



Port Alma Shipping Terminal

Growth, Prosperity, Community.

Port Information Handbook 2011



Contact Us

Port Alma Shipping Terminal Port Information Handbook 2010
is published by Gladstone Ports Corporation.

If you have any comments on this publication,
please contact us via telephone, fax or our website.

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The information contained in this publication was current and correct at the time of
publication. As information contained in this publication is subject to change without
notification, please contact Gladstone Ports Corporation for the latest available information.



Handbook Sections

About Us	1
Gladstone Ports Corporation	1
GPC Management	1
Contact Numbers	1
Port Information	2
Port Location	2
Port Boundaries	2
Products	2
Services and Facilities	2
Local Industries	2
Pratique	2
Bunkering	2
Maintenance	3
Road Access	3
Pilotage	3
Towage	3
VHF Radio	4
Marine Authority	4
Port Limits	4
Pilotage Limits	4
Vessel Restrictions	4
Tides	4
Channel Depths	4
Port Service Providers	4
Berth Facilities	5
Number 1 Berth	5
Number 2 Berth	5
Number 3 Berth	5
Equipment	6
Forklift	6
Fire Protection and Prevention Equipment	6
Oil Spillage Equipment	6
Storage Facilities	7
Bulk Store No.1 - Dry Shed Storage	7
Container Terminals	7
Lot 96 on the Bajool Port Alma Road	7
Road to Rail Interchange - Bajool Railway Siding	8
Ammonium Nitrate and Explosives Information	9
Allowable Limits	9
Benefit to the Customer	10
Road to Rail Link	10
Port Contacts	11
Customs	11
Emergency Services	11
Department of Environment and Resource Management (DERM) – formerly EPA	11
GPC Contacts	11
Regional Harbour Master	11
Maritime Safety	12
Pilotage	12
Quarantine	12
Appendix A – Drawings	13
Appendix B – Aerial Photos	17

About Us

Gladstone Ports Corporation

On 13 March 2008, Central Queensland Ports Authority was renamed the Gladstone Ports Corporation (GPC). On 1 July 2008, GPC converted to a Company Government Owned Corporation (GOC), constituted under the provision of the *Government Owned Corporations Act 1993* (GOC Act), and became Gladstone Ports Corporation Limited as part of the process. Port Alma also assumed a new trading name, Port Alma Shipping Terminal.

On 1 November 2009, pursuant to the *Government Owned Corporations (Bundaberg Port) Regulation 2009*, the Port of Bundaberg was transferred to and became a business unit of GPC.

GPC's vision is to ensure the Port of Gladstone, the Port Alma Shipping Terminal and the Port of Bundaberg operate effectively, efficiently and on a commercial basis for the continuing benefit of the Central Queensland community, port users and the State of Queensland.

GPC play an integral role in planning the future of the ports. In consultation with the community, industry and government, GPC undertake a strategic approach to planning, setting the vision and direction for the Port of Gladstone, the Port Alma Shipping Terminal and the Port of Bundaberg for both the long and short term.

GPC Management

<i>Leo Zussino</i>	Chief Executive Officer
<i>Michael Galt</i>	Commercial General Manager
<i>Ian Drury</i>	Port Planning and Development General Manager
<i>Mark Greenaway</i>	Project General Manager
<i>Craig Walker</i>	Port Operations General Manager
<i>Emma Kirkby</i>	Corporate Relations General Manager

Contact Numbers

Port Alma Shipping Terminal

Port Alma Office:

Col Munro

Port Manager – Port Alma

Bajool – Port Alma Road via Bajool 4699

Queensland Australia

Telephone: 07 4934 6931

Fax: 07 4934 6928

Mobile: 0418 799 386

Rockhampton Office:

Marj Titmarsh

Administration Clerk – Port Alma

1st Floor, 130 Victoria Parade

Rockhampton 4700 Queensland Australia

Telephone: 07 4927 2133

Fax: 07 4922 2605

Gladstone Ports Corporation – Port of Gladstone

40 Goondoon Street (PO Box 259)

Gladstone 4680 Queensland Australia

Telephone: 07 4976 1333

Fax: 07 4972 3045

Web: www.gpcl.com.au

If contacting GPC from outside of Australia, please add 61 to the start of both telephone and fax numbers, and remove the zero (0) from the 07.

Port Information

Port Location

Port Alma Shipping Terminal is located 62km east of Rockhampton on the southern tip of the Fitzroy River delta, with storage land totalling 140ha for the facility.

Port Alma is a natural deep water harbour offering security and shelter. It can accommodate vessels of up to 180 metres in length.

Port Boundaries

The Port of Rockhampton is defined by the line joining Shell Point to Cattle Point to Arch Rock to Cape Keppel. Please see the Rockhampton Port Limits Plan.

As a general statement the Regional Harbour Master, Captain Mike Lutze, representing Queensland Transport, Division of Maritime Safety, controls the movement of vessels within the Port area, whilst the allocation of berths and moorings is controlled by Gladstone Ports Corporation.

Products

The Port currently imports ammonium nitrate, explosives, petroleum products, general and break bulk cargoes. Exports include ammonium nitrate, tallow, explosives, general and break bulk cargoes.

Services and Facilities

The Port has 3 berths, two for general cargo and one dolphin berth for handling of bulk liquids. Berths are supported by infrastructure suitable for handling containers of dry and refrigerated cargo.

Storage lands totalling 140 hectares are available away from the Port at Bajool, approximately 20 kilometres from the Port towards the Bruce highway.

Details on the services and facilities are given in other sections of this handbook.

Local Industries

Local industries include coal mining, flour milling, salt production, meat and meat products processing, manufacturing and the production of timber, lime, explosives and cement.

Pratique

Port Alma is a gazetted first port of entry for overseas vessels. Full quarantine and customs facilities are available when required. There is a quarantine anchorage at Sea Hill point on the approach Channel.

Fumigation services for both ships and cargo are provided by private firms based at Rockhampton and under the control of the Australian Quarantine and Inspection Service.

The hours of pratique are 24 hours per day, seven days per week.

Bunkering

Bunker fuel oil and diesel are available by road tanker in limited quantities by prior arrangements with the ship's agents.

Maintenance

General engineering services are available for minor repairs and maintenance by arrangement through the Port Manager and the Shipping Agent.

Road Access

The port is served by road access via a Main Road which meets the Bruce Highway at Bajool approximately 26 kilometres from Port Alma.

Pilotage

1.0 Request for Pilot:

The requirements of the *Transport Operations (Marine Safety) Regulation 2004* shall be observed for all bookings. Maritime Safety Queensland provides a pilotage service for ship arrivals, departures and removals. Pilot transfers are carried out by pilot launch.

Requests for pilotage services are described in Queensland Shipping Information Planning System (QSHIPS) booking Procedures with MSQ Gladstone.

1.1 Notice Required:

Ships requiring the services of a pilot at Port Alma are required to submit Arrival, Removal and Departure notices no less than the indicated number of hours prior to the desired movement:

Arrivals	48 hours
Removals	24 hours
Departures	24 hours

Initial notification should be made via the QSHIPS on the Queensland Transport web site.

2.0 Pilot Boarding Position

The pilot boarding ground is located in position: 23°-24.4'S - 151°-0.9'E

Ships should make their way to the pilot boarding ground as advised by Gladstone Harbour Control prior to embarking their pilot.

3.0 Pilot Boarding Arrangements

Pilot transfer instructions will be advised to the ship prior to the pilot boarding by "Gladstone Harbour Control". The instructions may include:

- Pilot boarding time;
- Restrictions/requirements (by the Regional Harbour Master);
- Boarding position; and
- Desired course and speed to conduct the transfer.

Ships are to be at the pilot boarding ground at the notified time of pilot boarding, with all preparations for boarding completed in accordance with the instructions in this Section. Ships should be underway, proceeding at 6 knots and providing a good lee. The pilot ladder is to be rigged 1.5m above the water, with two manropes and a heaving line standing by. At night, a forward facing light is required to illuminate the ladder in full compliance with IMO Res A667 (16) and IMPA recommendations.

Towage

There are no tugboats stationed in the port as towage is not normally required. Towage is available upon request.

VHF Radio

Gladstone Ports Corporation Port Alma Office maintains a continuous VHF watch (whilst shipping movements are underway) on channel 06.

Gladstone Harbour Control maintains a continuous VHF watch on channels 16, 13 and 82 (all hours).

Call sign is "Gladstone Harbour Control"

Marine Authority

The maritime authority for Port Alma is represented by:

Captain Mike Lutze, Regional Harbour Master

Maritime Safety Queensland

Marine Operations (Gladstone)

Level 2, 136 Goondoon Street (PO Box 123)

Gladstone 4680 Queensland Australia

Telephone: 07 4973 1200

Fax: 07 4972 5520

Port Limits

See Chart on page 15

Pilotage Limits

See Maritime Safety Queensland Port Procedures Manual – Port Alma.

Vessel Restrictions

The maximum Length Overall (LOA) of vessels arriving at the port is typically 180 metres depending on vessel capability.

Vessels less than 165m - No restrictions

Vessels 165 – 173m - On individual merits.

Vessels 173 – 180m - Bow thrusters plus individual merits.

Vessels greater than 180m – with approval by RHM Gladstone

Tides

The mean spring tide range is 3.8 metres and the mean neap tide range is 1.7 metres.

Channel Depths

Depths as follows: **All depths LAT**

- | | |
|-------------------------------|------------|
| • Balaclava Leads (Sea Reach) | 7.6 metres |
| • Kazatch Point Leads | 7.0 metres |
| • Eupatoria Point Leads | 7.9 metres |
| • Shell Point Leads | 7.0 metres |
| • Swing Basin | 5.8 metres |
| • Port Alma Berths | 9.2 metres |

Minimum Under Keel Clearance: 0.7 metres in Channel, 0.5 metres in Swing Basin, 0.5 metres in Berth

Port Service Providers

Provedores, Stevedores and Ship Surveyors are available at Port Alma. Please contact your shipping agent who will advise of the companies available.

Berth Facilities

Number 1 Berth

Has a concrete deck 18.5 metres wide and 169 metres long (554 feet) constructed to take a super-imposed weight of 2.73 tonnes per square metre (5 hundredweight per square foot). This berth is suitable for all general cargo, including frozen meats and other meatworks products. There is a mooring Dolphin situated north of the berth to accommodate mooring lines from vessels required to moor over the north end of the berth.

Number 2 Berth

Has a concrete deck 18.5 metres wide and is 122 metres long (400 feet), constructed to take a super-imposed weight of 3.83 tonnes per square metre (7 hundredweight per square foot).

There is a Mooring Dolphin situated 49 metres (160 feet) south of this berth, which can safely accommodate mooring lines from vessels required to moor over the south end of the berth. This berth is in a continuous line with Number 1 Berth, to provide 291 metres (954 feet) of mooring space plus the above mentioned Dolphins at either end.

Number 3 Berth

Consists of four (4) Berthing Dolphins in line with Numbers 1 and 2 Berths with Mooring Dolphins at both ends to give an overall length of 238 metres (780 feet). It is normal practice to place head lines on the south end of Number 2 Berth from larger vessels using the Dolphin Berth. There is a distance of 49 metres (160 feet) between the south end of Number 2 Berth and the Mooring Dolphin. All Dolphins are of concrete construction. This berth is currently used for loading tallow.

BERTH	DISTANCE FROM FAIRWAY BUOY (km)	WHARF OWNER AND/OR OPERATOR	LENGTH OF BERTH (metres)	NOMINAL DEPTH AT LAT (metres)	EQUIPMENT AND FACILITIES	WHARF USE
Berth 1	24	GPC	169	9.2	General storage shed (48m x 12m)	General cargo
Berth 2	24	GPC	122	9.2		General cargo Containers
Berth 3	24	GPC	238	9.2	Bulk loading facility	Tallow Petroleum products

Equipment

Forklift

A Hyster 3 tonne forklift is available for hire.

Fire Protection and Prevention Equipment

Fire protection and prevention equipment is available to meet requirements for dangerous cargo handling.

Oil Spillage Equipment

A floating boom and oil absorbent pads are available to deal with minor oil spills.

Storage Facilities

Bulk Store No.1 - Dry Shed Storage

The Bulk Store No.1 shed is adjacent to Number 1 Berth and is available to shippers by prior arrangement. It is a steel portal frame warehouse which is constructed on the floor of the wharf structure. The walls are non-flammable metal. It has metal clad walls on steel frame with double roller doors to the northern and southern ends of the building. The western wall has continuous sliding doors. A sliding metal door is situated at the centre of the east wall giving an opening of 6 metres. The shed provides a gross floor area of approximately 540 square metres (i.e. 47 x 11.5 m).



The Bulk Store No.1 viewed from the amenities building (south east).

Container Terminals

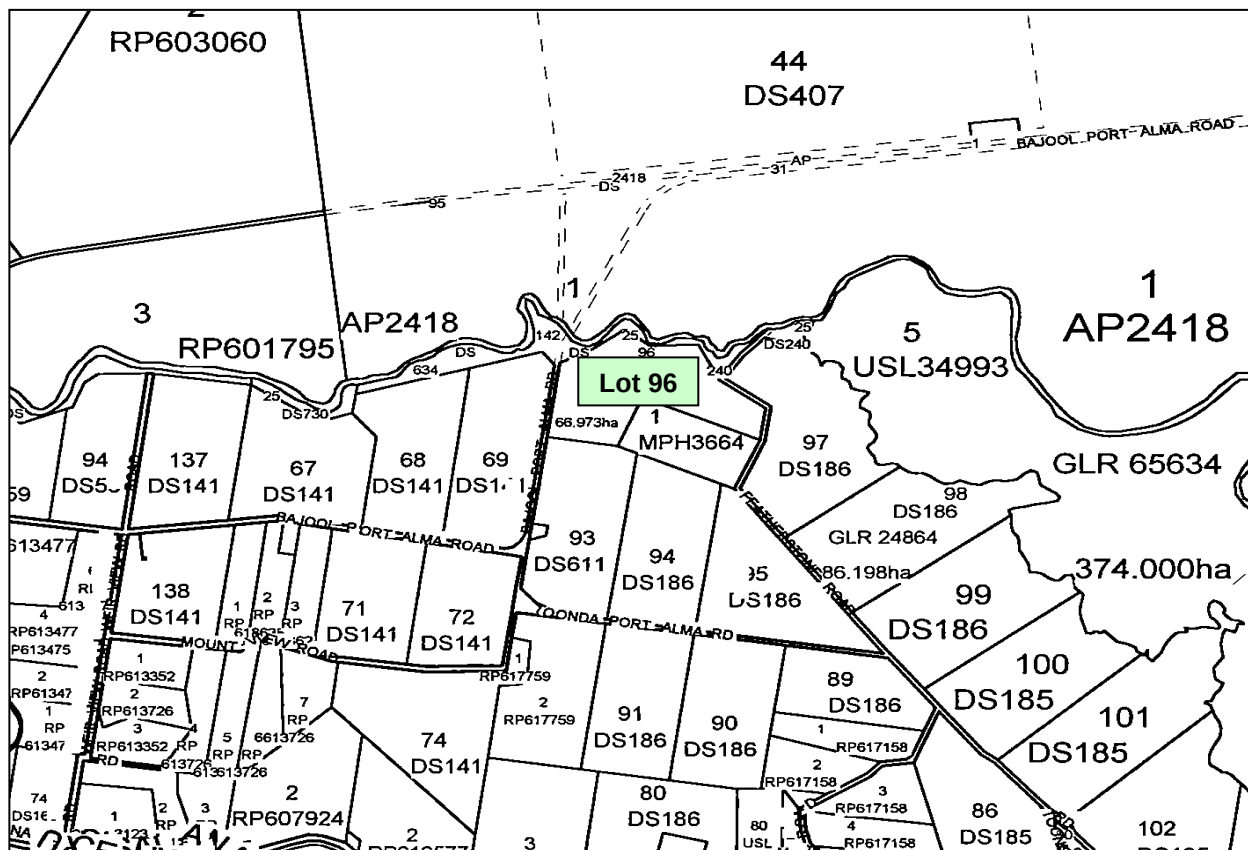
GPC has container yards available for use subject to prior arrangements. The Yards are suitable for both dry cargo and refrigerated cargo containers. Concrete pads have been designed to take containers stacked two high and electrical connection points are adjacent to each pad.

The terminal is serviced by road (not rail) and has full security fencing, flood lights for night operation, office space and telephone facilities. Power outlets are available in Container Yard No.2. Twelve (12) power outlets are available in Container Yard No.1, although more outlets can be arranged with appropriate temporary electrical reticulation.

Lot 96 on the Bajool Port Alma Road

GPC owns Lot 96 on the Bajool-Port Alma Road, as shown on the plan of the area. Lot 96 is situated approximately six kilometres east of Bajool. The lot is approximately 20 kilometres from Port Alma and is available as storage lands subject to prior arrangement.

Lot 96 covers a total area of 67 hectares. Direct access from the Bajool - Port Alma road makes this land attractive for port cargo processing and storage.



Road to Rail Interchange - Bajool Railway Siding

Although Port Alma does not have rail facilities, a Queensland Rail siding is conveniently located at Bajool, approximately 26kms from the port. This facility offers rail distribution to all points Australia wide without the need to cross the busy Bruce Highway. Use is subject to agreement by Queensland Rail.

Ammonium Nitrate and Explosives Information

Port Alma can handle large quantities of ammonium nitrate (Class 5.1 under the IMDG Code) and explosives (Class 1) compared with other ports.

The following information provides an overview only of facilities and requirements. Port Users should refer to GPC's Notices for details.

Allowable Limits

Explosive limits are based on the use of Australian Standard 3846 – The handling and transport of dangerous cargoes in ports areas – 2005 in conjunction with the Explosives Regulations 2003.

Port Alma Berth 1 and 2 are the approved berths for all explosives and SSAN handling.

The 35kPa overpressure area (as shown by the red circle on the attached aerial photos in Appendix B titled "Port Alma Special Berths – SSAN" and "Port Alma Special Berths – Class 1 Explosives") is a restricted zone accessible only to those personnel actively engaged in the safe and secure movement, handling and transport of the product.

Examples of evacuation distances from berths 1 and 2 are detailed in the tables below for both SSAN and Class 1 Explosives.

Port Limits for Security Sensitive Ammonium Nitrate (SSAN):

Berth Limits (tonnes) – Personnel Evacuation at 35kPa Distances (metres radius)		
Berth No. 1 and 2		
AN	**8000	15000
	725 (m)	1306 (m)
Emulsions	1500	
	563 (m)	

Up to **8000 tonnes of SSAN as a working limit may be handled at the port over berths 1 and 2.

The Rockhampton Port Authority Notice No.7 dated 30 June 2003 contains details where this limit may be increased to 15000t, however GPC approval is required.

SSAN includes DG Class 5.1 UN No's 1942, 2067 and DG Class 9 UN No.2071 and DG Class 5.1 Ammonium Nitrate Emulsions UN No.3375 and CAN (Calcium AN) only whether containerised products or not. Some of the products in the containers may be bagged or bulk items.

Port Limits for Class 1 Explosives:

Berth Limits (tonnes NEQ) – Personnel Evacuation at 35kPa Distances (metres radius)	
Berth No. 1 and 2	
Class 1 Explosives	1500 (t)
	606 (m)

Up to **1500 tonnes of Class 1 explosives working limit may be handled over berths 1 and 2 at the port, however prior approval of the GPC is required.

For approvals and any variation to the above, please contact:

Mr Col Munro
Port Manager – Port Alma
Gladstone Ports Corporation
Telephone: +61 7 4934 6931
Mobile: 0418 799 386

Port Alma offers a very cost effective port facility for these cargoes. Not surprisingly, special procedures apply including, for example, restricted access to the wharf area and 24 hour fire prevention and detection services.

It is very important that Port Users, Shippers and Agents consult with GPC prior to such shipments, particularly if such persons have not used Port Alma previously. GPC welcomes the opportunity to accommodate special requirements or review procedures and limits, but it is stressed that considerable lead time can be required.

Benefit to the Customer

This capacity to handle these quantities of ammonium nitrate and explosives is amongst the highest in Australia and therefore provides an appropriate corridor for the import or export of these cargoes. The Queensland Government Magazine is located at Bajool, only 26 kilometres from the port. Destinations for Ammonium nitrate cargoes are typically throughout Queensland for mining purposes, while explosives have been transported overland as far as Victoria and Western Australia.

Road to Rail Link

While a rail link does not extend to the port itself, both ammonium nitrate and explosives have been successfully transferred from road to rail at Bajool, approximately 26 kilometres from the port. Up to 4,500 tonnes of ammonium nitrate from one shipment have been transferred to rail and complete train loads of explosives destined for other States have become regular practice. Please note that Queensland Rail approval is required in advance.

Port Contacts

Customs

Australian Customs Service – Gladstone
Telephone: 07 4976 3600

Emergency Services

Ambulance / Fire / Police
Telephone: 000

Department of Environment and Resource Management (DERM) – formerly EPA

DERM Hotline
Telephone: 1300 130 372

GPC Contacts

Environmental Superintendent
Telephone: 07 4976 1258

Port Security Superintendent
Telephone: 07 4976 1279

Health, Safety, Environment and Security Manager
Telephone: 07 4976 1253

After Hours Hotline
Telephone: 1800 063 408

Regional Harbour Master

**Maritime Safety Queensland
Marine Operations Gladstone**
Telephone: 07 4973 1200

VTS Officer (24 hours)
Telephone: 07 4973 1208

Ship Scheduler (24 hours)
Telephone: 07 4973 1226

Maritime Safety

Australian Maritime Safety Authority – Gladstone

Telephone: 07 4972 9045

Pilotage

Pilotage Services Division

Maritime Safety Queensland

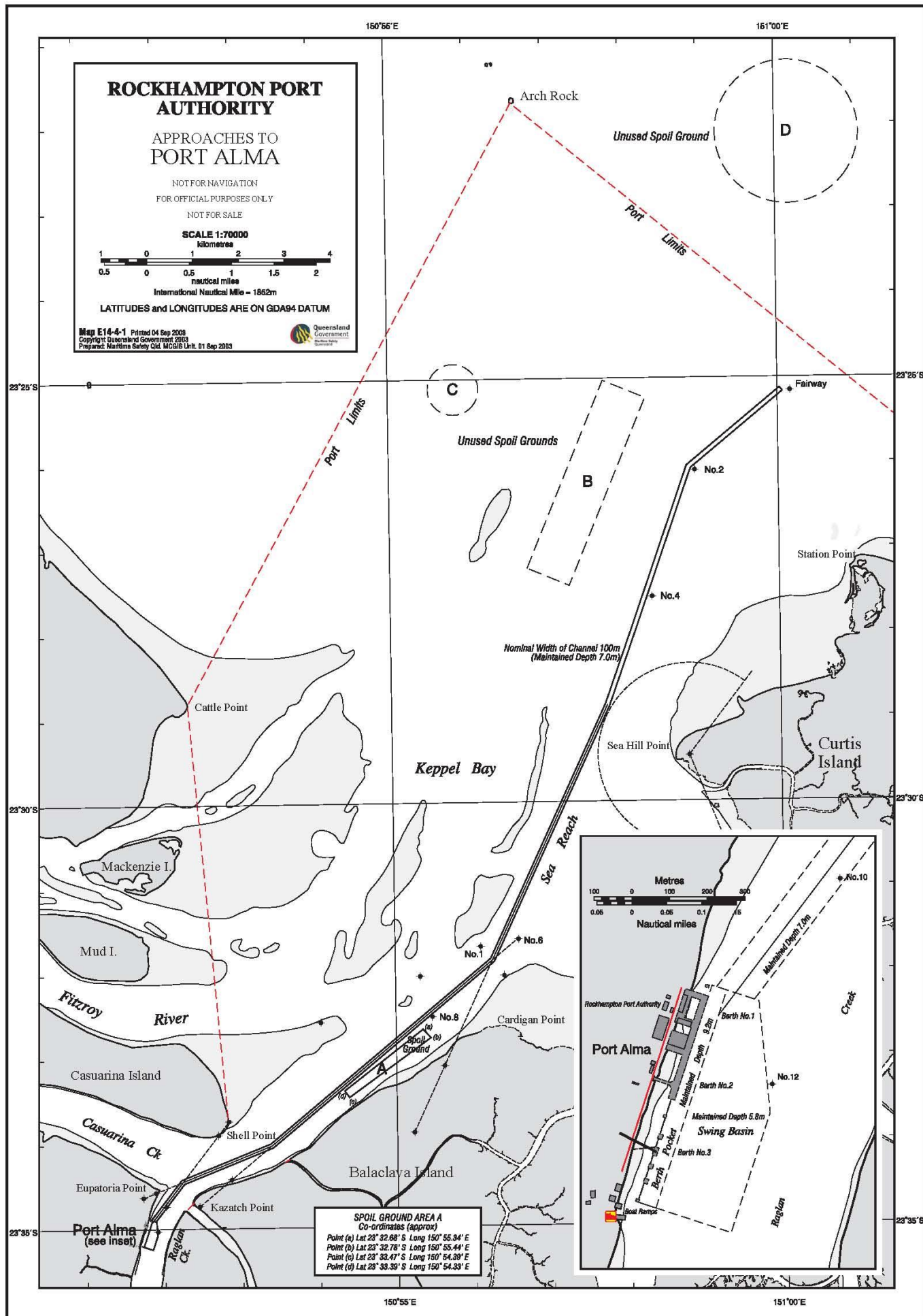
Telephone: 4976 8201

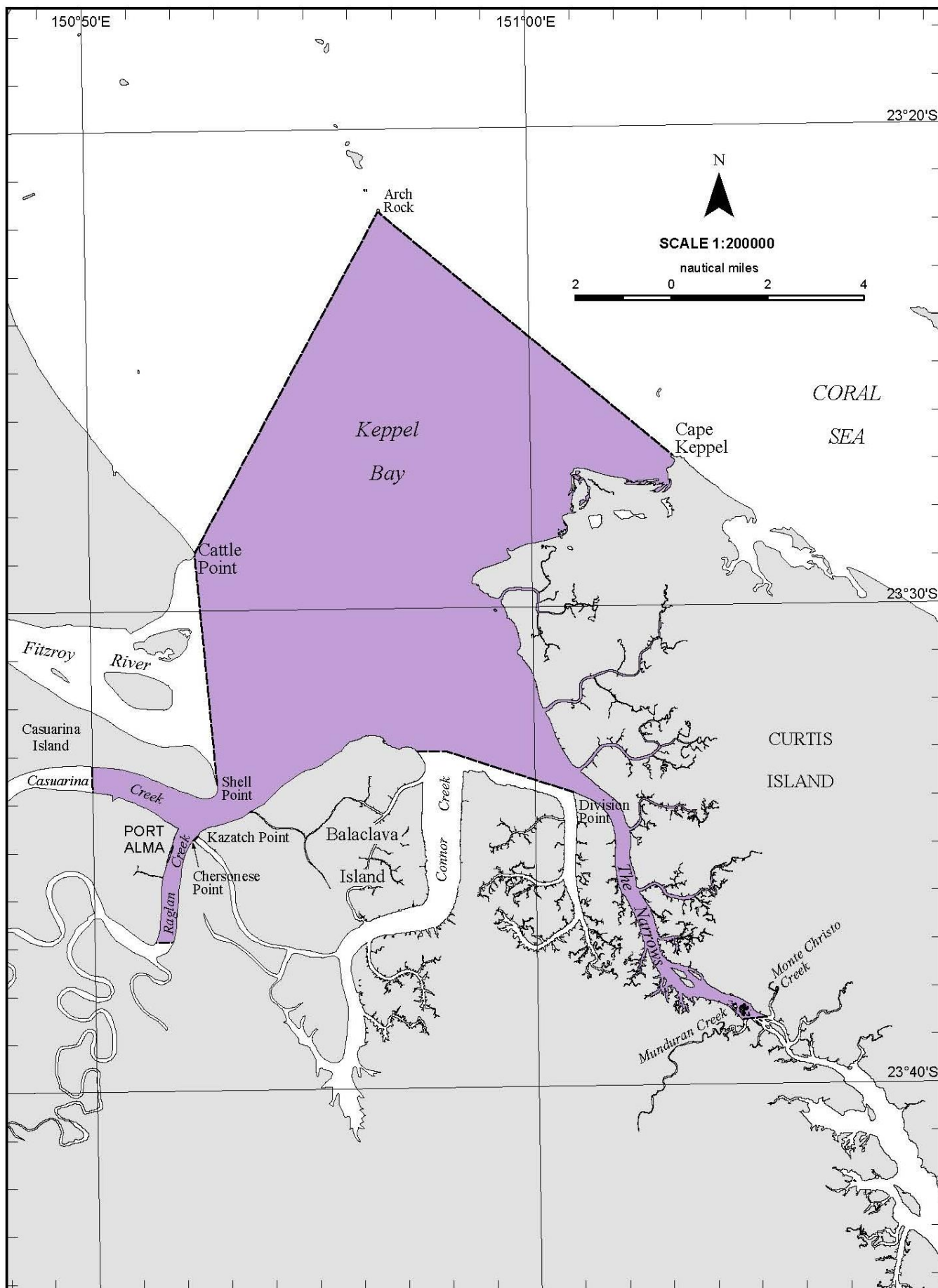
Quarantine

Australian Quarantine and Inspection Service (AQIS) – Gladstone

Telephone: 07 4972 0038

Appendix A – Drawings





Map Datum: GDA94

Map S8po-6-1

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 Prepared: 4 Aug 2008
 Maritime Safety Qld - Spatial Services

ROCKHAMPTON PORT LIMITS

Transport Infrastructure (Ports) Regulation 2005

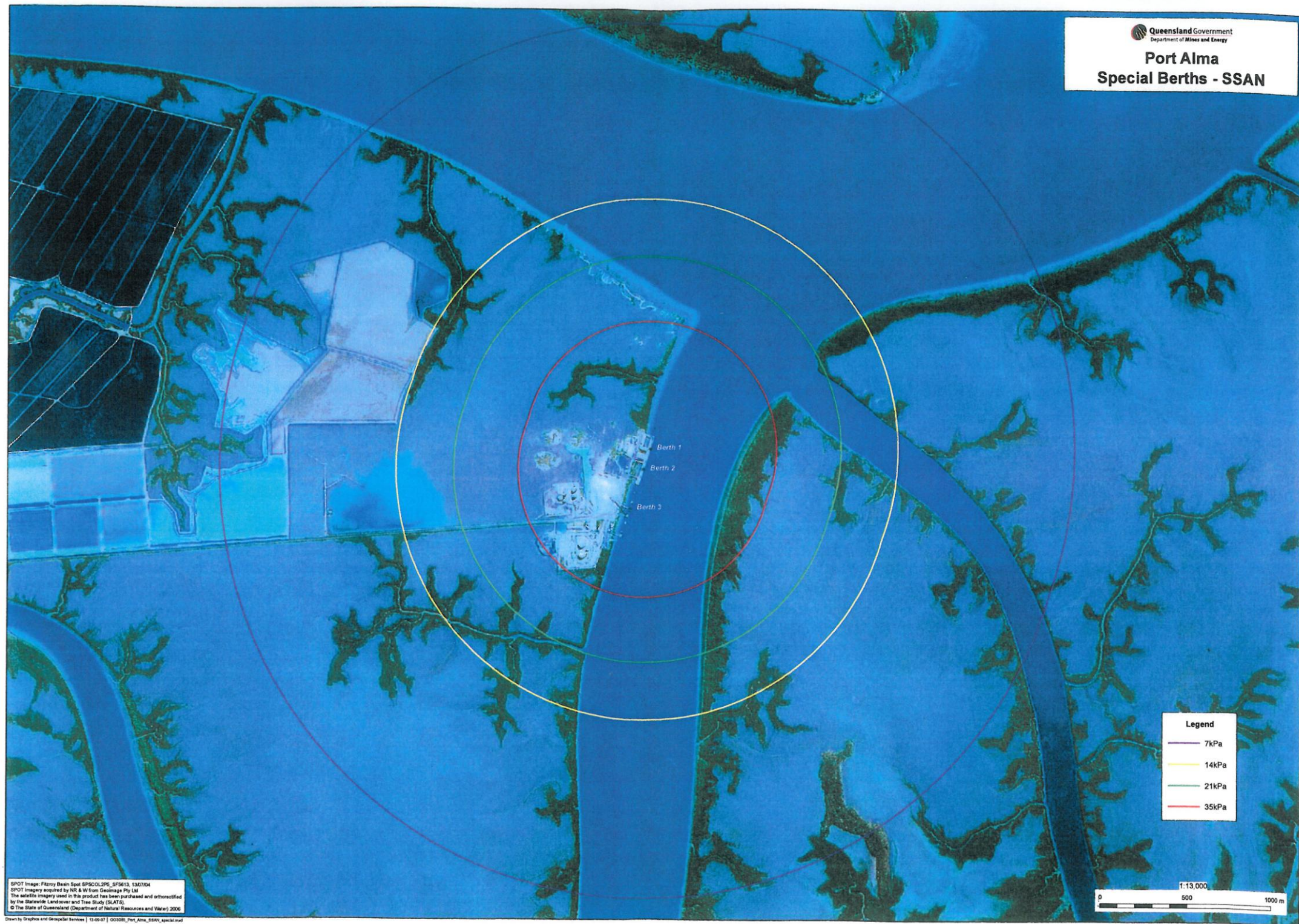


**Queensland
Government**
 Maritime Safety
 Queensland



Appendix B – Aerial Photos

Port Alma Special Berths - SSAN



Legend	
—	7kPa
—	14kPa
—	21kPa
—	35kPa

Port Alma Special Berths - Class 1 Explosives

