/ASA	
	Spirobolida: <i>Speleostrophus nesiototes</i>	Collected outside the GTP/ASA	
	Thysanura: <i>Trinemura</i> sp. nov. 1 (previously referred to as <i>Archaeognatha</i> sp. 1)	Collected outside the GTP/ASA	
	Symphyla: <i>Symphyla</i> sp. ¹		Not yet found – further survey required

¹ Additional taxa added to the list of species relevant to this Plan following approval of MS 965.

3.2 Survey Methodology

3.2.1 Terrestrial SRE

As no ecological information is available for the Mygalomorph spider *Idiommata* sp., future survey methods for this taxa should remain flexible so that it may be adapted as new information on this species becomes available.

Note: The Environmental Protection Authority's (EPA) Guidance Statement 20 (Ref. 11) considers that pit trapping is the most likely method for recording most Mygalomorph species, yet likely has a low probability of recording additional specimens of low-frequency taxa. This is primarily due to the limited range of ambient conditions (usually wet or very humid nights following rainfall) under which individuals leave their burrows. Although targeted burrow searching can also have a low likelihood of yielding additional specimens and can be destructive of micro-habitat and non-target species, it may yield both male and females for identification purposes.

Therefore, three techniques are proposed to collect further specimens of the recorded *Idiommata* sp.:

- targeted burrow searches
- targeted night searches for wandering individuals (using torches to scan the bare ground and upper and underneath surfaces of vegetation)
- pitfall trapping (conducted as part of the Gorgon Non-Indigenous Survey (NIS) sampling program)

Where practicable, these surveys would follow significant rainfall events. It is anticipated that these combined methods would provide a robust monitoring methodology and increase the potential for discovering a further specimen of *Idiommata* sp.

Future targeted survey efforts for this taxa will likely survey areas with the same vegetation type as that in which the *Idiommata* sp. specimen was collected – i.e. spinifex hummocks, within a patch of vegetation coded as L3a (Ref. 10). The same vegetation assemblage is found at a further seven localities to the south, south-west, west, north, and north-west of the GTP site. These areas (among other vegetation types, and existing NIS monitoring sites) will likely be used for targeted searches for this species. These areas are shown in Figure 3-1, and Appendix B.

The monitoring program for terrestrial SREs will be implemented in a way that meets the objectives defined in Table 3-2, while retaining operational flexibility such that abnormal events (e.g. extreme weather events), including those beyond CAPL's control, can be accommodated. If it is not possible to implement or complete one or more monitoring scopes or a component of a scope (e.g. cyclone, safety concerns), CAPL will take measures to ensure the objectives of the monitoring program continue to be met.

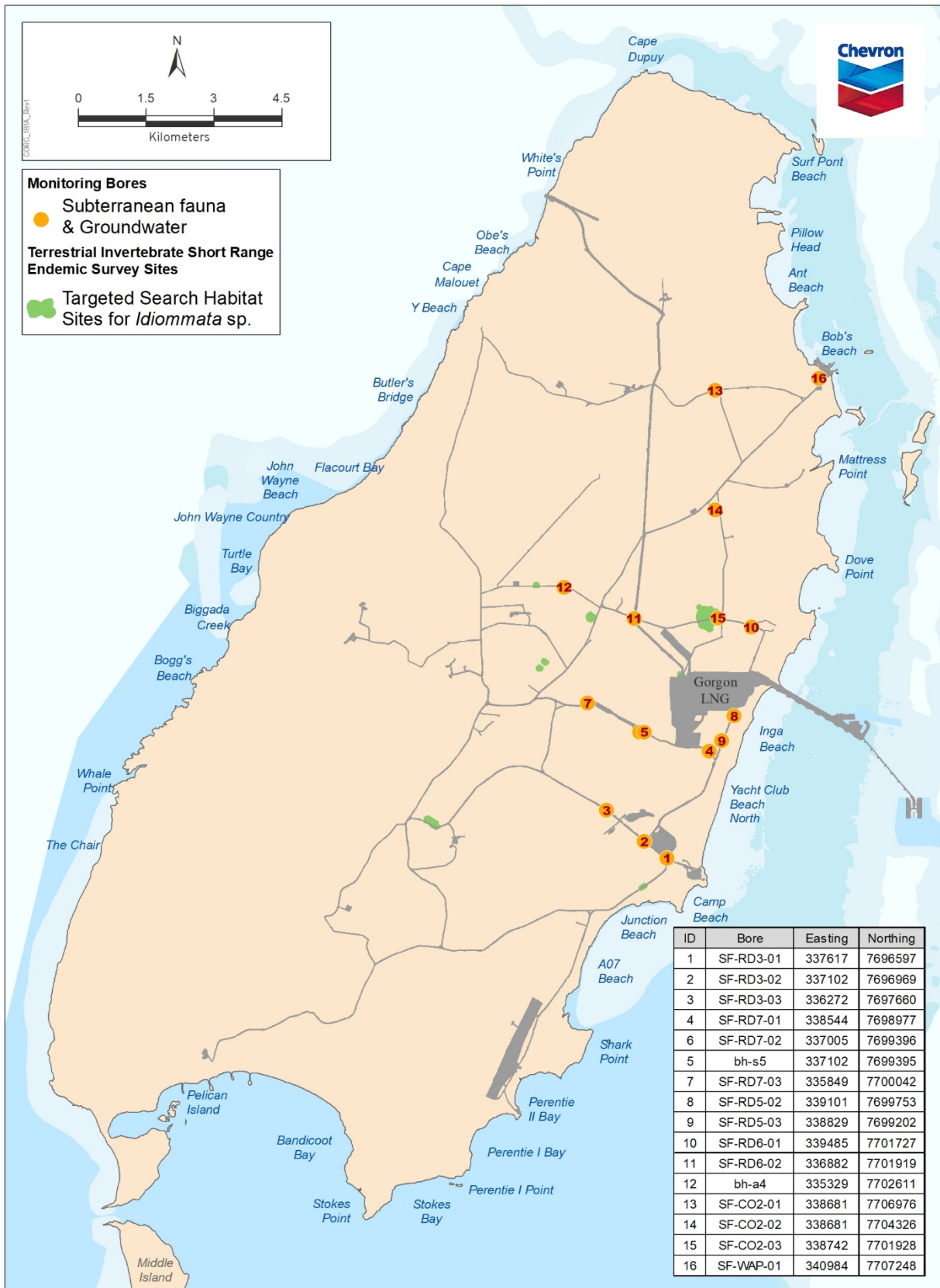


Figure 3-1: Location of SRE Survey Sites Outside the GTP Site and Additional Support Area

3.2.2 Subterranean SRE

Borehole surveys are proposed for collecting further specimens of the three subterranean SREs:

- Stygofauna - borehole survey using stygofauna haul nets (taking into account EPA Guidance Statement No. 54a; Ref. 16)
- Troglifaunal - borehole survey using litter traps suspended within boreholes for ~6 weeks to allow colonisation.

EPA Guidance Statement No. 54a (Ref. 16) has limited trapping design detail for troglifauna sampling; therefore, appropriate and proven trap design and sampling methods will be used. To date, and for the ongoing sampling program, troglifauna have been sampled using litter traps suspended within boreholes (although they are also inadvertently sampled using the haul nets used for stygofauna sampling).

The monitoring program for subterranean SREs will be implemented in a way that meets the objectives defined in Table 3-2, while retaining operational flexibility such that abnormal events (e.g. extreme weather events), including those beyond CAPL's control, can be accommodated. If it is not possible to implement or complete one or more monitoring scopes or a component of a scope (e.g. cyclone, safety concerns), CAPL will take measures to ensure the objectives of the monitoring program continue to be met.

The locations of the bores proposed for sampling are shown in Figure 3-1, and are detailed in Appendix B. These bores may change over time, if any become non-functional for reasons such as:

- sediment infill during hydrological events
- ground structure collapse in uncased bores or bores with slotted intervals in casings
- blockage due to irretrievable monitoring equipment (stygofauna monitoring nets, bailers, loggers)
- accidental destruction
- intentional removal or decommissioning.

Additional survey sites may also be used for future monitoring if they are appropriate and available.

Except for the proposed monitoring for taxa currently restricted to the GTP site and Additional Support Area, as detailed in Section 3.0, routine impact monitoring of subterranean fauna is not intended to be undertaken for these reasons:

- Troglifauna were not identified at risk from the Gorgon Gas Development on Barrow Island in the Terrestrial and Subterranean Baseline State and Environmental Impact Report (Ref. 17).
- The Terrestrial and Subterranean Environment Monitoring Program (Ref. 18) establishes that groundwater is to be used as a surrogate to monitor for impacts to stygofauna. Details of this monitoring and data acquisition are provided in the Ecological Monitoring Common User Procedure (Ref. 15).

Table 3-2: SRE Monitoring Program

	Element	Monitoring Objectives	Monitoring Parameters	Monitoring Methods	Monitoring Frequency	Sampling Sites
Terrestrial	Mygalomorph	Locate <i>Idiommata</i> sp. outside GTP site and Additional Support Area	Presence / absence	<ul style="list-style-type: none"> Burrow searches and excavation Night searches using torches to scan the bare ground and vegetation for wandering individuals Pitfall trapping using the NIS pitfall traps currently installed on Barrow Island 	Targeted monitoring every five years Opportunistic monitoring as part of the Gorgon NIS program	Areas outside the GTP site (Figure 3-1; Appendix B)
Subterranean – Stygofauna	Amphipod	Locate <i>Oniscidae</i> sp. nov. 1 outside GTP site and Additional Support Area	Presence / absence	<ul style="list-style-type: none"> Borehole survey using stygofauna haul nets and/or litter traps suspended within boreholes as appropriate 	Every five years	At least 5 bores per sampling event (Figure 3-1; Appendix B)
	Ostracod	Locate <i>Pilbaracandona</i> sp. nov. 1 outside GTP site and Additional Support Area				
Subterranean – Troglifauna	Symphyla	Locate <i>Symphyla</i> sp. outside GTP site and Additional Support Area	Presence / absence	<ul style="list-style-type: none"> Borehole survey using stygofauna haul nets and/or litter traps suspended within boreholes as appropriate 		

3.3 Continuation of Surveys

Condition 11.1.iv of MS 800, and therefore this Plan, requires surveys for any species that were found within the GTP site (as at the date of MS 800 [10 August 2009]) to continue until that species is found elsewhere.

The Plan also requires continuation of surveys for any species that have only been found within the Additional Support Area as at the date of MS 965 (2 April 2014).

4.0 External Reporting

Condition 5.1 of MS 800 and MS 769 require that monitoring results are reported via Environment Performance Reports.

Specific reporting protocols are listed in Table 4-1.

Table 4-1: Reporting Protocols

Ecological Change	Report To	Timing ¹
Results of survey and studies to locate outside the GTP site (and Additional Support Area) those remaining SREs and subterranean fauna species previously found only within the GTP site ¹ (as required in Condition 11.1)	WA Department of Water and Environmental Regulation (DWER)	Annually on 10 November
Presence of one of the target species ¹	DWER and Department of Biodiversity, Conservation and Attractions (DBCA)	Within 10 working days of confirmation of the species identification

1. *SRE species listed in Table 3-1 as 'further survey required'.*

5.0 Terminology

Terminology used in this document is listed in Table 5-1. These terms align with those defined in Schedule 2 of MS 800.

Table 5-1: Terminology

Term	Definition
~	Approximately
At risk	Being at risk of Material Environmental Harm or Serious Environmental Harm
CAPL	Chevron Australia Pty Ltd
CO ₂	Carbon dioxide
DBCA	Western Australia Department of Biodiversity, Conservation and Attractions (formerly Parks and Wildlife)
DotEE	Commonwealth Department of the Environment and Energy
DWER	Western Australian Department of Water and Environmental Regulation
EIS/ERMP	Environmental Impact Statement/Environmental Review and Management Programme (for the Proposed Gorgon Gas Development dated September 2005) as amended or supplemented from time to time.
EPA	Western Australian Environmental Protection Authority
EPBC Act	Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i>
Gorgon Gas Development	The Gorgon Gas Development as approved under MS 800 and EPBC Reference: 2003/1294 and 2008/4178 as amended or replaced from time to time.
GTP	Gas Treatment Plant
km	Kilometre
km/h	Kilometres per hour
LNG	Liquefied Natural Gas
mm	Millimetre
MS	(Western Australian) Ministerial Statement
NIS	Non-Indigenous Species
Significant rainfall event	Approximately >50 mm of rain in a 48-hour period
SRE	Short-range endemic (species)
Stygofauna	groundwater-dwelling aquatic fauna
TAPL	Texaco Australia Pty Ltd
Troglofauna	Obligate cave- or karst-dwelling terrestrial subterranean invertebrate fauna occurring above the watertable.
WA	Western Australia

6.0 References

The following documentation is directly referenced in this document.

Table 6-1: References

Ref. No.	Description	Document Number
1.	Government of Western Australia, Minister for the Environment, David Templeman MLA. 2008. <i>Statement that a Proposal may be Implemented – Jansz Feed Gas Pipeline: Barrow Island Nature Reserve (Ministerial Statement 769)</i> , 28 May 2008. Perth, Western Australia.	
2.	Commonwealth Government of Australia, Assistant Secretary Environmental Assessment Branch, Anne-Marie Delahun. 2006. <i>Decision to Approve the taking of an Action – Jansz Feed Gas Pipeline (EPBC Reference: 2005/2184)</i> , 22 March 2006. Canberra, Australian Capital Territory.	
3.	Government of Western Australia, Minister for the Environment, Youth, Donna Faragher JP MLC. 2009. <i>Statement that a Proposal may be Implemented – Gorgon Gas Development Revised and Expanded Proposal: Barrow Island Nature Reserve (Ministerial Statement 800)</i> , 10 August 2009. Perth, Western Australia.	
4.	Government of Western Australia, Minister for the Environment; Heritage. Albert P. Jacob JP MLA. 2014. <i>Statement that a Proposal may be Implemented – Gorgon Gas Development Additional Construction Laydown and Operations Support Area (Ministerial Statement 965)</i> . Perth, Western Australia.	
5.	Government of Western Australia, Minister for the Environment; Heritage. Albert Jacob MLA. 2015. <i>Statement that a Proposal may be Implemented – Gorgon Gas Development Fourth Train Expansion Proposal (Ministerial Statement 1002)</i> . Perth, Western Australia.	
6.	Chevron Australia. 2005. <i>Draft Environmental Impact Statement/Environmental Review and Management Programme for the Proposed Gorgon Gas Development</i> . Chevron Australia, Perth, Western Australia.	
7.	Chevron Australia. 2006. <i>Final Environmental Impact Statement/Environmental Review and Management Programme for the Gorgon Gas Development</i> . Chevron Australia, Perth, Western Australia.	
8.	Majer, J., Edwards, K. and Callan, S. 2008. <i>Report on the second intensive search for Urodacus sp. on Barrow Island for the Gorgon Gas Development</i> . Curtin University Report prepared for Chevron Australia, Perth, Western Australia.	
9.	Majer, J., Callan, S. and Graham, R. 2006. <i>Intensive Search for Urodacus sp. in the Greater Gorgon Gas Development Area</i> . Report prepared for Gorgon Joint Venture, Perth, Western Australia.	
10.	RPS Bowman Bishaw Gorham and Mattiske Consulting Pty Ltd. 2005. <i>Gorgon Development on Barrow Island Technical Report – Flora and Vegetation</i> . Unpublished report prepared for Chevron Australia, Perth, Western Australia.	
11.	Environmental Protection Authority. 2009. <i>Guidance for the Assessment of Environmental Factors (in accordance with the Environmental Protection Act 1986) – Sampling of Short Range Endemic Invertebrate Fauna for Environmental Impact Assessment in Western Australia, No. 20</i> . Environmental Protection Authority, Perth, Western Australia.	
12.	Biota Environmental Sciences. 2007. <i>Barrow Island Gorgon Gas Development: Summary of 2004–2006 Subterranean Fauna Surveys</i> . Report prepared for Gorgon Joint Venture, Perth, Western Australia.	

Ref. No.	Description	Document Number
13.	Biota Environmental Sciences. 2013. <i>Gorgon Gas Project Additional Areas Subterranean Fauna Desktop Review</i> . Unpublished report prepared for Chevron Australia, Perth, Western Australia.	
14.	Biota Environmental Sciences. 2008. <i>Revisions to Current Status of Subterranean Taxa Collected on Barrow Island for the Gorgon Development</i> . Letter issued to Dr Dorian Moro 18 December 2008. Biota Environmental Sciences, Perth, Western Australia.	
15.	Chevron Australia. 2009. <i>Gorgon Gas Development and Jansz Feed Gas Pipeline: Ecological Monitoring Common User Procedures</i> . Chevron Australia, Perth, Western Australia.	G1-PP-HES-PRC-0017
16.	Environmental Protection Authority. 2007. <i>Draft Guidance Statement No. 54A – Sampling Methods and Survey Considerations for Subterranean Fauna in Western Australia</i> . Government of Western Australia, Environmental Protection Authority, Perth, Western Australia.	
17.	Chevron Australia. 2012. <i>Gorgon Gas Development and Jansz Feed Gas Pipeline Terrestrial and Subterranean Baseline State and Environmental Impact Report</i> . Chevron Australia, Perth, Western Australia.	G1-TE-H-0000-REPX027
18.	Chevron Australia. 2013. <i>Gorgon Gas Development and Jansz Feed Gas Pipeline Terrestrial and Subterranean Environment Monitoring Program</i> . Chevron Australia, Perth, Western Australia.	G1-NT-PLNX0000309
19.	Government of Western Australia, Minister for the Environment, David Templeman MLA, 2007. <i>Statement that a Proposal may be Implemented – Gorgon Gas Development: Barrow Island Nature Reserve (Ministerial Statement No. 748), 6 September 2007</i> . Perth, Western Australia.	
20.	Commonwealth of Australia, Minister for the Environment and Water Resources, Malcolm Turnbull. 2007. <i>Approval – Gorgon Gas Development (EPBC Reference: 2003/1294), 3 October 2007</i> . Canberra, Australian Capital Territory.	
21.	Commonwealth of Australia, Minister for the Environment, Water, Heritage and the Arts, Peter Garrett. 2009. <i>Approval – Gorgon Gas Development (EPBC Reference: 2008/4178), 26 August 2009</i> . Canberra, Australian Capital Territory.	
22.	Government of Western Australia, Minister for the Environment and Heritage, Albert Jacob MLA, 2014. <i>Statement that a Proposal may be Implemented – Gorgon Gas Development: Barrow Island Nature Reserve (Ministerial Statement No. 965), 2 April 2014</i> . Perth, Western Australia.	
23.	Commonwealth of Australia, Minister for Sustainability, Environment, Water, Population and Communities, Tony Burke. 2011. <i>Approval – Gorgon Gas Development (EPBC Reference: 2011/5942), 3 June 2011</i> . Canberra, Australian Capital Territory.	

Appendix A Compliance Reporting Table

Section No.	Actions	Timing
3.2.1	The monitoring program for terrestrial SREs will be implemented in a way that meets the objectives defined in Table 3 2, while retaining operational flexibility such that abnormal events (e.g. extreme weather events), including those beyond CAPL's control, can be accommodated. If it is not possible to implement or complete one or more monitoring scopes or a component of a scope (e.g. cyclone, safety concerns), CAPL will take measures to ensure the objectives of the monitoring program continue to be met	All phases
3.2.2	The monitoring program for subterranean SREs will be implemented in a way that meets the objectives defined in Table 3 2, while retaining operational flexibility such that abnormal events (e.g. extreme weather events), including those beyond CAPL's control, can be accommodated. If it is not possible to implement or complete one or more monitoring scopes or a component of a scope (e.g. cyclone, safety concerns), CAPL will take measures to ensure the objectives of the monitoring program continue to be met	All phases
4.0	If one of the target species is found, CAPL will notify DWER and the Department of Biodiversity, Conservation and Attractions within 10 working days of confirmation of the species identification.	All phases

Appendix B Monitoring Sites

Indicative Subterranean SRE Monitoring Sites

ID	Site	Bore Code	Easting ¹ (m)	Northing ¹ (m)
1	Road 3	SF-RD3-01	337616.77	7696595.68
2	Road 3	SF-RD3-02	337099.67	7696968.87
3	Road 3	SF-RD3-03	336272.18	7697659.06
4	Road 7	SF-RD7-01	338543.65	7698977.41
5	Road 7	SF-RD7-02	337005.64	7699390.36
6	Road 7	bh-S5	337102.11	7699395.65
7	Road 7	SF-RD7-03	335846.93	7700039.61
8	Road 5	SF-RD5-02	339095.94	7699755.62
9	Road 5	SF-RD5-03	338873.1	7699164.96
10	Road 6	SF-RD6-01	339484.97	7701728.76
11	Road 6	SF-RD6-02	336881.54	7701905.57
12	Road 6	bh-a4	335329.1	7702611.6
13	CO ₂	SF-CO2-01	338681.48	7706976.24
14	CO ₂	SF-CO2-02	338681.23	7704326.79
15	CO ₂	SF-CO2-03	338742.98	7701928.27
16	WAPET Landing	SF-WAP-01	340986.15	7707248.15

Notes:

1. Datum: GDA 94, Projection: MGA 50; Source: Ref. 12