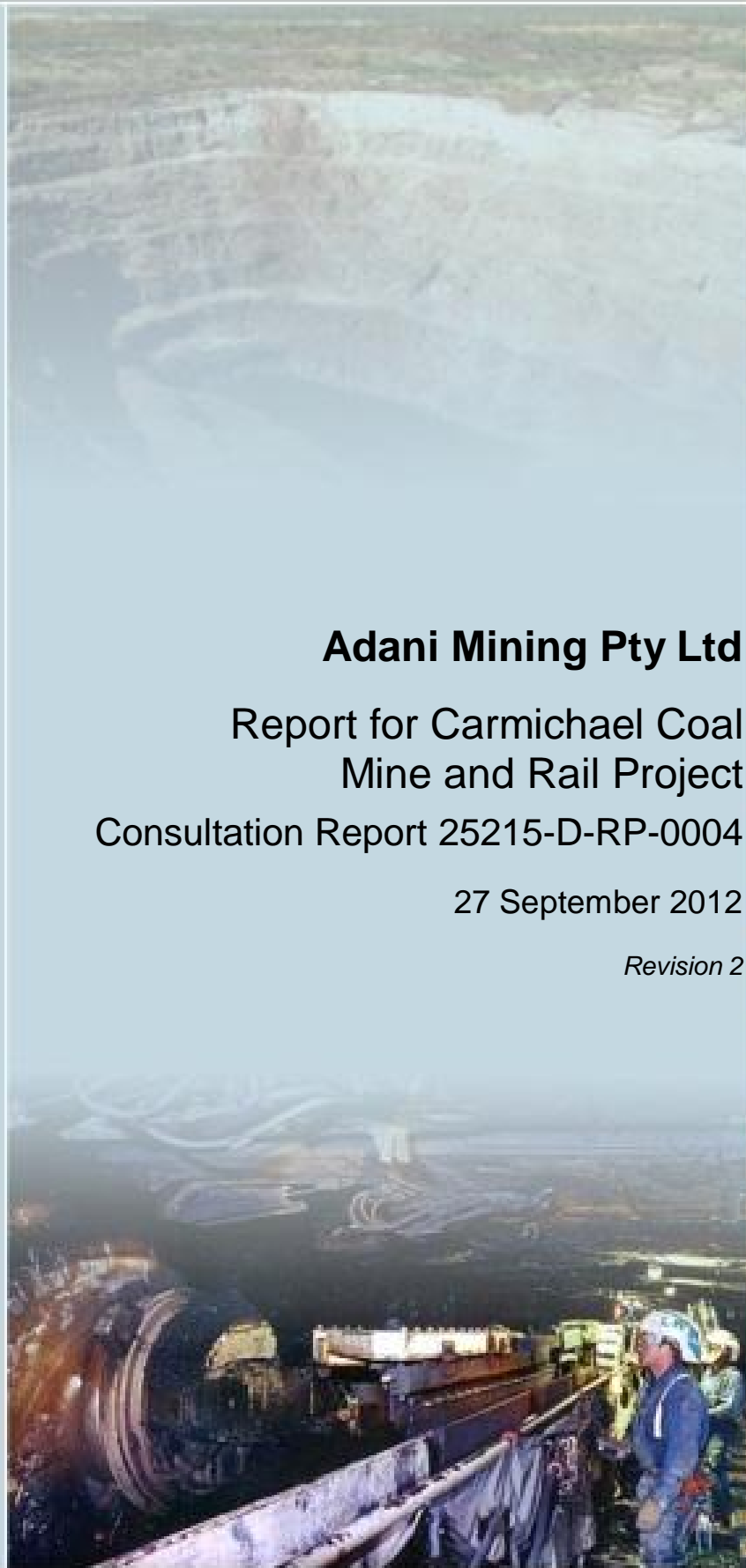




Adani Mining Pty Ltd

adani



Adani Mining Pty Ltd

**Report for Carmichael Coal
Mine and Rail Project**

Consultation Report 25215-D-RP-0004

27 September 2012

Revision 2





This Carmichael Coal Mine and Rail Project: Consultation Report (the Report) has been prepared by GHD Pty Ltd (GHD) on behalf of and for Adani Mining Pty Ltd (Adani) in accordance with an agreement between GHD and Adani.

The Report may only be used and relied on by Adani for the purpose of informing environmental assessments and planning approvals for the proposed Carmichael Coal Mine and Rail Project (Purpose) and may not be used by, or relied on by any person other than Adani.

The services undertaken by GHD in connection with preparing the Report were limited to those specifically detailed in Section 3 of the Report, and excluded consultation with Indigenous groups, trade unions and non EIS communication activities.

The Report is based on conditions encountered and information reviewed, including assumptions made by GHD, at the time of preparing the Report.

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- *any error in, or omission in connection with assumptions, or*
- *reliance on the Report by a third party, or use of this Report other than for the Purpose.*

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C	Project Newsletters
D	Paid Advertising
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F	Feedback Form



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Glossary and Abbreviations

Project Terms	
the EIS	Carmichael Coal Mine and Rail Project Environmental Impacts Statement
the Proponent	Adani Mining Pty Ltd
the Project	Carmichael Coal Mine and Rail Project
the Project (Mine)	Carmichael Coal Mine and Rail Project: Mine Component
the Project (Rail)	Carmichael Coal Mine and Rail Project: Rail Component

Abbreviation	Term
BIBO	Bus-in/bus-out
CTRC	Charters Towers Regional Council
C2C	Corridor to Coast: Galilee Network
DEEDI	Former Department of Employment, Economic Development and Innovation
DNRM	Department of Natural Resources and Mines
DSDIP	Department of State Development, Infrastructure and Planning
DIDO	Drive-in/drive-out
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EPC	Exploration Permit for Coal
FIFO	Fly-in/fly-out
GQAL	Good Quality Agricultural Land
IAP2	International Association of Public Participation
IAS	Initial Advice Statement
IRC	Isaac Regional Council
km	Kilometre
Mtpa	Million tonnes per annum



Abbreviation	Term
SIA	Social Impact Assessment
SIAU	Social Impact Assessment Unit
SIMP	Social Impact Assessment Management Plan
ToR	Terms of Reference
WRC	Whitsunday Regional Council



Executive Summary

Adani Mining Pty Ltd (Adani) is proposing to develop a 60 million tonne (product) per annum (Mtpa) thermal coal mine in the north Galilee Basin approximately 160 kilometres (km) north-west of the town of Clermont, Central Queensland. All coal will be railed via a privately owned rail line connecting to the existing Goonyella rail system south of Moranbah, and shipped through coal terminal facilities at the Port of Abbot Point and/or the Port of Hay Point (Dudgeon Point expansion). The Carmichael Coal Mine and Rail Project (the Project) will have an operating life of approximately 90 years.

The Carmichael Coal Mine and Rail Project (the Project) is comprised of two major components:

- ▶ The Project (Mine): a greenfield coal mine over EPC1690 and the eastern portion of EPC1080, which includes both open cut and underground mining, on mine infrastructure and associated mine processing facilities (the Mine) and the Mine (offsite) infrastructure.
- ▶ The Project (Rail): a greenfield rail line connecting the Mine to the existing Goonyella rail system to provide for the export of coal via the Port of Hay Point (Dudgeon Point expansion) and/or the Port of Abbot Point, respectively.

The Consultation Report (this report) outlines the public consultation process implemented for the Carmichael Coal Mine and Rail Project Environmental Impact Statement (Project EIS). Adani commenced formal consultation with key stakeholders and the broader community in early 2011. GHD's Consultation Team has supported Adani in undertaking all public consultation for the EIS, in accordance with Part B, Section 1.8 of the Project's terms of reference (May 2011). Public consultation activities have also been implemented to align with requirements for the Social Impact Assessment (SIA) component of the EIS.

A preliminary stakeholder scan was conducted through desktop research and review of existing information. The preliminary list was expanded through ongoing stakeholder identification as part of the consultation program.

Communication materials were developed to help facilitate the two-way flow of information between the project team and stakeholders and to record all feedback. These materials included:

- ▶ Stakeholder database
- ▶ Project newsletters
- ▶ 1800 free call telephone information line
- ▶ Reply paid post address
- ▶ Project email address
- ▶ Community feedback forms
- ▶ Project website
- ▶ Paid advertising/ public notices

In March and August 2011, consultation meetings and briefings were held with Project stakeholders and the community. Consultations were conducted in conjunction with the SIA study team in order to identify potential social impacts and mitigation measures.



The stakeholder feedback received from the consultation process highlighted potential environmental, social and economic impacts and benefits of the Carmichael Project.

Key themes raised throughout the consultation program are broadly categorised as follows:

- ▶ Project-related benefits for local business and employment
- ▶ Potential to exacerbate shortages in housing and accommodation
- ▶ Workforce supply and regional shortages
- ▶ Fly-in/fly-out out (FIFO) operations
- ▶ Environmental impacts of the Project, notably on air quality and flooding
- ▶ Support for Adani's greenfield rail line to link into a shared third party railway for access to the Port of Abbot Point and/or Port of Hay Point (Dudgeon Point expansion)
- ▶ Cumulative impacts of mining projects on local towns, notably the higher cost of living, declining housing affordability, and impacts of FIFO and shiftwork on family life
- ▶ Cumulative impacts of mining projects on the region's roads, notably increased mine-related traffic and public safety concerns, road deterioration, new rail crossings and wait times, driver fatigue risks associated with a drive-in/drive-out (DIDO) workforce, and emergency service response times.
- ▶ Support for Adani to have a long term presence in the Isaac Region through investment in local towns, business and community life

The identification of these issues, impacts and benefits have informed the SIA and were incorporated into other technical studies as part of the EIS process.

Following acceptance by the Queensland Coordinator General of the EIS, the document will be placed on public exhibition for a period of six weeks (or as determined by the Coordinator General). Following completion of the public exhibition, all stakeholder and community feedback will be reviewed and addressed in the Supplementary Report (if required).



1. Introduction

1.1 Project Overview

Adani Mining Pty Ltd (Adani) is proposing to develop a 60 million tonne (product) per annum (Mtpa) thermal coal mine in the north Galilee Basin approximately 160 kilometres (km) north-west of the town of Clermont, Central Queensland. All coal will be railed via a privately owned rail line connecting to the existing Goonyella rail system, and shipped through coal terminal facilities at the Port of Abbot Point and/or the Port of Hay Point (Dudgeon Point expansion). The Carmichael Coal Mine and Rail Project (the Project) will have an operating life of approximately 90 years.

The Project is comprised of two major components:

- ▶ The Project (Mine): a greenfield coal mine over EPC1690 and the eastern portion of EPC1080, which includes both open cut and underground mining, on mine infrastructure and associated mine processing facilities (the Mine) and the Mine (offsite) infrastructure including:
 - A workers accommodation village and associated facilities
 - A permanent airport site
 - Water supply infrastructure
- ▶ The Project (Rail): a greenfield rail line connecting the Mine to the existing Goonyella rail system to provide for the export of coal via the Port of Hay Point (Dudgeon Point expansion) and the Port of Abbot Point, respectively; including:
 - Rail (west): a 120 km dual gauge portion from the Mine site running west to east to Diamond Creek
 - Rail (east): a 69 km narrow gauge portion running east from Diamond Creek connecting to the Goonyella rail system south of Moranbah

The Project has been declared a 'significant project' under the *State Development and Public Works Organisation Act 1971* (SDPWO Act) for which, an Environmental Impact Statement (EIS) is required. The Project is also a 'controlled action' and requires assessment and approval under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

The Project EIS has been developed with the objective of avoiding or mitigating all potential adverse impacts to environmental, social and economic values and enhancing positive impacts. Detailed descriptions of the Project are provided in Volume 2 Section 2 Project Description (Mine) and Volume 3 Section 2 Project Description (Rail).

Figure 1-1 shows the Project location.

1.2 Purpose of this Report

The Consultation Report (this report) outlines the public consultation process undertaken as part of the Project EIS.

It has been prepared to address requirements of the Project's Terms of Reference (ToR), Part A, Section 7 and Part B, Section 1.8 "Public consultation process", as follows:

The public consultation process should provide opportunities for community involvement and education. It may include interviews with individuals, public communication activities, interest group meetings, production of regular summary information and updates (i.e. newsletters), and other consultation mechanisms to encourage and facilitate active public consultation. The public consultation process (community engagement) for all parts of the EIS should be integrated.

The section should outline the methodology that would be adopted to:

- ▶ *Identify stakeholders and how their involvement was facilitated*
- ▶ *Identify the process conducted to date and the future consultation strategies and programs, including those during the operational phase of the project*
- ▶ *Indicate how consultation involvement and outcomes were integrated into the EIS process and future site activities, including opportunities for engagement and provision for feedback and action if necessary*

Provide a list of the stakeholders consulted during the program; and details of any meetings held, presentations made, and any other consultations undertaken for the EIS process.

Provide information about the consultation process that has taken place and the results.

A cross reference to the ToR are provided in Appendix A.



LEGEND

- | | | | |
|----------------------|-------------------------|----------------|------------------|
| ○ Town | — State Road | Project (Rail) | ■ Project (Mine) |
| ⚓ Major Port | — Local Road | — Rail (West) | ■ Mine (Offsite) |
| — Other Rail Network | — Watercourse | — Rail (East) | |
| — Goonyella System | — Local Government Area | | |
| — Newlands System | | | |

Based on or contains data provided by the State of QLD (DERM) [2010]. In consideration of the State permitting use of this data you acknowledge and agree that the State gives no warranty in relation to the data (including accuracy, reliability, completeness, currency or suitability) and accepts no liability (including without limitation, liability in negligence) for any loss, damage or costs (including consequential damage) relating to any use of the data. Data must not be used for marketing or be used in breach of the privacy laws.

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0 10 20 30 40 50
Kilometres

Map Projection: Universal Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia (GDA)
Grid: Map Grid of Australia 1994, Zone 55



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Carmichael Coal Mine and Rail Project

Project Location

Job Number	41-25215
Revision	L
Date	28-08-2012

Figure: 1-1

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Level 4, 201 Charlotte St Brisbane QLD 4000 T +61 7 3316 3000 F +61 7 3316 3333 E bnemail@ghd.com W www.ghd.com

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Data Sources: © Commonwealth of Australia (Geoscience Australia); Town, Railways, Watercourses (2007); DERM: LGA, (2011), Hillshade (2009); DMR: State Roads (2008); Gassman/Hyder: Mine (Offsite) (2012); DME: EPC1690 (2010), EPC1080 (2011); Adani: Alignment Opt9 Rev3 (2012). Created by: BW, JVC



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2. Consultation Process

2.1 Aim and Objectives

The overall aim of the consultation program was to inform stakeholders and the broader community of the Project, actively seek their involvement in the environmental impact assessment, and report back on how this input was considered in the Project's outcomes.

This aim was supported by four objectives:

1. Establish an open two-way flow of information, designed to meet community, government and the Proponent's requirements in achieving a transparent, meaningful and appropriate consultation process.
2. Communication of detailed project information, in an easy to interpret, community friendly format.
3. Enable opportunities for local and regional communities, and other stakeholders to identify issues, impacts and possible mitigation measures to be documented for consideration as part of the EIS.
4. Build community understanding and support of the EIS process.

2.2 Consultation Plan

In accordance with Part A, Section 7 of the ToR, a Consultation Plan was developed to guide effective and timely delivery of EIS consultation activities. The Plan identified:

- The types of activities to be undertaken
- Timing of activities
- Key stakeholder and community representatives
- Integration with other EIS activities and the project development process
- Consultation responsibilities
- Communication protocols
- Reporting and feedback arrangements

The Draft Consultation Plan was reviewed and approved by Adani prior to public consultation activities being undertaken. The Draft Consultation Plan was also submitted to Queensland Government's Social Impact Assessment Unit (SIAU) for review and comment. The scope of the Consultation Plan excluded other 'non EIS' communication that may be developed and implemented independently by the Proponent, for example:

- Project positioning
- Public relations, marketing and promotion of the Project
- Media management and advertising

2.3 Consultation Approach

The consultation approach was guided by the core values and principles of the International Association of Public Participation (IAP2). IAP2 has developed a tool to define the level of public participation as a spectrum beginning with *Inform*, *Consult* and moving to *Involve*, *Collaborate* and *Empower* (Figure 2-1). The level of participation for the Carmichael Project was influenced by stakeholder groupings and varied between, *Inform*, *Consult* and *Involve*.

Figure 2-1 IAP2 Public Participation Spectrum

Carmichael Coal Mine and Rail Project EIS

←-----→

International Association for Public Participation Australasia

INCREASING LEVEL OF PUBLIC IMPACT				
INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
Public Participation Goal:	Public Participation Goal:	Public Participation Goal:	Public Participation Goal:	Public Participation Goal:
To provide the public with balanced and objective information to assist them in understanding the problems, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision-making in the hands of the public.
Promise to the Public:	Promise to the Public:	Promise to the Public:	Promise to the Public:	Promise to the Public:
We will keep You informed.	We will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for direct advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.
Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:
<ul style="list-style-type: none"> • Fact sheets • Web Sites • Open houses 	<ul style="list-style-type: none"> • Public comment • Focus groups • Surveys • Public meetings 	<ul style="list-style-type: none"> • Workshops • Deliberate polling 	<ul style="list-style-type: none"> • Citizen Advisory • Committees • Consensus building • Participatory decision-making 	<ul style="list-style-type: none"> • Citizen juries • Ballots • Delegated decisions

Stakeholders were engaged using a range of consultation and communication techniques, including face-to-face meetings, workshops and briefings, public information sessions, newsletters and web-based features.

These were supported by feedback mechanisms through which stakeholders and community members could provide comment, such as feedback forms and project-specific contact channels (1800 telephone line, email address, reply paid post).

Adani representatives participated in key consultation meetings, forums and briefings. This enabled the two-way exchange of information between the Proponent and stakeholders, and gave Adani valuable insight to stakeholder perceptions, concerns and interests.

Plate 2-1 Isaac Regional Council and Adani representatives at EIS Briefing, 24 August 2011



2.4 Stages of Consultation

The public consultation process commenced in early 2011 and had a staged approach, coinciding with key EIS milestones:

- ▶ Stage 1: EIS commencement including release of Initial Advice Statement (IAS) and Draft ToR
- ▶ Stage 2: EIS development
- ▶ Stage 3: Release of EIS
- ▶ Stage 4: Evaluation and EIS finalisation

The sequencing of consultation activities is shown in Figure 2-2. This process has continued throughout 2012. Section 3 of this report provides full details of consultation and communication methods.



Figure 2-2 EIS Consultation Stages and Timeframes

	Q1 2011	Q1 2011 – Q3 2012	Q4 2012	Q1 2013
STAGE	STAGE 1 Commencement of EIS process	STAGE 2 EIS Development	STAGE 3 Public Exhibition of EIS	STAGE 4 Evaluation and EIS Finalisation
Consultation Activities	Stakeholder identification Conduct preliminary issue/risk assessment Document review Prepare Stakeholder Consultation Plan Prepare information materials Government agency consultations	Community Information Sessions Distribution of project information materials (newsletters and information packs) Project briefings and focus group meetings Manage project telephone hotline, email address, reply paid post, and stakeholder database Respond to stakeholder comments in a timely manner Analyse stakeholder comments to inform EIS investigations SIA consultation activities	Promote Public Exhibition Period including public displays and Community Information Sessions Coordinate and manage public submissions Analyse public submissions and draft responses	Close out activities Consultation evaluation
Ongoing stakeholder consultation and monitoring of feedback				
Regulatory Deliverables	Stakeholder Consultation Plan aligns with Project ToR	Prepare Stakeholder Consultation Report for EIS	Prepare Community Feedback Report for Supplementary EIS Report	Submit Supplementary EIS Report to CG for final approval decision

2.5 Integration with Other EIS Technical Studies

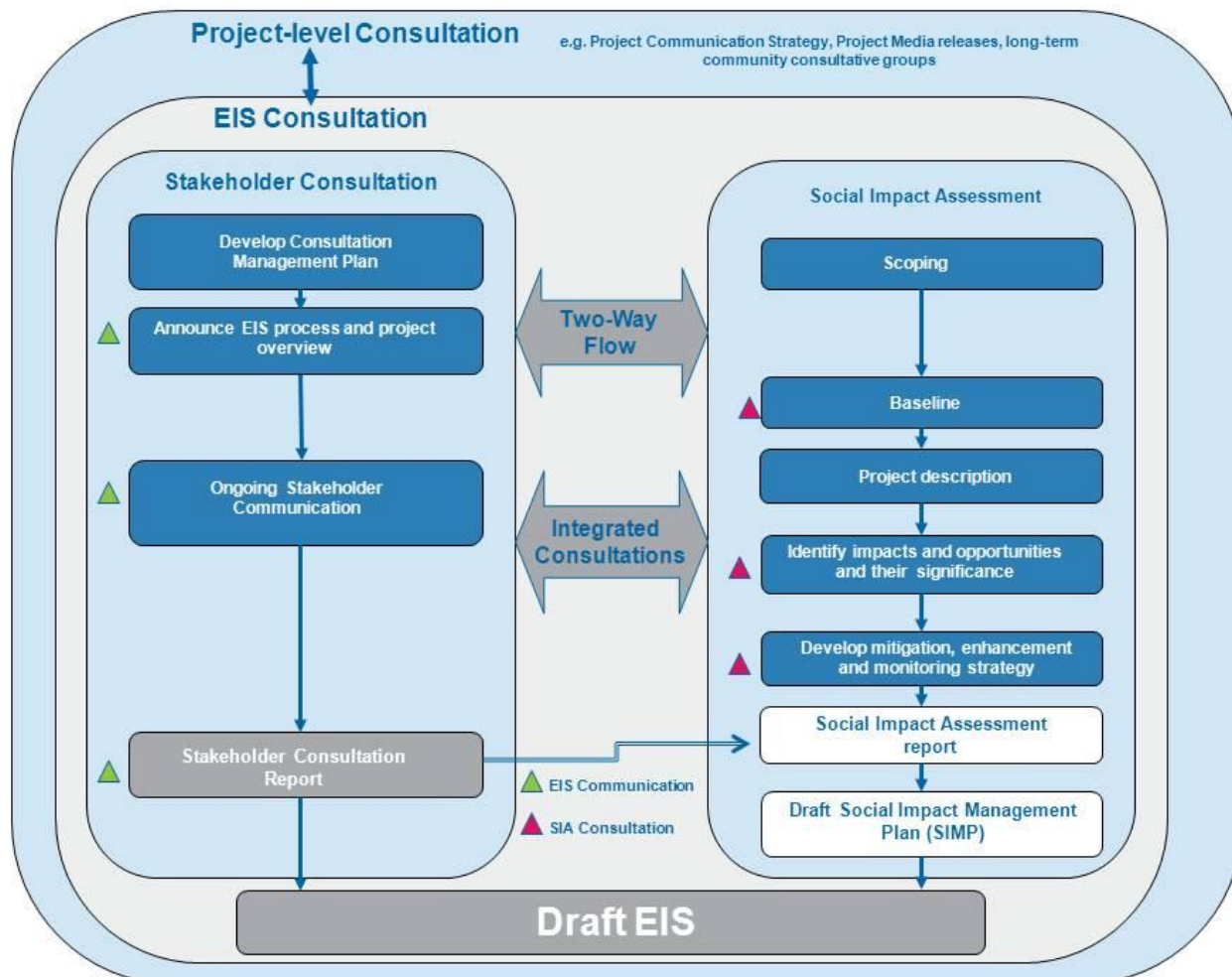
Information relating to other EIS technical studies was included in public consultation materials and activities at key stages of the process, as required.

Of particular significance to the consultation approach is integration with the Social Impact Assessment (SIA), in order to:

- ▶ Avoid potential duplication and consultation fatigue amongst stakeholders involved in both the broader EIS consultation and social research for the SIA
- ▶ Enable the EIS consultation and SIA processes help to inform each other on the basis of information gathered from stakeholders

The SIA involved targeted stakeholder consultation to inform the social baseline study, identification of impacts and development of appropriate management strategies. Figure 2-3 depicts the integration of EIS and SIA consultation processes.

Figure 2-3 Links between EIS and SIA Consultation



2.6 Project Stakeholders

A stakeholder is defined as any individual, group of individuals, organisation or political entity with an interest in the outcome of a decision. They may be, or perceive that they may be, affected directly or indirectly by the outcome of a decision¹. A preliminary stakeholder list was developed through desk-based research and analysis of existing information materials. This list was subject to ongoing refinement throughout the consultation process, with input from Adani and other project stakeholders. Stakeholders identified for the Project included federal, state and local government representatives, potentially affected landowners, local business and residents, community interest groups, industry representatives, environmental and cultural heritage groups, media and surrounding communities. A range of stakeholders were consulted with or received project-related materials during the EIS process. These are summarised in Section 3.3.

¹ International Association for Public Participation (IAP2)



Table 2-1 Key Stakeholders Consulted²

Stakeholder Category	Representatives
Federal Government	
Federal Government Departments	<ul style="list-style-type: none"> Department of Sustainability, Environment, Water, Population and Communities Great Barrier Reef Marine Park Authority Department of Infrastructure and Transport Department of Agriculture, Fisheries and Forestry
Elected Representatives	<ul style="list-style-type: none"> Kirsten Livermore - Member for Capricornia George Christensen - Member for Dawson
State Government (prior to 2012 State elections)	
Departmental Ministers	<ul style="list-style-type: none"> Anna Bligh - Queensland Premier and Minister for Reconstruction Paul Lucas - Deputy Premier and Attorney General, Minister for Local Government and Special Minister of State Andrew Fraser - Treasurer and Minister for State Development and Trade Stirling Hinchliffe - Minister for Employment, Skills and Mining Vicky Darling - Minister for Environment and Resource Management Tim Mulherin - Minister for Agriculture, Food and Regional Economies Annastacia Palaszczuk - Minister for Transport and Multicultural Affairs Stephen Robertson - Minister for Energy and Water Utilities Craig Wallace - Minister for Main Roads, Fisheries and Marine Infrastructure
State Elected Representatives	<ul style="list-style-type: none"> Tim Mulherin - Member for Mackay Shane Knuth - Member for Dalrymple Ted Malone - Member for Mirani Rosemary Menkens - Member for Burdekin
State Opposition Leaders	<ul style="list-style-type: none"> Jeff Seeney - LNP Queensland Campbell Newman - LNP Queensland
State Government Departments	<ul style="list-style-type: none"> Department of the Premier and Cabinet The Coordinator-General and Department of Employment,

² Stakeholder list prior to state and local government elections in 2012.

Stakeholder Category	Representatives
	<p>Economic Development and Innovation</p> <ul style="list-style-type: none"> Department of Environment and Resource Management Queensland Treasury Department of Transport and Main Roads Department of Communities Queensland Health Department of Community Safety Department of Education and Training Department of Emergency Services Queensland Police Service Department of Local Government and Planning
Government Owned Corporations/Organisations	<ul style="list-style-type: none"> Queensland Rail (QR) QR National (NGO)
Local Government (prior to 2012 local elections)	
Isaac Regional Council	<ul style="list-style-type: none"> Mayor: Cedric Marshall CEO: Mark Crawley Councillors Key Council Officers
Whitsunday Regional Council	<ul style="list-style-type: none"> Mayor: Mike Brunker CEO: John Finlay Councillors Key Council Officers
Charters Towers Regional Council	<ul style="list-style-type: none"> Mayor: Ben Callcott CEO: James Gott Councillors Key Council Officers
Central Highlands Regional Council	<ul style="list-style-type: none"> Key Council Officers
Mackay Regional Council	<ul style="list-style-type: none"> Key Council Officers
Townsville City Council	<ul style="list-style-type: none"> Key Council Officers

Stakeholder Category	Representatives
Local Communities	
Directly Affected Landholders	<ul style="list-style-type: none"> Landholders directly affected by rail line and mine lease area
Local Residents and Businesses	<ul style="list-style-type: none"> Clermont Moranbah Collinsville
Other Key Stakeholders	
Private Infrastructure Providers	<ul style="list-style-type: none"> North Queensland Bulk Ports Corporation Gladstone Ports Corporation
Emergency and Health Services	<ul style="list-style-type: none"> Queensland Police Service Queensland Ambulance Queensland Fire and Rescue Service Queensland Rural Fire Service State Emergency Service (SES) Moranbah Hospital and Health Service Clermont Multi-Purpose Health Service
Utility Service Providers	<ul style="list-style-type: none"> Ergon SunWater Powerlink Queensland Queensland Water Commission
Indigenous Groups and Traditional Owners	<ul style="list-style-type: none"> Wangan and Jagalingou People Jangga People Barada Barna People BBKY #4 People Central Queensland Land Council
Community, Business and Industry Groups	<ul style="list-style-type: none"> Clermont Preferred Futures Group Clermont Community and Business Group Moranbah Traders Association Moranbah Action Group Moranbah and District Support Services Corridor to Coast: Galilee Network (C2C) AgForce Queensland Australian Coal Association Queensland Resources Council



Stakeholder Category	Representatives
Environmental Groups	<ul style="list-style-type: none"> Black Throated Finch Recovery Team Mackay Conservation Group
Media	
Print	<ul style="list-style-type: none"> Mackay Daily Mercury Miner's Midweek Clermont Rag Bowen Independent
TV/Radio	<ul style="list-style-type: none"> ABC Win



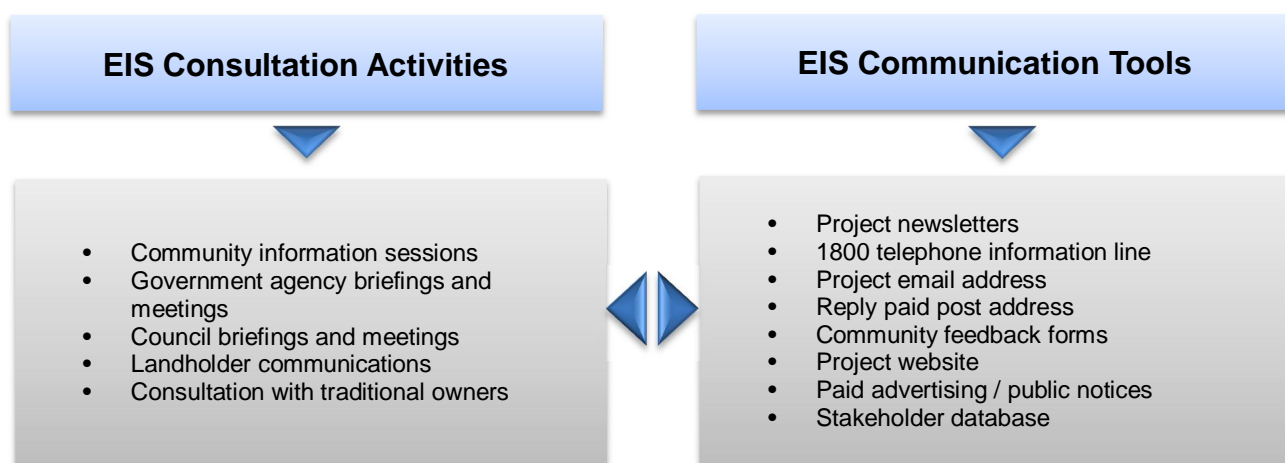
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3. How Stakeholders Were Consulted

3.1 Introduction

The consultation process to date has been undertaken over 2011 and 2012 the EIS commencement and development phases. This approach aimed to provide multiple opportunities for both targeted stakeholders and the wider community to participate and comment on the Project. Specific consultation activities and communication tools are depicted in Figure 3-1. These activities and tools are described in the following sections, and supported by consultation collateral contained in Appendices A to E.

Figure 3-1 EIS Consultation Activities and Communication Tools



3.2 Consultation Activities

3.2.1 Community Information Sessions

Two rounds of Community information sessions were held to coincide with EIS preparation milestones, as follows:

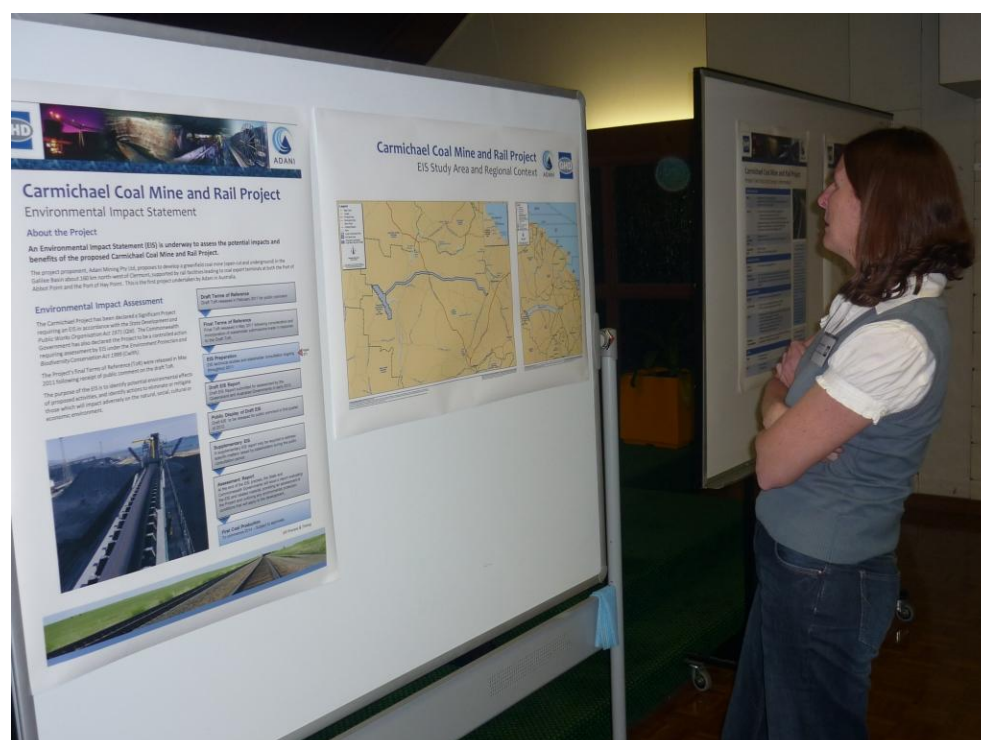
- ▀ Stage 1 – EIS commencement, including project introduction and Draft ToR (March 2011)
- ▀ Stage 2 – EIS development, including an update on preliminary technical findings (August 2011)

Community information sessions were advertised in local newspapers, Project newsletters, the Adani website, email notification to stakeholders on the Project database and letters of invitation were sent to directly affected landholders. All interested individuals and groups were invited and welcome to attend. A summary of these events is provided in Table 3-1.

Table 3-1 Summary of Community Information Sessions

Town	Venue	Date and Time	Attendance
Stage 1 (EIS Commencement and Project Introduction)			
Moranbah	Moranbah Community Centre	Tuesday 15 March 2011 3.00 pm – 7.00 pm	10
Collinsville	Coal Mining Heritage Centre	Wednesday 16 March 2011 3.00 pm – 7.00 pm	14
Stage 2 (EIS Development)			
Moranbah	Moranbah Community Centre	Tuesday 23 August 2011 1.00 pm – 3.00 pm	9
Moranbah	Moranbah Community Centre	Tuesday 23 August 2011 5.30 pm – 7.30 pm	8
Clermont	Isaac Regional Council Boardroom	Wednesday 24 August 2011 1.00 pm – 3.00 pm	16
Clermont	Isaac Regional Council Boardroom	Wednesday 24 August 2011 5.30 pm – 7.30 pm	10

Plate 3-1 Community Information Session in Moranbah, 23 August 2011



The format of each community information session was based on a 'walk through', where interested members of the public were greeted and directed to a GHD team member or Adani representative who was best suited to respond to their questions or issues. Project posters and study area maps were also displayed (refer Appendix B).

During the community information sessions in August 2011, daytime and evening meetings were conducted to provide participants' with greater flexibility around working and family schedules. A short power point presentation was also conducted to provide participants with updates on the Project description and preliminary findings of EIS technical studies.

All community information sessions had an 'open door' policy where interested people could enter and leave at their leisure. Participants were provided with opportunities to give feedback on the Project either verbally (with notes taken by the study team) or in writing (using email and postal submissions or feedback forms).

3.2.2 Government Agency Briefings and Meetings

In March and July 2011, government agency briefings were conducted by GHD and Adani coinciding with release of the Draft ToR. Four briefings were held in Mackay, Brisbane, Moranbah and Canberra as detailed in Table 3-2 and Table 3-3. In addition to the agency briefings below, other government consultation involved:

- ▶ Fortnightly project meetings with the Queensland Coordinator General's office, with invited delegates from other departments as necessary.
- ▶ Several EIS and SIA consultation meetings and workshops – local representatives from council and state government were invited to participate.

Additional government agency briefings are scheduled for late 2012, coinciding with release of the EIS.

Table 3-2 Summary of Agency Briefing Sessions

Location	Venue	Purpose	Date and Time	Attendance
Mackay	Quest Hotel	Multi-agency briefing	Tuesday 2 March 2011 10:00 am – 12:00 pm	11
Brisbane	63 George Street	Multi-agency briefing	Friday 4 March 2011 9:00 am – 11:00 am	16
Moranbah	Moranbah Community Centre	Multi-agency briefing	Tuesday 15 March 2011 11:30 am – 1:00 pm	12
Canberra	DSEWPac Office 33 Allara Street	Briefing to DSEWPac	7 July 2011 10.00 am – 11.30 am	7

Table 3-3 Attendance at Agency Briefing Sessions (March 2011)

Invited Stakeholders	Attended Briefing ³
Federal Government	
Department of Sustainability, Environment, Water, Population and Communities	✓
Great Barrier Reef Marine Park Authority	✗
State Government	
Queensland Treasury	✓
Department of Communities	✓
Department of Community Safety	✓
Department of Education and Training	✓
Department of Environment and Resource Management	✓
Department of Infrastructure and Planning	✓
Department of Justice and Attorney-General	✗
Department of Employment, Economic Development and Innovation	✓
Department of Premier and Cabinet	✗
Department of Transport and Main Roads	✓
Queensland Health	✓
Queensland Police Service	✗
Local Government	
Isaac Regional Council	✓
Whitsunday Regional Council	✓
Charters Towers Regional Council	✗
Mackay Regional Council	✓
Barcaldine Regional Council	✗
Central Highlands Regional Council	✗
Other Stakeholders	
QR Limited	✗
QR National	✗
North Queensland Bulk Ports Corporation	✓
Gladstone Ports Corporation	✗
Ergon Energy Corporation Limited	✗
SunWater	✗

³ (✓) Attended briefing. (✗) Declined to attend briefing.

Invited Stakeholders	Attended Briefing ³
Queensland Water Commission	x
Powerlink Queensland	x

3.2.3 Council Briefings and Meetings

Separate project briefings and meetings were held with Isaac, Whitsunday and Charters Towers Regional Councils during the EIS preparation phase. The purpose was to:

- ▶ Keep the councils updated on EIS progress
- ▶ Gain an understanding of the issues and opportunities currently facing the regions
- ▶ Identify the potential impacts, benefits and mitigation measures for the Project

Further details of the council briefings and meetings are provided in Section 5.

3.2.4 Landholder Communications

Direct communication and liaison with landholders affected by acquisition of property or easements was managed separately by Adani:

- ▶ Mr William Haseler – Adani Mining Pty Ltd, General Counsel

GHD engaged with landholders as part of the public consultation process, to ensure landholders could provide specific input to the EIS and SIA investigations.

EIS-related communications with directly affected landholders included:

- ▶ Distribution of EIS information packs and newsletters at key project milestones
- ▶ Invitations to attend community information sessions
- ▶ Invitations to participate in SIA-related consultation activities, such as landholder case studies
- ▶ Written correspondence requesting access to private property for Project investigations

3.2.5 Indigenous Consultation

The following traditional owners have been identified as having an interest in the areas of land affected by the proposed Carmichael Coal Mine and Rail Project:

- ▶ Wangan and Jagalingou People
- ▶ Jangga People
- ▶ Barada Barna People
- ▶ BBKY #4 People

During the course of 2011 and 2012, Adani engaged with each of the above groups. Consultation with traditional owners gave consideration to:

- ▶ Cultural heritage and native title rights



- ▶ The Indigenous population including their age, gender, current employment, education and training
- ▶ The identity, values, lifestyles, vitality, characteristics and aspirations of Indigenous communities
- ▶ The number of Indigenous traditional owners and their families directly and indirectly affected by the Project
- ▶ Indigenous use of the social and cultural area for forestry, fishing, recreation, business, industry, tourism and cultural use of flora and fauna
- ▶ Recruitment of Indigenous workers
- ▶ Business and economic development opportunities for Indigenous people
- ▶ Other matters of interest to Indigenous people

The Indigenous Cultural Heritage Reports are contained in Volume 2 Section 18 (Mine) and Volume 3 Section 18 (Rail), including the consultation process and findings.

3.3 Communication Tools

3.3.1 Project Newsletters

Newsletters were prepared to provide information on the Project and report on its progress. These were released at two EIS milestones:

- ▶ Newsletter 1 – Draft ToR (March 2011)
- ▶ Newsletter 2 – Final ToR and update on preliminary EIS studies (June 2011)

Newsletters were sent to key project stakeholders via direct mail-out and widely distributed via local newspapers, Adani's website, community meetings and agency briefings. Collection points were also provided at IRC offices (Moranbah and Clermont).

The initial distribution of Newsletter 1 was broad to inform the region and encourage stakeholder involvement from the outset, whereas Newsletter 2 was aimed at a more targeted audience. This approach gave those who were interested in the broader region the opportunity to continue to monitor the project through other targeted means whilst eliminating unnecessary distribution.

The newsletter distribution is detailed in Table 3-4, with full copies provided in Appendix C. Newsletters 3 and 4 are scheduled for late 2012 coinciding with release of the EIS and public notification period.

Table 3-4 Summary of Project Newsletters

Timing	EIS Milestone	Newsletter Focus	Distribution
Newsletter 1 (March 2011)	Project commencement	<ul style="list-style-type: none"> Introduction to the Project and Adani Mining Pty Ltd 	<ul style="list-style-type: none"> Direct mail-out to affected landholders and key stakeholders (approximately 80) Project website IRC offices Community meetings and agency briefings 10,000 newsletters distributed to residents in regional study area, as newspaper insert: <ul style="list-style-type: none"> Miners Midweek - 9 March 2011 (6,200 copies) Bowen Independent - 9 and 16 March 2011 (3,800 copies)
	Project description	<ul style="list-style-type: none"> Introduction to EIS process Project timeframe 	
	Release of Draft ToR	<ul style="list-style-type: none"> Promotion of community information sessions Project contact channels 	
Newsletter 2 (June 2011)	Release of final ToR	<ul style="list-style-type: none"> Ongoing public awareness raising of EIS and consultation process (targeted distribution based on established stakeholder list and communication channels) 	<ul style="list-style-type: none"> Direct mail-out to affected landholders and key stakeholders (approximately 130) Project website IRC offices Community meetings and agency briefings
	Commencement of EIS technical studies	<ul style="list-style-type: none"> Information on EIS study area for mine site and rail line (including study area map) Project's Final ToR Project timeframe Rail investigations update Mine investigations update Project contact channels 	
Newsletter 3 (scheduled late 2012)	Nearing completion of EIS technical studies	<ul style="list-style-type: none"> Progress update on EIS preparation Advance notice to raise stakeholder and community awareness of future public notification period 	<ul style="list-style-type: none"> Direct mail-out to affected landholders and key stakeholders Project website IRC offices

Timing	EIS Milestone	Newsletter Focus	Distribution
Newsletter 4 (scheduled late 2012)	Release of EIS	<ul style="list-style-type: none"> Public notification of EIS Promotion of community feedback opportunities Project contact channels. 	<ul style="list-style-type: none"> Local media Project website IRC offices Direct mail-out to key affected landholders and key stakeholders Community meetings and agency briefings

3.3.2 Project Contact Channels – Email, Free Call Telephone Line and Reply Paid Post

A project-specific email address, free call telephone information line and reply paid address were established and will be maintained for the duration of the EIS consultation process.

These provided easily accessible means of sourcing Project information, raising issues and discussing concerns about the Project. The purpose of the contact channels was to enable all questions, concerns and issues to be captured, reviewed and responded to.

Contact channels were featured in all Project information materials, the Adani website and in public advertisements. These were:

- Email: carmichael@ghd.com
- Telephone: 1800 086 640
- Post: Carmichael Coal Mine and Rail Project
Reply Paid 668, Brisbane Qld 4001

The total number of enquires received via project contact channels are shown in Table 3-5, for the period from November 2010 to July 2012. During the EIS preparation phase, it is evident that respondents have preferred to make enquiries via telephone and email, rather than by reply paid post.

Table 3-5 Utilisation of Project Contact Channels

Contact Channel	Number Received
Project email address (incoming)	27
Telephone enquiries (incoming)	17
Reply Paid Post	None received to date

3.3.3 Paid Advertising

Paid advertising in local newspapers was undertaken to inform the community about the Project and upcoming EIS consultation activities. Publication details are shown in Table 3-6. Copies of paid advertising are provided in Appendix D.

Table 3-6 Summary of Paid Advertising and Public Notices

Publication	Dates	Coverage
Stage 1 (EIS Commencement and Project Introduction)		
Miners Midweek	Wednesday 9 March 2011	Capella, Clermont, Coppabella, Dysart, Glenden, Middlemount, Moranbah, Nebo, Tieri
Bowen Independent	Wednesday 9 March 2011 Wednesday 16 March 2011	Bowen, Merinda, Gumla, Guthalungra, Scottville, Collinsville
Stage 2 (EIS Development)		
Daily Mercury	Wednesday 17 August 2011	Mackay and surrounding region
Miners Midweek	Wednesday 10 August 2011 Wednesday 17 August 2011 Wednesday 24 August 2011	Capella, Clermont, Coppabella, Dysart, Glenden, Middlemount, Moranbah, Nebo, Tieri
Clermont Rag	Friday 12 August 2011 Friday 19 August 2011	Clermont

3.3.4 Website

Adani's website provided a readily accessible portal for stakeholders to access information about the proponent, Carmichael Project, EIS process and consultation opportunities. The website is www.adanimining.com.au

The website was periodically updated as EIS preparation progressed and provided details of:

- ▶ EIS consultation activities
- ▶ Project team contact details for registration of interest and enquiries
- ▶ Links to key documentation in a downloadable PDF format:
 - initial advice statement
 - project's final ToR
 - project newsletters
 - study area map
 - community feedback form
 - public notices for community information sessions

A website snapshot is provided in Appendix D.

3.3.5 Feedback Form

A feedback form was developed for inclusion in project newsletters and uploaded to Adani's website to facilitate written feedback from stakeholders for the duration of the EIS consultation process. Copies were also available at community information sessions and IRC offices.

Instructions for making public submissions were contained in all Project collateral and on Adani's website. A feedback form is contained in Appendix E.

3.3.6 Stakeholder Database

GHD maintained a secure stakeholder management database (www.consultationmanager.com.au) to record all consultations as part of the EIS consultation process. The database will be maintained from November 2010 through the completion of the EIS process into construction and operations. As the central database, the program is progressively updated and used by the project team to monitor and report enquiries, issues and team responses across all project interfaces, thus minimising risk while enhancing transparency and accountability.

3.4 Social Impact Assessment Consultation

The following consultation activities were undertaken explicitly to inform the SIA:

▀ Interviews

Interviews were conducted with representatives from the Isaac, Charters Towers, Whitsunday, Mackay and Central Highlands Regional Councils, and Townsville City Council. The purpose of the interviews was to collect and validate data required to:

- Develop social baseline studies for the local, district and regional study areas
- Inform impact identification
- Develop management strategies and monitoring programs

▀ Workshops

Workshops were conducted with key service providers across the regional study area to identify and validate baseline data, inform impact identification and develop appropriate management strategies and monitoring programs.

▀ Landholder Case Studies

All potentially affected landholders were invited to participate in case studies to inform development of the baseline study for the local study area.

▀ SIA Unit Meetings

The SIA team met with Department of Employment, Economic Development and Innovation's (DEEDI now the Department of State Development, Infrastructure and Planning (DSDIP)) Social Impact Assessment Unit (SIAU) at key milestones throughout the SIA process to report on the progress of SIA investigations and obtain SIAU's input to the method, findings and development of management strategies.

▀ Workshops for the Draft SIA Report and Draft Social Impact Management Plan (SIMP)

- Community and stakeholder workshops were conducted for input to SIMP preparation
- The SIA and SIMP will be released for comment as part of EIS public exhibition

Key SIA consultation activities are summarised below. Volume 1 Section 6 contains the SIA and SIMP Reports, including full details of the SIA-related consultation and findings.

Table 3-7 Summary of SIA Consultation

Timing	Stakeholders	Purpose/Outcome
March 2011	SIAU	SIAU Milestone Meeting #1 - Confirmation of SIA scope, method and social and cultural area of influence
March 2011	Isaac Regional Council	Initial discussion on SIA methodology
June 2011	Isaac Regional Council	SIA baseline study consultation - Meetings with IRC representatives and officers to collect, verify and interpret regional and district baseline data
June 2011	Service providers and regional stakeholders (Clermont and Moranbah)	Focus groups meetings to collect, verify and interpret regional and district baseline data
June 2011	SIAU	SIAU milestone meeting #2 - Progress update and outline initial findings of the regional baseline
November 2011	Isaac Regional Council	Meetings with IRC representatives and officers in Moranbah and Clermont for impact identification in the regional and district study area
November 2011	Service providers and regional stakeholders (Clermont and Moranbah)	Focus groups for impact identification in the regional study area and initial discussions regarding potential management and mitigation strategies
November 2011	Landholders	Landholder case studies for baseline and impact identification in the local study area
December 2011	SIACAR group	Presentation to the SIA Cross Agency Reference Group
December 2011 – July 2012	Traditional owners	Cultural Heritage Management Plan (CHMP) - SIA engagement with TO groups and representatives
February 2012	Isaac Regional Council Charters Towers Regional Council	Progress meetings to inform SIA and SIMP (management and monitoring)
July 2012	Service Providers, stakeholders and councils within the regional study area	Progress meetings to inform SIA and SIMP (management and monitoring) in Townsville, Emerald, Clermont, Moranbah, Mackay, Charters Towers and Brisbane



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4. Major Themes of the Consultation Process

4.1 Introduction

During the consultation program, participants identified a range of potential social, environmental and economic impacts and benefits of the Project. Although feedback has differed between localities and stakeholder groups, a number of consistent themes emerged, as follows:

- ▶ Local business and employment benefits
- ▶ Housing and accommodation
- ▶ Workforce supply
- ▶ Fly-in/ fly-out out operations
- ▶ Environment
- ▶ Shared use rail corridors
- ▶ Life in mining towns
- ▶ Roads and safety

Each theme is summarised below as expressed by stakeholders at consultation sessions. This summary is intended as a high-level snapshot of community/stakeholder perceptions in response to the proposed mine and rail line, and not a technical assessment of impact or benefit. Furthermore, the themes are not presented according to any particular priority order or ranking.

4.2 Local Business and Employment Benefits

Stakeholders strongly support Project-related economic benefits for the Isaac Region. New opportunities for local business and employment were frequently raised as positive outcomes, including:

- ▶ Support and development for local business and industry, through securing local contracts for the supply of goods and services for the Project
- ▶ Capacity building and skills development in the local labour force through apprenticeships, traineeships and skills training
- ▶ Potential for long term career pathways, particularly for young people, in a variety of roles and professions to support the Project over time
- ▶ Increased spending in local economies for the purchase and use of various services and materials
- ▶ Government revenue through taxes and royalties
- ▶ Population growth to support extra government funding for essential community services and infrastructure

During the consultation activities, a number of people sought to register their interest in the Project (i.e. for employment, contractor services, suppliers, training agencies).



4.3 Housing and Accommodation

Stakeholders commented that the Project has the potential to exacerbate regional shortages in housing and accommodation demand. Concerns were expressed regarding the escalation of local property and rental prices, particularly in Moranbah.

Stakeholders highlighted the presence of a 'two speed economy', with people not engaged in the mining sector typically earning lower incomes and disadvantaged by higher living costs.

Another key housing theme was support for Adani to have a full time local presence through:

- ▶ Incentivising some of its workforce to live locally and DIDO, including senior management
- ▶ Investment in local housing for the Project's workforce, including family living options
- ▶ Financial contribution towards affordable housing solutions to deliver whole of community benefits

There was also considerable interest in workforce accommodation for the Project, notably:

- ▶ Construction camp locations, proximity to towns and potential for anti-social behaviour impacts (primarily associated with the consumption of alcohol)
- ▶ Details of the village proposed at the mine, including some support for development of a new permanent township given the Project's 90 year lifespan

4.4 Workforce Supply

The region's workforce and skills shortage was highlighted as a critical consideration for new mining projects in the Galilee and Bowen Basins.

Stakeholders sought additional information about Adani's workforce strategy, with a particular focus on:

- ▶ Any international recruitment and cultural integration initiatives
- ▶ Measures to limit the drain from other local industries to source the Project's large workforce

Stakeholders highlighted an immediate need for workforce training programs in readiness for the Project.

4.5 Fly-in/Fly-out Operations

In respect to FIFO operations, two distinct points of view emerged amongst stakeholders:

- ▶ Opposition to a FIFO workforce due to the:
 - limited benefits it affords the local economy and social fabric.
 - workforce burnout and retention problems observed elsewhere in the mining sector across the Galilee and Bowen Basins and broader region.
- ▶ Acceptance of a FIFO workforce given the remote location of the Carmichael mine.



4.6 Environment

A number of environmental impacts were raised by stakeholders. Issues of particular concern were:

- ▶ Coal dust from the high volume of train movements proposed by Adani and potential air quality impacts on livestock, land and communities. Suggested mitigation measures included covered train wagons and coal veneering.
- ▶ Potential for the new rail formation to cause flooding and surface water impacts
- ▶ Local sightings of the black throated finch on or near EPC 1690

4.7 Shared Use Rail Corridors

There was support for Adani to link its greenfield rail line into a third party railway for access to Abbot Point coal terminal.

Some stakeholders expressed strong opposition to any additional train traffic passing through Collinsville. They advocated for a shared use line with other operators and an alignment providing for deviation of the township.

Stakeholders also called for more strategic coordination by the state government, for the multiple rail projects proposed in the region.

4.8 Life in Mining Towns

Townships in the local study area have a strong and proud community identity. Stakeholders expressed a vision for sustainable and resilient community futures, underpinned by collaboration, good economic diversity and population growth.

Several stakeholders spoke about the increasing pressures on life in mining towns, particularly:

- ▶ High living costs
- ▶ Declining housing affordability
- ▶ Ageing community infrastructure
- ▶ Declining volunteerism to support community-based clubs and organisations
- ▶ 'Rural to urban drift' of youth in search employment and education opportunities
- ▶ Impacts of FIFO and shiftwork on family life, community cohesion, social isolation and health

Many stakeholders were optimistic about the potential contribution of the Project through its long term presence in the region. They were particularly supportive of Adani investing in local towns and housing, building community capacity through skills development, utilising local business and working with the Clermont Preferred Futures Group.



4.9 Roads and Safety

Stakeholders expressed a range of concerns about the cumulative impacts of mining projects on the region's roads, including the Carmichael Project. The main concerns were:

- ▶ Increasing mine-related traffic and public safety risks for residents
- ▶ Road deterioration by heavy mining vehicles, notably on the Bowen Developmental Road and Peak Downs Highway
- ▶ New rail crossings creating increased wait times and inconvenience for the public
- ▶ Driver fatigue risks associated with a DIDO workforce
- ▶ Limited capacity of local government to keep pace with road maintenance
- ▶ Implications of remote mine location for emergency services response

4.10 Issues Summary

Table 4-1 presents the major themes and issues as identified by different communities and stakeholder groups at key consultation sessions. This information is based on feedback received from selected stakeholders (who attended the consultation sessions), and is not intended to be representative of all stakeholders listed in Table 2-1.

Table 4-1 Major Issues Identified During EIS Consultation

Locality / Stakeholder Major Themes and Issues	COMMUNITY INFORMATION SESSIONS			GOVERNMENT BRIEFINGS AND MEETINGS		
	Moranbah	Clermont	Collinsville	Local Government	State Government	Federal Government
SOCIAL						
Impacts of FIFO workforce	✓	✓		✓	✓	
Support for DIDO workforce (primarily from the Clermont district)		✓		✓		
Incentives for workforce and their families to settle in local towns	✓	✓	✓	✓	✓	
Workforce accommodation (workers' camps – construction and operation phases)	✓			✓	✓	
Increasing pressures on family life in mining communities – cost of living	✓	✓	✓	✓		
Impacts on housing affordability and availability	✓	✓		✓	✓	
Mining company investment in new housing (notably Clermont)	✓	✓		✓	✓	
Support for mining company investment in social infrastructure and programs – whole of community benefit	✓	✓		✓		
Partnering with local communities – Community Reference Groups		✓		✓		
Presence of an ex-pat workforce – cultural integration	✓			✓	✓	
Cumulative effects of projects in the wider region	✓	✓	✓	✓	✓	✓



Locality / Stakeholder Major Themes and Issues	COMMUNITY INFORMATION SESSIONS			GOVERNMENT BRIEFINGS AND MEETINGS		
	Moranbah	Clermont	Collinsville	Local Government	State Government	Federal Government
ECONOMIC						
Opportunities for local business development	✓	✓	✓	✓		
Employment opportunities for local people	✓	✓	✓	✓	✓	
Training/ apprenticeship opportunities for local people, particularly youth (community capacity building)	✓	✓	✓	✓	✓	
Regional workforce shortage	✓	✓	✓	✓	✓	
Adani's workforce supply strategy (including ex-pat workforce)	✓			✓	✓	
RAIL						
Rail line impacts on rural properties	✓			✓	✓	✓
Resource land sterilisation						✓
Support for rail line deviation of Collinsville – new line and/or increase train traffic through township opposed * (outside EIS scope)			✓			
Shared rail line options to Abbot Point	✓			✓	✓	✓
Capacity of QR's Goonyella rail line to support coal output from Carmichael mine					✓	✓



Locality / Stakeholder Major Themes and Issues	COMMUNITY INFORMATION SESSIONS			GOVERNMENT BRIEFINGS AND MEETINGS		
	Moranbah	Clermont	Collinsville	Local Government	State Government	Federal Government
Ports – capacity and infrastructure requirements				✓	✓	✓
SAFETY						
Emergency services – capacity to respond to remote mine location	✓	✓	✓	✓	✓	
Mine to have onsite medical facilities and personnel	✓	✓		✓	✓	
Road safety - increased mining traffic, road conditions, driver fatigue, rail line crossings	✓	✓	✓	✓	✓	
Mine should be serviced by own airstrip	✓	✓		✓	✓	
MINE						
Water supply for mine				✓	✓	
Power supply for mine				✓	✓	
Mine site rehabilitation		✓		✓	✓	
Drawdown of groundwater						✓



Locality / Stakeholder Major Themes and Issues	COMMUNITY INFORMATION SESSIONS			GOVERNMENT BRIEFINGS AND MEETINGS		
	Moranbah	Clermont	Collinsville	Local Government	State Government	Federal Government
ENVIRONMENT						
Environmental impact assessment process					✓	✓
Impacts on flora, fauna and ecosystems					✓	✓
Air quality impacts – notably coal dust from train wagons	✓		✓	✓		
Rail line impacts on flooding	✓	✓		✓	✓	✓
Impacts on waterways			✓	✓	✓	
Climate change impacts			✓			
Weed control			✓		✓	
Stock route impacts				✓	✓	
Project offset packages					✓	✓

5. Results of Consultation Activities

5.1 Introduction

This section presents findings of specific public consultation activities conducted from January 2011 to July 2012. This process is ongoing with further consultation to be scheduled in late 2012, including public exhibition of the EIS.

The issues raised and suggested management/mitigation measures detailed below have been reported as expressed by stakeholders at consultation sessions. They are intended as suggestions only for consideration by Adani in preparation of the EIS.

The results of the feedback received during the EIS public consultation phase were:

- ▶ Provided to Adani and utilised in project design decisions
- ▶ Utilised in the SIA and draft SIMP
- ▶ Utilised in other EIS technical studies and the Environmental Management Plan (EMP) as required

5.2 Community Information Sessions

5.2.1 Moranbah

Three community information sessions were held in Moranbah at the Moranbah Community Centre. These included one session held on Tuesday 15 March 2011 and two sessions on Tuesday 23 August 2011. A total of 27 people attended including interested residents, business operators, health sector representatives and some affected landholders.

Overall, attendees were generally neutral to positive in their response to the Project. Their questions and comments focused on specific details of the mine and rail line, local economic benefits, workforce strategy, social impacts, environmental impacts, landholder negotiations and project timing.

Table 5-1 provides an overview of the key issues and suggested management/mitigation measures expressed by the stakeholders during the community information sessions.

Table 5-1 Key Issues Raised at Moranbah Information Sessions

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Moranbah)
Local benefits	<ul style="list-style-type: none"> ▶ Local business operators expressed interest in the Project. ▶ Support for Adani to invest in local towns. Priorities are housing and workforce training. 	<ul style="list-style-type: none"> ▶ <i>Local procurement plan required.</i> ▶ <i>Important for Adani to learn from the 'mistakes' of other mining companies in the region.</i>

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Moranbah)
Housing	<ul style="list-style-type: none"> Support for Adani to construct homes in local towns for employees and their families. Difficult to attract people to relocate to mining towns. 	<ul style="list-style-type: none"> Adani to provide housing to support Carmichael Project, particularly in Clermont. Provide family living options and community facilities to attract a quality workforce.
Social impacts	<ul style="list-style-type: none"> Cumulative impacts of mining projects on Moranbah – high cost of living, pressures on family life, declining community morale. 	<ul style="list-style-type: none"> Adani to contribute towards whole of community benefits.
Mine	<ul style="list-style-type: none"> Concerns about remote location of mine. FIFO more acceptable given remote mine location. 	<ul style="list-style-type: none"> Mine and workforce need to be self-sufficient.
Rail	<ul style="list-style-type: none"> Property fragmentation impacts from rail line will reduce viability of rural operations. Support for use of shared rail corridor to Abbot Point. 	<ul style="list-style-type: none"> Landholder negotiation and compensation.
Workforce	<ul style="list-style-type: none"> Support for Adani's focus on 'whole of career' pathways. Concern about an international workforce and operating practices which may be inferior to Australian standards. 	<ul style="list-style-type: none"> Workforce strategy. Workforce training and apprenticeships, with a focus on local youth. Implementation of best practice during construction and operation phases (in accordance with Australian standards).
Workers' camps	<ul style="list-style-type: none"> Where will workers camps be located? Workers' camp at mine should be self-contained: <ul style="list-style-type: none"> Medical centre for large workforce – 'not just a doctor' Airstrip Shopping facilities Sport and recreation facilities 	<ul style="list-style-type: none"> Planning and development of self-contained workers' camp at mine.
	<ul style="list-style-type: none"> Concern about social impact of construction camps. 	<ul style="list-style-type: none"> Construction workers' camps to be: <ul style="list-style-type: none"> Temporary only Not located close to towns



Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Moranbah)
New town	<ul style="list-style-type: none"> Mixed views on need for a permanent town to support the mine. 	<ul style="list-style-type: none"> Adani to consult with IRC, State Government and community on future plans for new community. Detailed master planning required.
Road safety	<ul style="list-style-type: none"> Increased mine-related traffic on local roads. 	<ul style="list-style-type: none"> Bus-in/bus-out of workforce instead of driving.
Carmichael river	<ul style="list-style-type: none"> Concern for discharge from mine into river. 	<ul style="list-style-type: none"> Environmental controls.
Hydrology	<ul style="list-style-type: none"> Potential flooding impacts of new rail line. Cumulative impacts of multiple rail projects on local waterways in region. 	<ul style="list-style-type: none"> Rail design to minimise impacts. Shared use rail lines.

5.2.2 Clermont

Two community information sessions were held in Clermont on Wednesday 24 August 2011 at the Old Library building. A total of 26 people attended and a mix of feedback was received, both in favour of and opposed to the Project.

Participants included interested residents, business operators, community interest groups, IRC representatives, some potentially affected landholders and the Queensland Ambulance Service (QAS).

Community interest focussed on Adani's intentions to establish a genuine presence in the district, local economic benefits, workers' camps, FIFO and DIDO, road safety, encouraging the workforce to reside in Clermont and housing needs. Table 5-2 provides an overview of the key issues and potential management/mitigation measures suggested by the stakeholders during the community information sessions.

Table 5-2 Key Issues Raised at Clermont Information Sessions

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Clermont)
Local benefits	<ul style="list-style-type: none"> What investment will Adani make in the township? Where is the money going? 'Giving back' to the community is very important. Limited support from other mining companies is a source of frustration for local people. Strong interest expressed in local business opportunities associated with Project. 	<ul style="list-style-type: none"> <i>Adani to demonstrate long term commitment to the Clermont community through local investment.</i> <i>Adani to participate in the Clermont Preferred Futures Group.</i> <i>Adani to promote local procurement opportunities.</i>
Housing	<ul style="list-style-type: none"> Price escalation driven by mining industry. Lack of housing or development activity in Clermont. New housing needed. 	<ul style="list-style-type: none"> <i>Adani to provide housing to support Carmichael Project.</i>
Workforce	<ul style="list-style-type: none"> How will Adani source an adequate workforce for this Project, given current shortages? Potential workforce supply available following closure of Blair Athol Mine in the next few years. 	<ul style="list-style-type: none"> <i>Adani to promote employment opportunities to local people.</i> <i>Adani to release Workforce Plan.</i>
FIFO	<ul style="list-style-type: none"> FIFO may be acceptable for a portion of the workforce due to remote site. 	<ul style="list-style-type: none"> <i>Workforce strategy to accommodate both local residents and FIFO.</i>
DIDO and road safety	<ul style="list-style-type: none"> Driver fatigue and road safety concerns for DIDO workers. Travel distance between Clermont and mine is reasonable – some participants suggested that DIDO would be feasible. 	<ul style="list-style-type: none"> <i>Fatigue management strategies.</i> <i>Provide incentives for workers to relocate to Clermont.</i> <i>Roster system to facilitate DIDO workforce from Clermont – 7 days on/7 days off.</i>
Workers' camps	<ul style="list-style-type: none"> Workers' camp at mine site to be self-contained: <ul style="list-style-type: none"> Full-time medical personnel and facilities Airstrip Community and recreation facilities 	<ul style="list-style-type: none"> <i>Mine and workforce to be self-sufficient due to remote location.</i>

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Clermont)
New town	<ul style="list-style-type: none"> ▶ A permanent town/village near the mine may be a more suitable long term option than a temporary camp. ▶ A village would help family units stay together over several decades. ▶ New town has the potential to service more than one mining project. 	<ul style="list-style-type: none"> ▶ <i>Long term project – consider permanent community.</i> ▶ <i>Adani to collaborate with other mining companies in region to investigate new town option.</i>
Flooding	<ul style="list-style-type: none"> ▶ New rail line must have minimal flooding impacts. 	<ul style="list-style-type: none"> ▶ <i>Rail design.</i> ▶ <i>Landholders need to be consulted.</i>
Stock routes	<ul style="list-style-type: none"> ▶ Concern regarding potential for severance of stock routes in district. 	<ul style="list-style-type: none"> ▶ <i>Adani to consult with IRC, DNRM and graziers to minimise stock route impacts.</i>

5.2.3 Collinsville

One community information session was held in Collinsville on Wednesday 16 March 2011 at the Coal Mining Heritage Centre. Fourteen people attended this session, including local residents, business operators, environmental groups and a representative from Whitsunday Regional Council (WRC).

Attendees expressed a mix of viewpoints, both in favour of and opposed to the Project. Discussions focussed largely on the greenfield rail component and rail link options to Abbot Point (out of EIS scope).

Some attendees demonstrated a high level of sensitivity in response to existing rail and mining operations near Collinsville.

Table 5-3 provides an overview of the key issues and potential management/mitigation measures suggested by the stakeholders during the community information session.

Table 5-3 Key Issues Raised at Collinsville Information Session

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Collinsville)
Cumulative impacts	<ul style="list-style-type: none"> ▶ Multiple projects creating cumulative impacts on Collinsville. ▶ Mining and rail projects in region need to be better coordinated to minimise impacts. 	<ul style="list-style-type: none"> ▶ <i>State government and mining companies to develop strategic approach to projects in Galilee Basin.</i>



Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Collinsville)
Workforce	<ul style="list-style-type: none"> Local business operators expressed support for the Project, and an interest in new work opportunities. Cumulative demand of local projects has resulted in a workforce shortage - implications for Carmichael Project's workforce supply. 	<ul style="list-style-type: none"> <i>Promote local procurement opportunities.</i> <i>Training programs to prepare workforce.</i>
Rail link to Abbot Point	<ul style="list-style-type: none"> A new rail line through Collinsville is not supported due to public health, amenity and safety impacts. Existing QR line through Collinsville has no capacity for additional tonnage from Carmichael mine. 	<ul style="list-style-type: none"> <i>Mine to port access via rail line deviation of Collinsville.</i>
Mine	<ul style="list-style-type: none"> Remote mine location and implications for emergency service response times. 	<ul style="list-style-type: none"> <i>Provide onsite medical facilities and personnel.</i> <i>Industry to implement higher standards of mine safety.</i>
Air quality	<ul style="list-style-type: none"> Coal dust from train wagons impact on air quality, public health and amenity. 	<ul style="list-style-type: none"> <i>Cover wagons to reduce coal dust spillage.</i> <i>Mining industry to implement higher standards of dust control.</i>
Road safety	<ul style="list-style-type: none"> Bowen Developmental Road (Collinsville-Bowen): <ul style="list-style-type: none"> Poor road conditions due to increased mine-related traffic. Existing conditions are a barrier to access for Collinsville residents - impacts on lifestyle, mobility and safety. 	<ul style="list-style-type: none"> <i>Financial contribution by mining sector for road maintenance.</i>

Theme	Issues Raised	Community Suggestions for Management/Mitigation Measures (as expressed by stakeholders in Collinsville)
Hydrology	<ul style="list-style-type: none"> Existing impacts from mines on waterways and downstream catchment, including drainage into wetlands and Great Barrier Reef Marine Park. Holding dams on some existing mine sites are located too close to waterways. Opposed to creek diversions as part of Carmichael mine and rail operations. Discharge into local waterways - pollution/water quality impacts on community health. Aquatic fauna impacts. 	<ul style="list-style-type: none"> Apply lessons learned from previous projects to reduce environmental impacts of Carmichael Project. Government to require stronger environmental regulation for existing and future projects.
Climate change	<ul style="list-style-type: none"> Climate change impacts arising from mining projects. 	<ul style="list-style-type: none"> Mining industry to adopt more energy-efficient practices to reduce carbon footprint.
Weed control	<ul style="list-style-type: none"> Weed proliferation is a problem in the region. 	<ul style="list-style-type: none"> Weed control measures to be a requirement of the Carmichael Project.

5.3 Meeting with Regional Councils

5.3.1 Isaac Regional Council

GHD and Adani representatives met with IRC Councillors and officers on Tuesday 23 August 2011. Table 5.4 contains a list of key issues raised by council. IRC also received project updates at EIS milestones and attended the agency briefing session in Moranbah on Tuesday 15 March 2011.

Table 5-4 provides an overview of the key issues and potential management/mitigation measures suggested by the IRC in relation to the Project.

Table 5-4 Key Issues Raised by Isaac Regional Council

Theme	Issues Raised	Council Suggested Management/Mitigation Measures (as expressed by IRC representatives)
Local benefits	<ul style="list-style-type: none"> What benefits will the Carmichael Project bring to Clermont and broader Isaac Region for local business, employment and housing? 	<ul style="list-style-type: none"> Important for Adani to demonstrate local opportunities across whole supply chain - use local people and business wherever possible.

Theme	Issues Raised	Council Suggested Management/Mitigation Measures (as expressed by IRC representatives)
Clermont community futures strategy	<ul style="list-style-type: none"> ▶ Clermont has evolved as a strong and resilient community, with a clear vision driven by community champions and groups (not just council). ▶ Clermont is a 'well established and socially mature community'. 	<ul style="list-style-type: none"> ▶ <i>Opportunity for Adani to participate in the Community Futures Program – IRC suggested this as an action for the SIMP.</i>
Housing	<ul style="list-style-type: none"> ▶ Provide family focus and minimise impacts on family life. ▶ IRC has identified sufficient residential zoned land to support future town expansion in Clermont (15 year supply). 	<ul style="list-style-type: none"> ▶ <i>Housing in Clermont is the preferred solution</i> ▶ <i>Support housing with other initiatives e.g. bus station.</i> ▶ <i>IRC's new planning scheme will continue to support growth associated with region's mining industry.</i>
Workforce	<ul style="list-style-type: none"> ▶ 100% FIFO is not supported by IRC: <ul style="list-style-type: none"> ○ FIFO not sustainable. ○ IRC officers commented that two years was the typical time limit for FIFO workers (with families) to 'burn-out' and look at alternative options to reside locally. (Note: comment based on officers' observations of FIFO operations, not published research). 	<ul style="list-style-type: none"> ▶ <i>Implement strategies to support workforce retention.</i> ▶ <i>Be flexible with workforce.</i> ▶ <i>Long term project – workforce strategy must cater for different stages of career development over time.</i>
Roads	<ul style="list-style-type: none"> ▶ Wait time at rail crossings – high level of community sensitivity likely. ▶ Road maintenance is an increasing burden on IRC from mining projects. ▶ Potential for small proportion of workforce to travel by road from Charters Towers. 	<ul style="list-style-type: none"> ▶ <i>Minimise wait times at rail crossings – grade separated crossings preferred.</i>
Carmichael River	<ul style="list-style-type: none"> ▶ Is a diversion of the river planned? ▶ The Carmichael River has unique springs in mine lease area. 	<ul style="list-style-type: none"> ▶ <i>Appropriate buffers required.</i>
Mine safety	<ul style="list-style-type: none"> ▶ Concern that local emergency services are under-resourced to respond to Carmichael Project. 	<ul style="list-style-type: none"> ▶ <i>Direct consultation with emergency services is required.</i>
Air quality	<ul style="list-style-type: none"> ▶ Coal dust impacts. 	<ul style="list-style-type: none"> ▶ <i>Cover train wagons.</i>

5.3.2 Whitsunday Regional Council

GHD and Adani representatives met with WRC's Chief Executive Officer on Thursday 17 March 2011 to provide a project briefing – salient points raised are listed in Table 5.5. WRC also received project updates at EIS milestones and several council officers attended the agency briefing session in Mackay on Tuesday 2 March 2011.

Table 5-5 provides an overview of the key issues and potential management/mitigation measures suggested by the WRC in relation to the Project.

Table 5-5 Key Issues Raised by Whitsunday Regional Council

Theme	Issues Raised	Council Suggested Management/Mitigation Measures (as expressed by WRC representatives)
Shared rail lines	<ul style="list-style-type: none"> WRC supports one rail corridor to Abbot Point to service mining operations in the Galilee. 	<ul style="list-style-type: none"> Adani to make shared use of third party line.
Workforce	<ul style="list-style-type: none"> WRC supports locally based workforce. Good capacity for future urban growth in Cannonvale, Proserpine and Bowen to support Project workforce. 	<ul style="list-style-type: none"> Consider basing families in the Whitsundays and working on the Carmichael Project (via FIFO).
Training	<ul style="list-style-type: none"> WRC supports a workforce training model to engage local residents, notably youth in Bowen. Opportunity to use existing TAFE facilities in Cannonvale and Bowen - good capacity available. Opportunity for school-based training programs. 	<ul style="list-style-type: none"> Adani to consider establishing training facilities and programs in Whitsunday Region to support the Project.
Economic benefits	<ul style="list-style-type: none"> Challenging economic times for business in the Whitsunday Region. 	<ul style="list-style-type: none"> Spread employment and economic benefits of the Carmichael Project across a wide geographic area.

5.3.3 Charters Towers Regional Council

GHD provided a project briefing to the Community Development Officer at Charters Towers Regional Council (CTRC) in September 2011. Issues identified by CTRC are contained in Table 5.6 – council representatives did not suggest any impact management/mitigation measures.

CTRC also received project updates at EIS milestones and was invited to the agency briefing sessions in March 2011, but declined to attend.

Table 5-6 Key Issues Raised by Charters Towers Regional Council

Theme	Issues Raised
Location	<ul style="list-style-type: none"> ▶ The Project is likely to have limited impact or benefit on Charters Towers due to: <ul style="list-style-type: none"> – The remote location of the mine – Closer proximity of mine and rail to district service centres in the Isaac Region
Workforce	<ul style="list-style-type: none"> ▶ There is some (albeit limited) potential for a workforce and service providers to be based in Charters Towers, and access to the mine via Gregory Developmental Road.
Cumulative impacts	<ul style="list-style-type: none"> ▶ CTRC is monitoring the cumulative impacts of several other proposals across the region, notably the CopperString Project (proposal to construct a transmission line from the coast near Townsville to Mount Isa and connect the North West Mineral Province with the National Electricity Market).

5.3.4 Mackay, Townsville and Central Highlands

In 2012, the extent of the regional study area as defined by the SIA was expanded from the Isaac and Charters Towers Regions, to include the local government areas (LGAs) of Whitsunday Region, Mackay Region, Townsville City and Central Highlands Region.

In mid 2012, local government representatives in all six LGAs were consulted to inform SIA and SIMP preparation. Volume 1 Section 6 contains the SIA and SIMP Reports, including full details of the SIA-related consultation and findings.

5.4 Agency Briefings

5.4.1 Mackay, Brisbane and Moranbah

As noted in Section 3.2.2, three agency briefings were held in Mackay, Brisbane and Moranbah in March 2011. Thirty nine people participated in the briefings, including state and local government representatives. As the briefings occurred in the initial phase of the EIS, discussions focussed on the project description, rather than impact identification or mitigation.

Key issues raised are summarised in Table 5-7, Table 5-8 and Table 5-9.

Table 5-7 Key Issues Raised at Mackay Agency Briefing

Theme	Issues Raised
EIS scope	<ul style="list-style-type: none"> Stakeholders requested clarification of EIS scope for mine and rail components, including links to QR's Goonyella system south of Moranbah (to Port of Hay Point – Dudgeon Point expansion), and a third party line north (to Port of Abbot Point). Noted that development and upgrades of the Goonyella line are being investigated by QR and the third party line north is covered under a separate EIS. Port development is outside the Project scope and is subject to a separate EIS.
Water supply	<ul style="list-style-type: none"> Stakeholders requested an explanation of: <ul style="list-style-type: none"> Water supply needs at mine Potential to transport and export coal unwashed Potential for a water pipeline to follow the rail alignment Discussions are occurring between Adani and SunWater regarding supply but groundwater resources for construction will need to be considered.
Construction materials	<ul style="list-style-type: none"> To be sourced locally as much as possible Suitable areas for borrow pits and quarries still to be determined through geological and geotechnical investigations
Workforce	<ul style="list-style-type: none"> Stakeholders requested information on: <ul style="list-style-type: none"> Proposed accommodation arrangements for mine and rail workers Proposed FIFO arrangements and provision of an airstrip at the mine
Cumulative impacts	<ul style="list-style-type: none"> General discussion around cumulative projects, competition for resources, unknowns and uncertainty as to which projects will eventuate and which not.
Transport	<ul style="list-style-type: none"> Investigation into whether fuel for the mine can be transported using rail rather than road?

Table 5-8 Key Issues Raised at Brisbane Agency Briefing

Theme	Issues Raised
Shared rail lines	<ul style="list-style-type: none"> Stakeholders requested information on the progress of discussions between Adani, QR, Hancock and Waratah regarding use of shared lines. Duplication provides some flexibility but rail of different gauges can be problematic Single corridor is ideal and provides some efficiency, but two corridors to service would be better from a risk basis. Third party access - programme and timing issues.
Good quality agricultural land	<ul style="list-style-type: none"> Strategic cropping land not thought to be present within rail corridor.



Theme	Issues Raised
Housing	<ul style="list-style-type: none"> Workers' camp proposed on mine site which would require FIFO. Potential to develop residential housing in Clermont and other areas to provide local opportunities. Urban Development Area - Moranbah is constrained by mining leases and flood plains making further expansion difficult. Housing issues to be investigated and reported through the EIS, specifically the SIA and SIMP. Discussions ongoing with the Social Impact Assessment Unit.
Ports	<ul style="list-style-type: none"> Incoming supplies from Mackay, Townsville and Brisbane. Discussion about split of mine output to Hay Point and Abbot Point. Hay Point is preferred for start-up and as ramp-up occurs split to Port of Abbot Point
Workforce	<ul style="list-style-type: none"> Meeting participants requested for information about labour requirements need to be discussed with Skills Queensland and will be undertaken by the Adani Human Resources Manager: <ul style="list-style-type: none"> Numbers Skill sets Phasing in of numbers and skills To be reported in the SIA
Carmichael River	<ul style="list-style-type: none"> Nominal 800 m buffer, no diversion – river crossing. Other lesser creeks will require diversion.
Economic Issues	<ul style="list-style-type: none"> Large volumes of steaming coal on market which will impact prices.

Table 5-9 Key Issues Raised at Moranbah Agency Briefing

Theme	Issues Raised
Roads	<ul style="list-style-type: none"> Elgin Moray Road - existing road conditions (standard, width, flood immunity etc) not suitable for mine access; major upgrade required.
Weed control	<ul style="list-style-type: none"> Controls required to reduce risk of weeds entering local waterways - wash down facilities for vehicles and machinery provided in Nebo and Clermont. Weed species identified in the region include <i>parkensonia</i>, <i>parthenium</i>, <i>prickly acacia</i>, <i>rubber vine</i>, <i>cactus</i> (species not specified). Weed control practices to be implemented in accordance with IRC's Weed Control Plan.



Theme	Issues Raised
Workforce	<ul style="list-style-type: none"> ▸ Cumulative demand of local projects has resulted in a workforce shortage - potential implications for Carmichael Project. ▸ Request for Adani to provide more information on international workforce recruitment. ▸ Adani representative advised that the company's focus will be recruitment of a local (Australian) workforce. International market will be considered, subject to local workforce availability.
FIFO	<ul style="list-style-type: none"> ▸ Limited support for a large FIFO workforce. ▸ Meeting participants expressed support for: <ul style="list-style-type: none"> – Workers to reside locally in Clermont or a new township near the mine. – Adani to invest in existing towns for future population growth (e.g. housing, roads, schools, social infrastructure). ▸ Driver fatigue risks identified for shift workers based in Clermont. ▸ An airstrip would be needed for direct flights into mine site during construction phase.
Workers' camps	<ul style="list-style-type: none"> ▸ More details of workers' camps need to be made available to the public. ▸ QAS asked if alcohol would be available at workers camps - unknown at this stage. ▸ Mine camp will require adequate community facilities, participation programs and support services given the large population base, remote location and social isolation.
Safety	<ul style="list-style-type: none"> ▸ QAS requested information on provision of medical services at mine site and workers camps. ▸ Mine and rail corridor are isolated - implications for emergency service response times.
Power supply	<ul style="list-style-type: none"> ▸ IRC requested information on power supply for the mine, including renewable/green energy options. ▸ Adani is liaising with Powerlink to investigate development of new power hub in the Galilee Basin, or supply from Nebo.
Water supply	<ul style="list-style-type: none"> ▸ IRC requested information on water supply arrangements for the mine.
Stock routes	<ul style="list-style-type: none"> ▸ Preserve stock route access as part of mine, road and rail planning. ▸ Coordinate stock routes with roads and level crossings where possible – Adani to consult with IRC and DNRm. ▸ Implement strategies for animal safety near rail line e.g. small holding paddocks on both sides of rail line for stock crossings.



5.4.2 Canberra

Key points raised by DSEWPaC at the briefing in Canberra on 4 July 2011 are summarised in Table 5-10.

Table 5-10 Key Issues Raised at DSEWPaC Briefing

Theme	Issues Raised
Rail line	<ul style="list-style-type: none"> Potential opportunities for Adani to connect with third party rail lines, including Hancock's Alpha line, QR's Northern Missing Link and Goonyella system to Hay Point. Confirmation of current capacities of rail lines and additional works required to support projected demand.
Groundwater (mine)	<ul style="list-style-type: none"> Potential cumulative impacts associated with drawdown of groundwater from multiple projects (both existing and proposed) in the Galilee Basin, including Carmichael. DSEWPaC asked if proponents can take a strategic approach by utilising common models and/or water monitoring methods for the region - the study team advised that there are no current models and limited data is available for the area.
Land sterilisation	<ul style="list-style-type: none"> Query regarding potential for those properties with mineral resources present to be potentially sterilised by the rail corridor. Study team advised that route selection study sought to avoid mine lease areas, however there are petroleum/gas resources that require further consideration - noted that these resources cover much of the landscape in the region.
Black Throated Finch	<ul style="list-style-type: none"> Wet and dry season surveys for the EIS have confirmed presence of the Black Throated Finch in the mine lease area. DSEWPaC require EIS reporting to provide sufficient detail on individual sightings and habitat attributes, together with habitat mapping for areas within the mine boundary, as well as adjacent and surrounding areas. Offsetting will be required and care needed to prevent fragmented offset sites. Offsets should comprise a mixture of strategies e.g. security of tenure of the offset site, contributions to research and implementation of management practices. DSEWPaC support collective offsets amongst proponents in the Galilee Basin. Consultation with Black Throated Finch Recovery Team required. Similar process required for all listed species, notably squatter pigeon and ornamental snake (amongst others).

5.5 Other Submissions

No written submissions or feedback forms were received during the public consultation period from January 2011 to July 2012.



6. Future Consultation with Stakeholders

6.1 Consultation on the EIS

Following acceptance by the Queensland Coordinator General of the EIS, the document will be placed on public exhibition for the period of six weeks (or as determined by the Coordinator General).

As part of the public exhibition period in late 2012, the GHD Consultation Team in collaboration Adani will:

- ▶ Place public notices in local newspapers to provide details about:
 - Timing of the public exhibition period
 - Locations where people can view the document, including static and staffed display points, together with web-based information
 - How to make public submissions in response to the EIS
- ▶ Provide information about the public exhibition period and submission requirements on Adani's website
- ▶ Produce and distribute a final Project newsletter to publicise release of the EIS, provide information on the public exhibition process and call for submissions
- ▶ Notify key stakeholders who are recorded on the Project's database about the EIS and review period
- ▶ Conduct agency briefings and community information sessions to present findings of the EIS.

6.2 Post EIS Public Exhibition Period

Following completion of the public exhibition period, all stakeholder and community feedback will be reviewed and addressed in the final EIS document (or supplementary report if required).

A decision by the Coordinator General about a future development of the Project will be made public via DSDIP's and Adani's websites. Adani will provide future updates about the progress and status of the Carmichael Coal Mine and Rail Project through its website.

6.3 Ongoing Consultation Activities

Plans for longer term consultation as part of the Project's construction and operational phases are included in the EMP and SIMP.

Ongoing consultation will continue throughout the life of the Project to ensure due consideration of all project-related opportunities and concerns.

The ongoing program will involve:

- ▶ Maintaining the current good relationships between Adani, landholders, traditional owners and government (at all levels)
- ▶ Establishing contact with other key stakeholders as new issues arise
- ▶ Disseminating information to, and having discussions with, stakeholders on key issues raised during the EIS assessment



- ▶ Identifying and responding to key issues and concerns of all stakeholders
- ▶ Preparing relevant documents for review by government agencies and other stakeholders
- ▶ Addressing specific concerns of various stakeholders on an ongoing basis
- ▶ Routine reporting
- ▶ SIMP related consultation and monitoring activities



Appendix A

Terms of Reference Cross Reference



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Terms of Reference Cross Reference

Terms of Reference Requirements/Section Number	Section of this Report
1.8. Public Consultation Process	
Outline methodology that would be adopted to:	Section 2
<ul style="list-style-type: none">Identify stakeholders & how their involvement was facilitated	Section 3
<ul style="list-style-type: none">Identify processes conducted to date, and future consultation strategies	Section 2, 3, 6
<ul style="list-style-type: none">Indicate how consultation & outcomes were integrated into the EIS	Section 2.5
Provide a list of stakeholders consulted & details of meetings held, presentations made, etc, and results of the consultation process	Section 6



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Appendix B

Project Display Posters

Community Information Sessions:

- March 2011
- August 2011



Carmichael Coal Mine and Rail Project

THE CARMICHAEL COAL MINE AND RAIL PROJECT

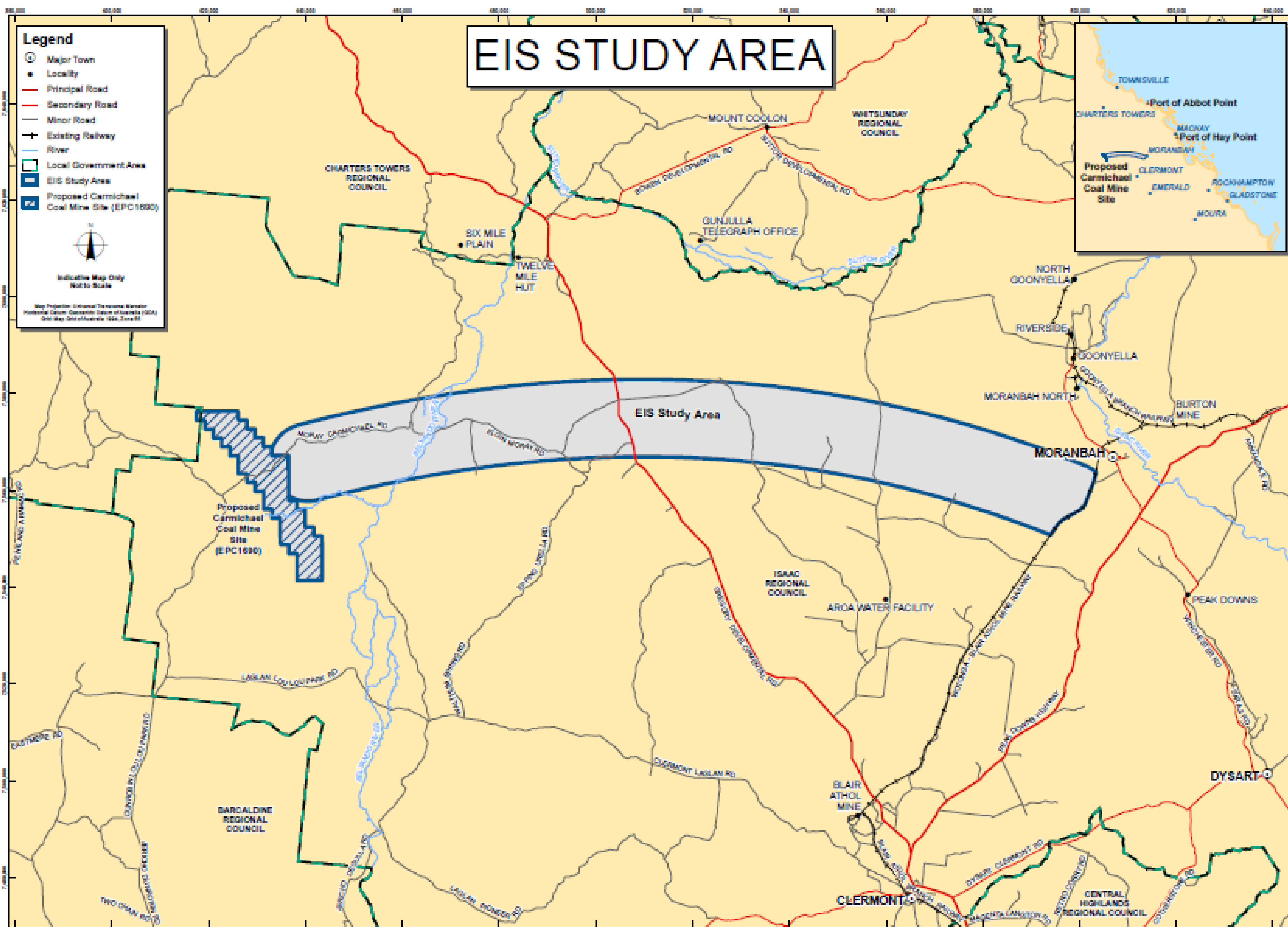
An Environmental Impact Statement (EIS) is underway to assess the potential impacts of the proposed Carmichael Coal Mine and Rail Project. The project comprises of two major components:

1. A greenfield coal mine, for both open cut and underground mining, with associated mine processing facilities; and
2. A greenfield railway line linking the mine to either, or both, the existing Goonyella rail system near Moranbah and one of the current rail proposals linking the Galilee Basin to Abbot Point.

Coal is expected to be exported through either, or both the Port of Abbot Point near Bowen, or the Port of Hay Point (Dudgeon Point). Export coal from this Project will predominantly service the international market. The project proponent is Adani Mining Pty Ltd.

As an alternative option, a stand alone rail alignment would be investigated by Adani should the currently proposed rail developments from the Galilee Basin to Abbot Point not proceed.

Port facility investigations and environmental investigations are being undertaken separately by Adani and North Queensland Bulk Ports Corporation Limited.



Key Points

- The proposed mine is expected to produce 60 million tonnes per annum of product coal at peak production.
- The project has an expected mine life of 150 years, inclusive of construction, operation and closure.
- Fully developed, Carmichael Coal Mine will be the largest coal mine in Queensland.



Carmichael Coal Mine and Rail Project

Adani

Adani Mining Pty Ltd is an Australian subsidiary of the Adani Group, a company based in Ahmedabad, India. The company has diverse interests in Power generation and transmission, port ownership and operation, coal mining and coal trading, development and operation of ports, Inland Container Terminals, establishment of Special Economic Zones, oil refining, logistics, gas distribution, and power generation, transmission and trading. The Adani Group is one of the largest and fastest growing professionally owned enterprises in India and in the global arena.

Benefits

- Fully developed, Carmichael Coal Mine will be the largest coal mine in Queensland.
- Increased employment opportunities for local and state suppliers as well as local communities.
- Benefits for the state through long term contributions to the economy and small business opportunities.
- The rail line developed expected to employ 2000 people during construction and 120 people for the rail operation.
- Mine expected to boost employment by 5000 people during construction and a permanent workforce of 4000 during peak operation.



- Ports
- SEZ
- Real Estate
- Agro
- Power
- Oil & Gas
- Logistics
- Energy
- Coal Mining
- Shipping



Carmichael Coal Mine and Rail Project

THE CARMICHAEL COAL MINE AND RAIL PROJECT

Timing

Environmental investigations for the Project are currently being undertaken and are expected to be completed by June 2011.

The draft Environmental Impact Statement (EIS) will then be finalised and published for comment by the public and other stakeholders in the third quarter of 2011. Subject to approvals, first coal production is expected in 2014.

Investigations
and Studies

June 2011

Draft EIS
Finalised

Late 2011

First Coal
Production

2014

For further information about Carmichael Coal Mine and Rail Project, please contact the project team on:

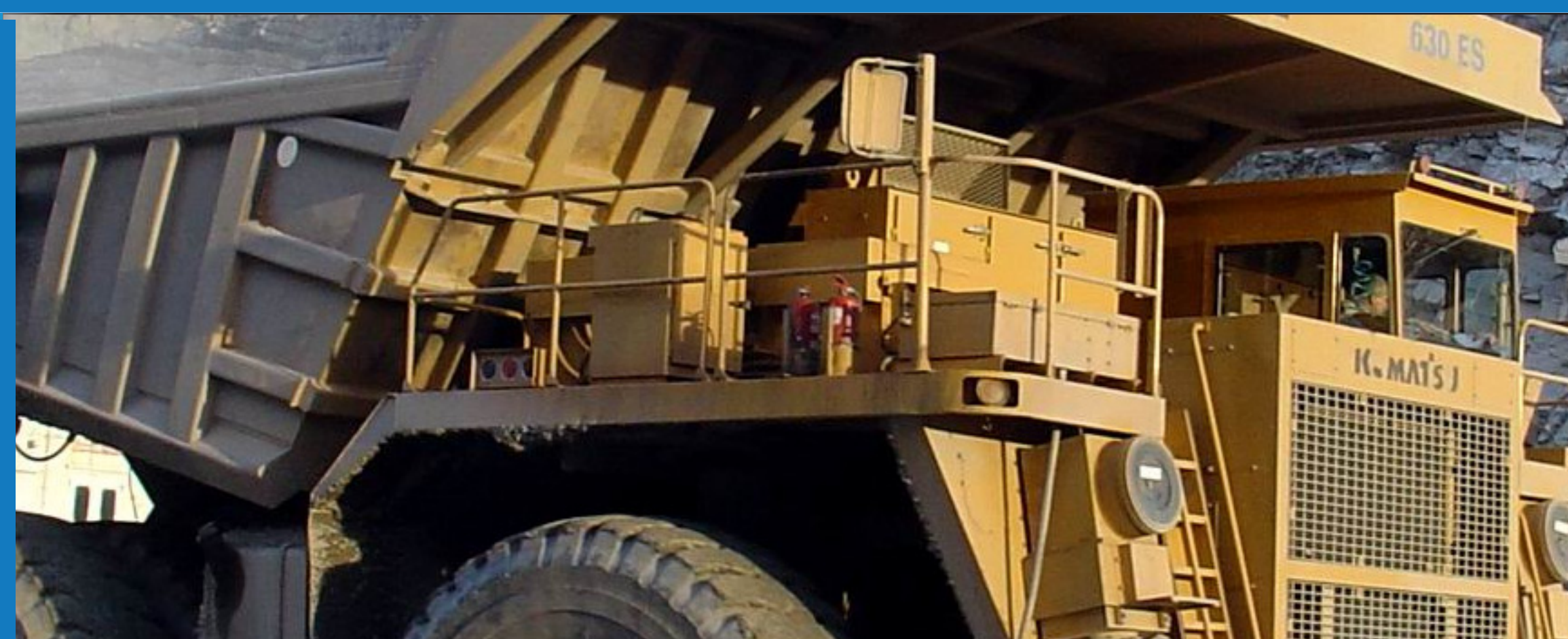
Phone: 1800 086 640*

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Reply Paid 668, Brisbane QLD 4001



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- Shipping



Carmichael Coal Mine and Rail Project

Carmichael Coal Mine and Rail Project

Environmental Impact Statement

About the Project

An Environmental Impact Statement (EIS) is underway to assess the potential impacts and benefits of the proposed Carmichael Coal Mine and Rail Project.

The project proponent, Adani Mining Pty Ltd, proposes to develop a greenfield coal mine (open-cut and underground) in the Galilee Basin about 160 km north-west of Clermont, supported by rail facilities leading to coal export terminals at both the Port of Abbot Point and the Port of Hay Point. This is the first project undertaken by Adani in Australia.

Environmental Impact Assessment

The Carmichael Project has been declared a Significant Project requiring an EIS in accordance with the *State Development and Public Works Organisation Act 1971 (Qld)*. The Commonwealth Government has also declared the Project to be a controlled action requiring assessment by EIS under the *Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)*.

The Project's final Terms of Reference (ToR) were released in May 2011 following receipt of public comment on the draft ToR.

The purpose of the EIS is to identify potential environmental effects of proposed activities, and identify actions to eliminate or mitigate those which will impact adversely on the natural, social, cultural or economic environment.



Draft Terms of Reference

Draft ToR released in February 2011 for public comment.

Final Terms of Reference

Final ToR released in May 2011 following consideration and incorporation of stakeholder submissions made in response to the Draft ToR.

EIS Preparation

EIS technical studies and stakeholder consultation ongoing throughout 2011

August 2011

Draft EIS Report

Draft EIS Report submitted for assessment by the Queensland and Australian Governments in early 2012.

Public Display of Draft EIS

Draft EIS to be released for public comment in first quarter of 2012.

Supplementary EIS

A supplementary EIS report may be required to address specific matters raised by stakeholders during the public consultation period.

Assessment Report

At the end of the EIS process, the State and Commonwealth Governments will issue a report evaluating the EIS and related material, providing an assessment of the Project and outlining any environmental protection conditions that will apply to the development.

First Coal Production

To commence 2014 – Subject to approvals.

EIS Process & Timing





Carmichael Coal Mine and Rail Project

Carmichael Coal Mine and Rail Project

Project Fast Facts and Contact Information

Project Overview

Mine	<ul style="list-style-type: none"> Galilee Basin, 160 km north west of Clermont Exploration Permit for Coal (EPC) 1690 covering approximately 26,015 ha Underground and open cut operations
Rail Line	<ul style="list-style-type: none"> 185 km of new line from mine to Moranbah, connecting to both: <ul style="list-style-type: none"> Existing Goonyella line to Port of Hay Point; and Either existing or proposed infrastructure to the Port of Abbot Point Associated rail infrastructure – rail loops, rail bridges, stock crossings, fencing Infrastructure services corridor – rail, road, water and power supply EIS study area includes 500 m wide investigation corridor
Local Government Areas	<ul style="list-style-type: none"> Isaac Regional Council Charters Towers Regional Council (less than 1% of mine lease area)
Infrastructure Cost	<ul style="list-style-type: none"> Mine - \$4.1 billion Rail Line - \$1.5 billion (excludes rolling stock)



Construction Phase

Expected Completion	<ul style="list-style-type: none"> First coal production is expected in 2014
Workforce Accommodation	<ul style="list-style-type: none"> Mine – Workers village near the mine site (during construction and operation) Rail – Likely to be three construction camps along the proposed route at the mine site, Moranbah and middle portion of corridor (approx. 500-700 people per camp)

Operational Phase

Mine Life	<ul style="list-style-type: none"> 90 years including construction, operation and closure
Coal Production	<ul style="list-style-type: none"> By 2014 – First coal production with initial output of 2 Mtpa By 2022 – At peak production total output of 60 Mtpa
Trains	<ul style="list-style-type: none"> Minimum train size is 10,000 tonne Goonyella-sized train comprising up to four locos and 120 wagons (approx. 2 km in length) 20 to 30 diesel-electric trains daily (to transport 60 Mtpa) Operations – 24 hours, 7 days a week, 365 days a year Maximum speed of 80 km per hour (with full load) Train design to reduce impacts of coal dust
Workforce Accommodation	<ul style="list-style-type: none"> Village to be constructed near mine to accommodate FIFO and DIDO workers Employment of local people residing in the district

Jobs

Mine	<ul style="list-style-type: none"> 4500 (construction) 3000 (operational)
Rail	<ul style="list-style-type: none"> 2000 (construction) 220 (operational)

Project Proponent Adani Mining Pty Ltd

Adani Mining Pty Ltd is a subsidiary of the Adani Group, an international company based in Ahmedabad, India.

The company has diverse interests in global trading, ports, inland container terminals, establishment of Special Economic Zones, oil refining, logistics, gas distribution, and power generation, transmission and trading.

Adani Group is one of the largest and fastest growing professionally owned enterprises in India and the global arena. Adani Group recently purchased the long term lease for Abbot Point Coal Terminal 1.

For More Information

Phone: 1800 086 640*

Email: carmichael@ghd.com

Post: Carmichael Project
Reply Paid 668
Brisbane Qld 4001

* Monday to Friday 8.30am - 5.00pm
Free call from land lines in Australia, charges apply for mobile phones

www.adanimining.com.au



Carmichael Coal Mine and Rail Project

EIS Studies – Preliminary Findings



EIS Technical Studies

Investigations will involve a full assessment of the potential environmental impacts of the Project. Key issues to be considered are:

- Climate and Climate Change
- Land Resources
- Terrestrial Flora and Fauna
- Water Resources
- Air Quality
- Greenhouse Gas Emissions
- Noise and Vibration
- Waste Management
- Traffic and Transport
- Cultural Heritage
- Social Impacts
- Economic Assessment
- Hazard and Risk
- Cumulative Impacts
- Environmental Management Plan

Groundwater

- EPC 1690 is located close to the boundary between the Great Artesian Basin (to the west) and the Tasman Basin (to the east) within the Burdekin Dry Tropics Region, which is a recharge source of groundwater for the Great Artesian Basin.
- Geological mapping indicates the presence of sub-artesian boreholes and springs.
- Groundwater monitoring bores are currently being installed.

Water Hydrology

- Carmichael River cuts across the southern section of EPC 1690 and flows into the Belyando River to the east of the lease (part of the Burdekin River catchment).
- A number of small ephemeral drainages also exist within the EPC.
- Large number of man-made water features (dams, stock troughs).
- Water quality monitoring is in progress across natural and man-made water features.

How will the EIS address potential impacts on water resources?

- Mine planning will protect the Carmichael River with identification of buffer zones to riparian vegetation.
- Rail design will examine overland flow paths and drainage lines to facilitate the reduction or removal of potential impacts.
- In some cases, drainage will have to be developed close to the rail line earthworks to manage the movement of water across land to mitigate potential flooding. The EIS will map and model those impacts, and develop appropriate mitigation plans.





Carmichael Coal Mine and Rail Project

EIS Studies – Preliminary Findings



Ecology - Fauna

EPBC listed threatened species predicted to occur:

- 2 reptiles / 1 mammal / 5 birds (2 identified during surveys)

EPBC migratory and marine species predicted to occur:

- 10 migratory (3 identified during surveys) / 11 marine

Ecology - Flora

Two 'Endangered' TECs (threatened ecological communities) identified as having the potential to occur on the mine site:

- 'Brigalow (*Acacia harpophylla* dominant and co-dominant)', small areas were identified during dry season survey.
- 'the community of native species dependant on natural discharge of groundwater from the Great Artesian Basin', some areas of vegetation known to occur on recharge sites for the Great Artesian Basin occur in the north west of the site but the nearest springs are over 10 km away.



Matters of National Environmental Significance

Two 'endangered' TEC's (as detailed above – Flora).

Small number of threatened species potentially in study area:

- *Acacia ramiflora* listed as vulnerable.
- Black throated finch (southern) (*Poephila cincta cincta*) listed as endangered.
- Squatter pigeon (southern) (*Geophaps scripta scripta*) listed as vulnerable.
- 10 birds listed as 'Migratory' and 'Marine', and 13 listed as 'Marine'.



How will the EIS address potential ecological impacts?

- The EIS will identify management measures to reduce, mitigate or manage potential impacts of the Project – these measures will become conditions of approval for the Project, and will have to be implemented and monitored.
- Depending on the issues and impacts identified in the EIS, environmental offsets could be considered e.g. rehabilitating degraded vegetation or developing new vegetation or habitat to replace vegetation cleared because of the Project.



Traffic and Transport (Investigations in Progress)

- Roads to be utilised during construction have not been identified at this stage.
- The EIS will include a Traffic Management Plan / Road User Management Plan identifying measures which need to be implemented during the Project's construction phase to manage any potential impacts. This Plan will specifically consider safety issues.

Safety and Emergency Services (Investigations in Progress)

- Safety is paramount – the EIS will include a risk assessment to identify potential risks, in order to reduce or eliminate the possibility of harm to people, property and the environment for the lifecycle of the Project.
- All emergency services required by law will be provided on the mine site.
- The Social Impact Assessment team will also consult with emergency services in the region.





Carmichael Coal Mine and Rail Project

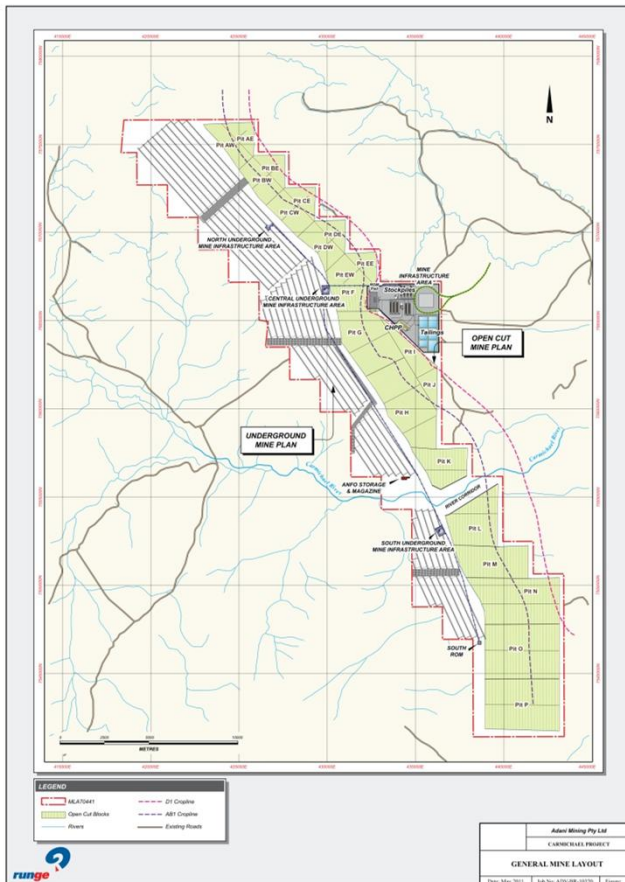
Carmichael Coal Mine and Rail Project

Mine Planning

Mine Overview

- The Galilee Basin is a significant coal field consisting of up to four principal coal seams suitable for thermal coal. It is the last undeveloped coal resource within Queensland.
- The proposed Carmichael Mine is located 160km north-west of Clermont on EPC 1690 (approx. 26,015 ha) – when fully developed it will be the largest coal mine in the State.
- The Project will be divided into an underground and open cut mining areas which avoid the Carmichael River channel.
- Expected mine life of 90 years including construction, operation and closure.
- First coal production expected by 2014 with initial output of 2 Mtpa.
- Full production expected by 2022 with total output of 60 Mtpa.

General Mine Layout Plan



Underground Mine

- Longwall operation up to 20 Mtpa.
- Surface infrastructure.
- Wastewater recycled on-site.



Open Cut Mine

- Dragline and truck-shovel operation.
- 16 pits each averaging 3km in length, across a total distance of 45km from north to south.
- Over the mine's life, pits will be mined in a staggered sequence to allow access for backfilling of the mining void as mining continues.





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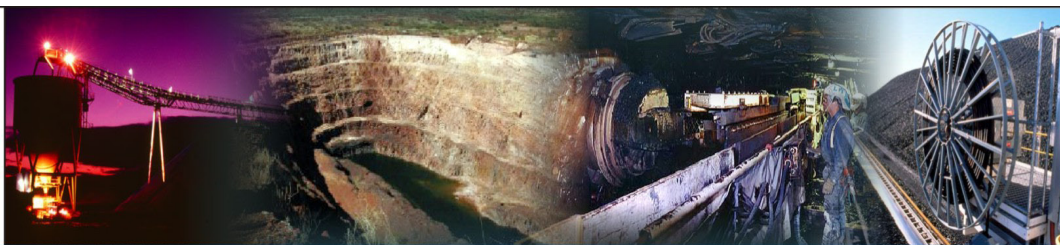


Appendix C

Project Newsletters

Newsletter 1 – March 2011

Newsletter 2 – June 2011



Carmichael Coal Mine and Rail Project

Carmichael Coal Mine and Rail Project

Factsheet 1 - March 2011

About the Project

The proposed Carmichael Coal Mine and Rail Project comprises two major components:

1. A greenfield coal mine, for both open cut and underground mining, with associated mine processing facilities; and
2. A greenfield railway line linking the mine to either, or both, the existing Goonyella rail system near Moranbah and one of the current rail proposals linking the Galilee Basin to Abbot Point.

The proposed mine is expected to produce 60 million tonnes per annum of product coal at peak production.

Coal is expected to be exported through either, or both the Port of Abbot Point or the Port of Hay Point (Dudgeon Point).

A stand alone rail alignment would be investigated by Adani should the currently proposed rail developments from the Galilee Basin to Abbot Point not proceed.

The Project has an expected mine life of 150 years, inclusive of construction, operation and closure. Export coal from this Project will predominantly service the international market. Port facility investigations and environmental assessments are being undertaken separately by Adani and North Queensland Bulk Ports Corporation Limited.



Timing

Environmental investigations for the Project are currently being undertaken and are expected to be completed by June 2011.

The draft Environmental Impact Statement (EIS) will then be finalised and published for comment by the public and other stakeholders in the third quarter of 2011. Subject to approvals, first coal production is expected in 2014.

Adani

Adani Mining Pty Ltd is an Australian subsidiary of the Adani Group, a company based in Ahmedabad, India.

The company has diverse interests in Power generation and transmission, port ownership and operation, coal mining and coal trading, development and operation of ports, Inland Container Terminals, establishment of Special Economic Zones, oil refining, logistics, gas distribution, and power generation, transmission and trading. The Adani Group is one of the largest and fastest growing professionally owned enterprises in India and in the global arena.



Investigations and studies

June 2011

Draft EIS Finalised

Late 2011

First Coal Production

2014

Approvals

The Project has been declared a Significant Project requiring an Environmental Impact Statement (EIS) in accordance with Part 4 of the *State Development and Public Works Organisation Act 1971 (Qld)*.

The Commonwealth Department of Sustainability, Environment, Water, Population and Communities (DSEWPC)

has also declared the Project to be a controlled action requiring assessment by EIS under the *Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)*.

A single EIS will be prepared for the Project and assessed by both the state and Commonwealth governments.

An EIS describes the effects of proposed activities on the natural and physical environment and people's relationship

with that environment. It considers the land, water, air, structures, living organisms, environmental values at the site, as well as the social, cultural and economic aspects of the Project. As well as describing the impacts an EIS recommends ways to mitigate them (i.e. lessen or remove the impacts).

The first stage of developing the EIS is the publication of the draft Terms of Reference (ToR) to outline the matters which the EIS must address.

The draft ToR has been prepared by the Queensland Department of Infrastructure and Planning in consultation with the DSEWPC.

It will be released on 12 February 2011 for a public comment period of six weeks. Following this time any submissions will be assessed and a final ToR published.



Benefits

When fully developed, Carmichael Coal Mine will be the largest coal mine in Queensland, reaping great benefits for the state, from the development of the mine and associated rail infrastructure through long-term contributions of royalties to our economy, employment and small business opportunities in areas surrounding the Project.

The mine is expected to employ 5000 people during construction and a permanent workforce of 4000 people to operate the mine during peak operation.

It is projected that a significant number of additional jobs will be created for local and state suppliers and contractors in combination with increased employment opportunities for local communities in the region.

The rail line development is expected to employ approximately 2000 people during construction and a permanent workforce of approximately 120 people for operation.

Community

Community input is essential at each stage of the Project to help us understand what the social, economic or environmental impacts may be, and allow us to identify appropriate ways of dealing with these in terms of mitigation, management or enhancement.

We welcome your questions and feedback. As part of the EIS, you will be able to participate through:

- **Visiting the website to read about the Project, download the draft Terms of Reference (ToR), and receive updates.**
- **Calling the Project's freecall information line if you have a concern or question, or would like to request a copy of the draft ToR: 1800 086 640***
- **Attending a community information session to meet the Project Team and ask questions.**

Community Information Sessions

	Date	Time	Venue
Session 1	Tuesday 15 March 2011	3-7pm	Moranbah Community Centre, Mills Avenue, Moranbah
Session 2	Wednesday 16 March 2011	3-7pm	Collinsville Coal Mining Heritage Centre, 17-19 Railway St, Collinsville

For further information about Carmichael Coal Mine and Rail Project, please contact the project team on:

Phone: 1800 086 640*

(Monday to Friday, 8.30am – 5.00pm)

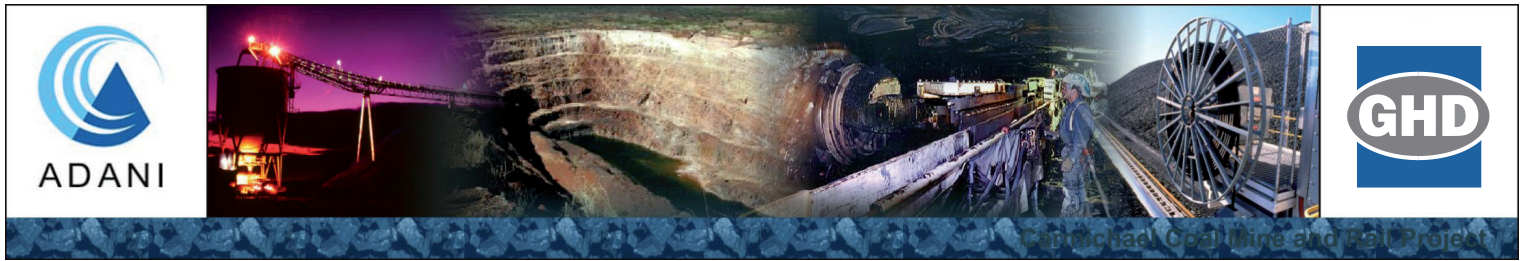
Email: carmichaeleis@ghd.com

Web: www.adanigroup.com

Mail: Carmichael Coal Mine and Rail Project
Reply Paid 668, Brisbane QLD 4001



*Free call from fixed lines in Australia, charges apply for mobile phones



Carmichael Coal Mine and Rail Project

Project Update - June 2011

An Environmental Impact Statement (EIS) is underway to assess the potential impacts and benefits of the proposed Carmichael Coal Mine and Rail Project.

Adani Mining Pty Ltd is seeking approval for the Carmichael Coal Mine and Rail Project from the Queensland and Australian Governments. Adani proposes to develop a greenfield coal mine (both open-cut and underground mines) in the Galilee Basin north-west of Clermont, supported by rail facilities to coal export terminals at Abbot Point and/or Hay Point on the central coast of Queensland.

In early 2011, Adani commenced formal environmental assessment of the Carmichael Project through preparation of an EIS.

About the Project

- The lease for the mine site is mostly located on the Moray Downs cattle station, largely within the Isaac Regional Council area about 160 km north-west of Clermont.
- The proposed mine is expected to produce 60 million tonnes per annum of product coal at peak production, with export coal predominantly servicing the Indian market.
- The Project has an expected mine life of 90 years, inclusive of construction, operation and closure.
- Coal is expected to be exported by rail to the Port of Abbot Point and/ or the Port of Hay Point.

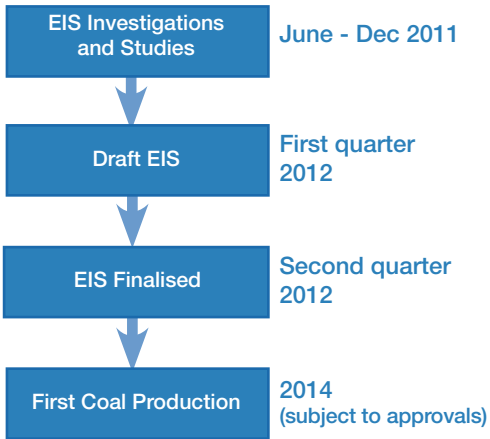
Environmental Approvals Process

- The Carmichael Project has been declared a 'Significant Project' requiring an EIS in accordance with the *State Development and Public Works Organisation Act 1971 (Qld)*.
- The Commonwealth Government has also declared the Project to be a 'Controlled Action' requiring assessment by EIS under the *Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)*.
- An EIS describes the effects of proposed activities on the natural and physical environment and people's relationship with that environment. As well as describing impacts, an EIS recommends ways to lessen or remove the impacts.

EIS Study Area - Mine and Rail



- The Draft EIS is expected to be published for public comment in the first quarter of 2012.
- Subject to approvals, first coal production is expected in 2014.



Project Terms of Reference

- The Project's Terms of Reference (ToR) set out the requirements that should be addressed by the EIS. The draft ToR for the Carmichael Project were released for public comment in February 2011.
- Following public feedback, the ToR were finalised in May 2011 and can be obtained by visiting the Coordinator General's website (<http://www.dlqp.qld.gov.au/carmichaelcoalmineandrail>) or by contacting the study team.

Rail Investigations Update

The EIS is investigating a proposed rail line from the mine site linking to one or both of the following:

- The existing Goonyella rail system near Moranbah (a distance of approximately 180 km) for access to Hay Point; and/or
- One of the current rail proposals linking the Galilee Basin to Abbot Point in the north.

A 500m wide EIS investigation corridor has been identified for the greenfield rail section (mine to Moranbah). As technical, engineering and environmental investigations progress, the corridor width will be narrowed to 60m-100m for more detailed impact assessment.

Consultation and negotiation between Adani and potentially affected landholders is ongoing, to help determine the preferred rail alignment and ways to minimise impacts on farming activities.

Environmental Investigations Update

In recent months, the study team has conducted a range of fieldwork and desktop research for the EIS, including:

- Wet season surveys of flora and fauna to identify ecological values for the rail and mine study areas.
- Surface water quality investigations at the mine site.
- Desktop environmental assessments for surface hydrology, hydrogeology and cultural heritage.



Mine planning will protect the Carmichael River with buffer zones to riparian vegetation.

Community Engagement Update

Community input is essential at each stage of the EIS to understand what the social, economic or environmental impacts may be, and help the study team to identify appropriate ways of dealing with these.

- Consultation is progressing with the landholders and Traditional Owners of the areas potentially affected by the Project.
- In March 2011, Community Information Sessions were held in Moranbah and Collinsville to introduce the EIS to the public, provide information to stakeholders, respond to questions, and seek public feedback on the draft ToR.
- More Community Information Sessions are scheduled for July/ August to provide preliminary results of EIS investigations. Dates and venues will be confirmed soon and widely publicised in local newspapers.



Next Steps

Major EIS investigations commencing in June are:

- Social Impact Assessment
- Air and noise monitoring
- Flood risk studies for both the mine and rail corridor areas
- Hydrogeological field investigations, including installation of loggers

Project Information

For further information about the Carmichael Coal Mine and Rail Project, please contact the study team:

Phone: 1800 086 640*

(Monday to Friday, 8.30am-5.00pm)

Email: carmichaeleis@ghd.com

Web: www.adanigroup.com

Mail: Carmichael Coal Mine and Rail Project
Reply Paid 668, Brisbane QLD 4001

*Free call from fixed lines in Australia, charges apply for mobile phones.



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Appendix D

Paid Advertising



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Community Information Sessions	Date	Time	Venue
Session 1	Tuesday 15 March 2011	3-7pm	Moranbah Community Centre, Mills Avenue, Moranbah
Session 2	Wednesday 16 March 2011	3-7pm	Collinsville Coal Mining Heritage Centre, 17-19 Railway St, Collinsville

For further information about Carmichael Coal Mine and Rail Project, please contact the project team on:

Phone: 1800 086 640*
(Monday to Friday, 8.30am – 5.00pm)

Email: carmichael@ghd.com
Web: www.adanigroup.com
Mail: Carmichael Coal Mine and Rail Project
 Reply Paid 668, Brisbane QLD 4001



Publication details:

Feature in Project Newsletter No.1 – 10,000 copies distributed as newspaper insert:

Miners Midweek (9 March 2011)

Bowen Independent (9 and 16 March 2011)



Carmichael Coal Mine and Rail Project

Environmental Impact Statement Community Information Sessions

Adani Mining Pty Ltd is investigating a proposal to develop a greenfield coal mine in the Galilee Basin north-west of Clermont, supported by rail facilities linking to coal export terminals at Hay Point and/or Abbott Point.

As part of the Environmental Impact Statement (EIS) for the Project, Adani invites interested people to attend a Community Information Session at a venue and time most convenient to you:

MORANBAH	Tues 23 Aug, 1pm-3pm, Moranbah Community Centre, Bachelor Pde
MORANBAH	Tues 23 Aug, 5.30pm-7.30pm, Moranbah Community Centre, Bachelor Pde
CLERMONT	Wed 24 Aug, 1pm-3pm, Clermont Old Library Building, next to Civic Centre in Daintree St
CLERMONT	Wed 24 Aug, 5.30pm-7.30pm, Clermont Old Library Building, next to Civic Centre in Daintree St

Daytime and evening Community Information Sessions will commence at 1pm and 5.30pm. Each session will include a short presentation about the Carmichael Coal Mine & Rail Project and EIS process. You will also be able to view more detailed information and maps, and ask the study team questions.

Contact the project team for more information or to be included on the mailing list for future project updates:

Phone: 1800 086 640* (Monday to Friday, 8.30am-5.00pm)
Email: carmichaeleis@ghd.com
Post: Carmichael Coal Mine & Rail Project, Reply Paid 668, Brisbane Qld 4001

* Free call from fixed lines in Australia, charges apply for mobile phones.

Publication details:

Daily Mercury (17 August 2011)

Miners Midweek (10, 17 and 24 August 2011)

Clermont Rag (12 and 19 August 2011)



Appendix E

Website Snapshot

Source: www.adanimining.com.au (January 2012)



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Adani Mining Pty Ltd

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Mine Details Location Environment Benefits Connectivity Project Fast Facts



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Carmichael Coal Mine and Rail Project

About the project

Adani Mining Pty Ltd recently acquired an Exploration Permit for Coal (EPC) and is seeking approval to develop a greenfield coal mine (both open-cut and underground mines) in the Galilee Basin north-west of Clermont in Central Queensland, supported by rail facilities to coal export terminals at Abbot Point (near Bowen) and/or Hay Point (near Mackay).

The proposed mine site is located about 160 km north-west of Clermont, which in turn is located about 100km north of the regional centre of Emerald.

The proposed rail line extends approximately 185 km from the mine to Moranbah, where it joins the existing Goonyella rail system connecting to Hay Point.

Production and life of the mine

The proposed mine is expected to produce 60 million tonnes per annum of product coal at peak production. The project has a potential mine life of 90 years, including construction, operation and closure. It is expected operations will be six pits of combined open pit and underground workings. Each pit is expected to produce 10 million tonnes per annum at peak production. The overall workable length of the mine will be approximately 45 kilometres. Export facilities at the Port of Hay Point (Dudgeon Point) via the existing Goonyella rail line are being pursued. Export coal from this project will predominantly service the Indian market.

Investment

It is anticipated the mine construction will require an investment of approximately \$4.1 billion. Railway development will require a total investment of approximately \$2 billion for rail connectivity to the Port of Hay Point.

Employment

The mine, rail and port components are expected to employ 5000 people during construction and have a permanent work force of 4000 people for operation.



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Adani Mining Pty Ltd

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Mine Details Location Environment Benefits Connectivity Project Fast Facts



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Environment

Environmental Impact Statement

- In early 2011, Adani commenced formal environmental assessment of the Carmichael Coal Mine and Rail Project through preparation of an Environmental Impact Statement (EIS), to address State and Commonwealth Government approval requirements.
- The EIS is being prepared in accordance with the Terms of Reference prepared by the Queensland Government. It will involve a range of technical investigations and stakeholder consultations to assess potential impacts of the proposed Project, and to develop appropriate management strategies.
- The Draft EIS is expected to be published for public comment in the first quarter of 2012.

Community Information

- The EIS process provides an opportunity to engage openly and transparently with communities, government agencies, interest groups, local businesses and landholders.
- We will consult with the community throughout the EIS process. Details of upcoming community consultation events will be periodically updated on this website.
- Your questions and feedback are welcomed. For further information on the EIS, please contact the study team by:

Phoning: 1800 086 640 (Monday to Friday, 8.30 am to 5.00 pm)*

Emailing: carmichaeleis@ghd.com

Writing to: Carmichael Coal Mine & Rail Project, Reply Paid 668, Brisbane Qld 4001

* Free call from fixed lines in Australia, charges apply for mobile phones.

Links

- [EIS Study Area Map](#)
- [Project Updates – March 2011](#)
- [Project Updates – June 2011](#)
- [Carmichael Coal Mine & Rail Project - FINAL Terms of Reference for the EIS \(May 2011\)](#)
- [Carmichael Coal Mine & Rail Project - Initial Advice Statement \(October 2010\)](#)
- **NEW** [EIS Community Information Sessions](#)
- **NEW** [Carmichael Coal Mine & Rail Project EIS Feedback Form](#)



Appendix F

Feedback Form





Carmichael Coal Mine and Rail Project EIS – Feedback Form

Thank you for your feedback

Fold in 3 along the dotted line, seal with tape and post (no stamp required)

Fold 2nd

No stamp required
if posted in Australia



Carmichael Coal Mine and Rail Project EIS
Reply Paid 668
Brisbane QLD 4001

Fold 1st

Please provide your contact details if you would like to be kept informed about the
Carmichael Coal Mine and Rail Project EIS

Name:
Address:
Email:
Daytime Phone:
Group Represented (if applicable):

For more information about the Carmichael Coal Mine and Rail Project:

Phone: 1800 086 840*

Email: carmichaeleis@ghd.com

Web: www.adanimining.com.au

* Monday to Friday 8.30am - 5.00pm

Free call from land lines in Australia, charges apply for mobile phones

Privacy: Adani and GHD abide by the privacy laws under which this information is provided. Information provided will not be made available to any other organisation, company or entity. By completing this Feedback Form you are providing GHD with permission to use this information for the purposes of the Carmichael Coal Mine and Rail Project Environmental Impact Statement.



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GHD

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Document Status

Rev No.	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
A	S.Oldroyd	P.Mandke K.Steele	On file	J.Keane	On file	12/12/2011
0	S Oldroyd	J Keane	On file	J Scott	On file	24/12/2011
1	S Oldroyd	J Keane	On file	J Scott	On file	20/02/2012
2	S Oldroyd	J Keane		J Keane		29/08/2012