Located at Bell Bay on the eastern bank of the Tamar River 48 kilometers north of Launceston, the port is adjacent to a major Tasmanian industrial estate. The port is a major port for domestic and international bulk goods as well as container services.

**Harbour Control**

TasPorts control shipping movements, berth and shed allocations, cargo storage areas and equipment requirements.

**Communications**

The port Communications Centre at Bell Bay is manned 24 hours and operates a radio service on the following frequencies:

- VHF Channel 16, 12 and 67
- CB 27.88 MHz
- Radio Call Sign: “Bell Bay Port Control”
- Pilot Call Sign: “Tamar Pilot”
- Telephone: 03 6380 3075
- Fax: 03 6380 3043

**Pilotage**

The Pilot service is provided by the port and is compulsory for all vessels over 35 meters in length overall, unless a valid pilot exemption certificate is held.

Contact the port giving ETA 24 hours before arrival and give updated ETA to Bell Bay on VHF Radio four hours before arrival at the PILOT BOARDING GROUND.

It is essential to notify the port of changes to a vessels ETA or ETD as soon as possible.

Pilot’s board from launch (fitted with Channels 12 & 16, call-sign “Tamar Pilot”), 3.0 nautical miles N.W. of Low Head Light House.

When approaching the pilot boarding ground vessels should not proceed inside port limits.

**Towage**

Towage services are operated by TasPorts with two ASD Harbour Tugs based at Inspection Head Wharf. Other tugs are available at several hours' notice from adjacent ports.

<table>
<thead>
<tr>
<th>Tug</th>
<th>TYPE</th>
<th>Bollard Pull</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risdon Cove</td>
<td>Harbour tug- z-pellar</td>
<td>34T bollard pull</td>
</tr>
<tr>
<td>York Cove</td>
<td>Harbour tug- z-pellar</td>
<td>31T bollard pull</td>
</tr>
</tbody>
</table>

All towage enquiries & bookings to VTS
Phone: 03 63803013
Email: vts@tasports.com.au

**Navigation**

1. **Lower Reaches**

   a) **Draft Limitations**

      Determined by a 1.4 meter under the keel clearance giving maximum draft at Low "Water 9.0 meters (at zero tide), and maximum draft at High water 11.5 meters.

   b) **Size Limitations**

      For vessels exceeding 250m length and/or 45m beam with draft in excess of 9 meters contact the Bell Bay Port Office.

   c) **Time Limitations**

      ENTRY: Vessels over 140m length enter on flood tide only. Earliest entry is L.W. at Low Head. Vessels then enter according to draught through to 30 min. before H.W. at Low Head. Pilots board approximately 15 minutes before these times.

      DEPARTURE: Vessels over 170m length.

      Large vessels berthed at Woodchip Berths – from 1 hour before up to H.W. or L.W. (Low Head) depending on draught and tide. Vessels berthed at all other down river berths – from 1 hour before to 1 hour after H.W. or L.W. (Low Head) depending on draught of vessel and tide.

      SHIFTING OF VESSELS: The shifting of vessels of any size from berth to berth within the port will be undertaken 24 hours a day, subject to any special requirements at the time.

   d) **Night Navigation (Entrance Channel)**

      As per above.

2. **Upper Reaches**

   The Upper Reaches are navigable to the City of Launceston. Maximum Length: 70m. Draft: 5.5m.

**Special Conditions**

Contact Tasports for all vessels and conditions.
Bell Bay

Overview (continued)

Port Limits
A circle with a radius of 3 nautical miles centered on Low Head Lighthouse.

References
Australian Pilot “Vol. II. Charts AU”S 167 and 168.

Pilot Boarding Ground
Lat: 40 59.75’S, Long: 146 43.9’E.

Time Zone
G.M.T. plus 10 hours (Eastern Standard Time).
G.M.T. plus 11 hours (Tasmanian Summer Time, October to March).

Datum
*A.H.D. – Australian Height Datum.

Tidal Range
Low Head – average 2.3m

Emergency Services
All Emergencies Contact:
BELL BAY PORT CONTROL on (03) 6380 3013

Depths Alongside
(At Lowest Astronomical Tide)

Bell Bay Berths:
No. 1 Bell Bay Comalco (Private) 10.4m
No. 2 Bell Bay (Interstate Ro/Ro Container) 8.2m
No. 3 Bell Bay (Temco, Bulk & General) 11.7m
No. 4 Bell Bay (Tankers) 12.0m
No. 5 Container Berth 12.0m
No. 6 Bell Bay Multi Purpose Berth
(Ro/Ro & Container) 9m to 12.0m

Long Reach Berths:
Long Reach No.1 Woodchip No. (Gunns Ltd) 11.5m
Long Reach No. 2 Woodchip S. (Gunns Ltd) 11.2m

Inspection Head:
No.1 & 2: 9.9m

Distances Pilot To Pilot

In nautical miles

Australia
Port Adelaide 585
Botany (Sydney) 498
Brisbane 949
Burnie 38
Devonport 21
Flinders Island-Whitemark 83
Lady Baron 89
Fremantle 1749
Gladstone 1210
Groote Eylandt 2615
Hobart 265
Melbourne (Port Phillip) 192
Newcastle 559
Port Kembla 459
Portland 288
Port Pirie 741
Sydney 505
Townsville 1573
Weipa 2360
Westernport 171

Overseas
Auckland 1490
Bombay 5754
Gibraltar (via Suez) 9839
Hamburg (via Suez) 11481
Hong Kong 5391
Kobe 4836
London (via Suez) 11152
London (via Cape) 12042
London (via Magellan Strait) 12579
London (via Panama) 12678
Magellan Strait 5016
New York (via Panama) 9907
Panama 7893
Rio de Janeiro 7384
San Francisco 6879
Shanghai 5254
Singapore (via Cape Leeuwin) 3970
Singapore (via Torres Strait) 4736
Suez 7851
The Cape 5921
Vancouver 7260
Wellington 1340
**Bell Bay**

**No. 2 Berth**

*Length Of Wharf:*
86.6m; width 38m.

*Mooring Dolphin:*
227.9m east of ramp end.

*Fender Dolphin:*
116m east of ramp end.

*Depth Alongside:*
8.2m at L.A.T.

*Height Of Deck Above Datum:*
5.03m.
**Height Of Deck Above Datum:**
5.18m.

**Crane:**
19 ton slewing, luffing, grabbing, traveling crane with railing hatch hopper on rails.
(Manufacturer: Caillard Levage). (Owner TEMCO)

**Lifting Capacity/radius:** 19 ton at 30m max. radius; 25 ton at 24 m max. radius.

Max radius: 30m.
Min. radius: 10m.
Tail radius: 6m.
Max. outreach from wharf fenders: 22.49m.
Max. backreach from wharf fenders: 37.51m.
Centre of crane to outer edge of wharf fenders: 7.51m.
Max. height of bottom of grab above wharf deck/max. radius: 18m.
Max. height of hook above wharf deck/max. radius: 22m.
Max. depth of bottom of grab below wharf deck/max. radius: 14m.
Length of travel: length of wharf for 108m.
Associated equipment: trailing hatch hopper with operator’s cabin.

**Estimated unloading rate (grab):** 500 tonnes/hour.
**Average loading rate (grab):** 660 tonnes/hour.

**Wharf Deck Loading:**
See table on page 43.

**Axle Loading On Deck/Pavement:**
See table on page 43.

**Transit Shed Space:**
744 sq.m.

**Wharf Power:**
2 x 415V, 30 Amp; 2 x 240V, 10 amp.

**Telephone:**
Stevedores Telephone: (03) 6382 1733
Temco Wharf Office Telephone: (03) 6382 0397

**Fresh Water:**
Available at max. rate of 50 tonnes per hour per connection.

**Bunkering:**
Road tanker.
Bell Bay
No. 4 Berth – Petroleum & Other Products

Seebeck Double Quick Release Hook:
60 ton.

Harbour & Marine Double Quick Release Hook:
100 ton.

Bridgestone Cell Fender:
C 1600H with anti-friction frontal pad.

Rubber Tyre Fenders:
18.0 x 25 x 24 ply.

Capstan

Queensland Rubber:
A1000 x 1500 rubber arch fender.

Mooring Dolphin:
Cluster of 6 x 144 B.H.P. piles with 50 ton bollard.

Bollard Wharf:
50 ton.
2 x TIMBER FENDER PILES WITH TYRE BEHIND.

Fire Monitor
Bell Bay
No. 4 Berth – Petroleum & Other Products (continued)

General Description
A “T” head concrete decked berth. Vessels up to 240m can be accommodated at this berth.

**Length Of Wharf:**
54.5m; width 10.4m.

**Mooring Dolphins:**
356.2m and 179.2m apart.
**Two (2) Cell Fenders:**
76.2m apart.

**Depth Alongside:**
12 M at L.A.T.

**Height Of Deck Above Datum:**
5.0m.

**Deck Loading:**
See table on page 43.

**Pipelines:**
2 x 250 mm: one for black and one for clean oil
1 x 100mm: for discharge of L.P. Gas 440 kPa (64 lb/sq.in.).
1 x 75mm vapor return line.
Manifold is 19m from downstream fender.

**Mobil Oil Tank Farm:**
Bottom of tanks in tank farms 33 m above manifolds on wharf.

**Pacific Terminals Bulk Liquids Storage Depot:**
Tanks: 1 x 1300 tonnes, 2 x 100 tonnes, 1 x 50 tonnes.

**Fresh Water:**
Available at max. rate of 50 tonnes per hour per connection.

**Bunkering:**
Fuel oil 100mm and 150mm connections, rate of 50/60 tonners per hour. Diesel oil by road tanker, 75mm connection at 18 tonnes per 1.25 hours.

**Fire Fighting:**
2 fixed remote control “scum” fire monitors 200kw diesel pump with permanent sea suction. Venturi induction of 3% AFFF 18,000 litres of AFFF storage.
Bell Bay
No. 5 Berth – Container and General

Wharf Fenders

Queensland Rubber Co:
1000 OD x 600 ID rubber cylinders each corner.

Queensland Rubber Co:
700 OD x 450 ID rubber cylinders along face.

Bollards:
100 ton.
50 ton.
General Description
A welded beam restrained bulkhead berth backfilled and paved.

Length Of Wharf:
206m.

Depth Alongside:
11.7m.

Height Of Deck Above Datum:
5.00m.

Cranes:
(a) Portainer Crane: (Manufacturer: Deer Park Engineering) (Owner: P&O Ports)
(b) 40 tonne mobile harbour crane, with standard capacity of 40 tonnes (under hook) and heavy lift capacity of 100 tonnes (under hook). (Manufacturer: Gottwald) (Owner: Patrick Stevedores)

Capacity and Spreader: 27.5 Tonnes (20’), 36 Tonnes (40’)

Max. outreach from wharf fenders: 31.090m (twin lift), 33.520m (single lift & 40’)

Max. backreach from wharf fenders: 40.915m.

Max. lift above wharf deck: 21.03m.

Max. depth below wharf deck: 14.59m.

Hoist Speed Empty: 74.4/min.

Hoist Speed Full Capacity Load: 36.6/min

Associated equipment: Fitted with dual hoist system and twin lift spreader.

Wharf Deck Loading:
See table on page 43.

Wharf Axle Loading:
See table on page 43.

Marshalling Area:
2.5ha including wharf deck.

Rail:
Through centre of marshalling area.

Reefer Outlets:
168 TEU refrigerated containers.

Wharf Power:
4 x 415V, 30 Amp, 4 x 240V, 10 Amp.

Fresh Water:
Available at max rate of 50 tonnes/hour.

Bunkering:
Road tanker.
Wharf Fenders-W To E:
(a) Bridgestone SUC1250H RE cell type fenders plus anti-friction frontal pads – 13 at 12m centres alternating with 12 tyre fenders; 7 at 14.7m centres alternating with 5 x 2 sets of tyre fenders.
(b) .30 x .15 .380 rubber cylinder backed waling plus 16 timber piles at 4.9m centres plus restraining chains.
(c) Timber fender piles x 9 along rear face of wharf.

Wharf Bollards-W To E:
(a) 50 tonne x 1 at 15m centres.
(b) 50 tonne x 8 at 18m centres.
(c) 50 tonne x 9 at 19.6m centres.
(d) 50 tonne x 2 at 36m centres and 50 tonne x 2 at 52.5 centres along rear face of wharf.
(e) 100 tonne x 2 at rear corners of wharf.

Stern Mooring Bollards:
50 tonne x 2.

Mooring Dolphin:
3 x 50t QR Hooks, 1 x 100t Bollard.

Public Telephone
General Description

A concrete decked, steel piled, heavy duty berth designed for Ro/Ro, container, conventional and bulk cargoes. A steel decked bridge 24.4m long x 7.2m wide connects W. marshalling area to the wharf.

Length Of Wharf:
313.6m.

Depth Alongside:
9.0 to 12.3 m at L.A.T. (see plan).

Height Of Deck Above Datum:
5.05m.

Wharf Deck Loading:
See table on page 43.

Wharf Axle Loading:
See table on page 43.

Marshalling Area:
East: 1.8ha; West: 1.5ha Total of 3.3ha or 3.8ha. Including wharf decks.

Transit Shed Space:
1440sq.m sheds are fitted with exhaust fans for pre-shipment storage of primary produce.

Rail:
At ship side, full length of berth.