GENERAL PORT INFORMATION

Wind: Northwesterly

Tidal streams/currents: Streams set northwesterly with a rising tide and southeasterly with a falling tide. Westerly set across entrance in heavy swell. Up to 1 knot.

Other: Heavy easterly swell can prevail

Location of pilot boarding grounds
No. 1: 39° 28.5’S 176° 59.9’E
No. 2: 39° 24.5’S 176° 59.4’E

Nautical chart reference
NZ5612 Napier Roads

Last survey date
Fairway: 10/01/2018
Swing basin: 10/01/2018

Approach channel minimum depth
12.41 metres

Approach channel width
Width of entrance channel to port: approximately 260 metres

Distance from boarding ground to berth/anchorage
North pilot boarding ground No. 2: 5.4 nautical miles
South pilot boarding ground No. 1: 4.0 nautical miles

Estimated time from pilot boarding ground to berth/anchorage at max speed allowed
Maximum transit speed: 16 knots on approach, 5 knots in harbour

Minimum depth and diameter of turning basin
Minimum depth: 12.0 metres
Diameter swing basin: 360 metres

Maximum deadweight
Maximum deadweight handled to date: 69,950 DWT (Aristagoras 08/01/2006 – 2 Wharf North).

Maximum calculated displacement on tanker berth
66,600 tonnes – displacement

Air draft restrictions
None

Established maximum vessel draft
Container vessel: 12.4 metres
Bulk vessel: 11.5 metres at 2 Wharf, 12.4m at 1 Wharf

Drafts over 11.6 metres require Senior Pilot and/or General Manager Marine and Cargo approval. All movements subject to tide and DUKC calculations.

Minimum UKC clearance
Alongside: 0.3 metres, Turning basin: 0.6 metres, Channel: 0.9 metres

Port established maximum vessel length
Maximum vessel LOA handled to date is 347 metres.
Vessels greater than 295 metres LOA will require Marine review and approval first.

Name/draft/LOA/beam of largest ships to call at port
Ovation of the Seas (cruise) LOA 347 metres – draft 8.8 metres – beam 41.15 metres
Molly Manx (bulk/fertiliser) LOA 189 metres – draft 12.2 metres – beam 32.26 metres
Messologi (container) LOA 294 metres – draft 10.8 metres – beam 32.2 metres
Kota Lihat (container) LOA 266 metres – draft 12.5 metres – beam 32 metres
Chicago (container) LOA 279 metres – draft 10.3 metres – beam 40.3 metres

Range of tide
MHWS – 1.86
MLWS – 0.05
MHWN – 1.45
MLWN – 0.39
Average HW – 1.65
Average LW – 0.2

Power, type and number of tugs available
Ahuriri: Voith tractor – 70 tonne bollard pull
Te Mata: Voith tractor – 60 tonne bollard pull
Kaweka: Damen tractor – 72 tonne bollard pull

Tug towline
Samson Neutron-8 60mm, MBL 270 metric tonne

Are tugs local
Yes. Tugs owned and operated by Napier Port.

Tug ordering time
Tugs are available on 24/7 basis and ordered to meet shipping move requirements.

Night berthing permissible
Yes

Bunkering
Bunkering point not available, bunkers supplied by road tanker only.

CONTINUED OVER PAGE...
WHARF INFORMATION

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME</th>
<th>LENGTH</th>
<th>POCKET WIDTH</th>
<th>BERTH POCKET DEPTH BELOW CD</th>
<th>BERTH HEIGHT ABOVE CD</th>
<th>FENDER TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cassidy Quay</td>
<td>250m</td>
<td>40.0m</td>
<td>12.2m</td>
<td>3.8m</td>
<td>Square panels</td>
</tr>
<tr>
<td>2</td>
<td>Higgins Wharf</td>
<td>485m</td>
<td>36.1m</td>
<td>11.5m</td>
<td>3.8m</td>
<td>Cylindrical/timber</td>
</tr>
<tr>
<td>3</td>
<td>Geddis Wharf</td>
<td>210m</td>
<td>-</td>
<td>8.5m</td>
<td>3.8m</td>
<td>Timber</td>
</tr>
<tr>
<td>4</td>
<td>Herrick Wharf</td>
<td>270m</td>
<td>38.0m</td>
<td>12.0m</td>
<td>4.7m</td>
<td>Square panels</td>
</tr>
<tr>
<td>5</td>
<td>Kirkpatrick Wharf</td>
<td>390m</td>
<td>47.1m</td>
<td>12.4m</td>
<td>3.8m</td>
<td>Cylindrical</td>
</tr>
</tbody>
</table>

Names/lengths/minimum depth

- Type and spacing of fenders
  - Type: Timber, tyre, cylindrical and square panels
  - Spacing: Varied between wharves
  - Maximum spacing: 18 metres

- Bollard spacing and bollard strength
  - Bollard spacing: 5 metres
  - Strength: 60-95 tonnes

- Bow to centre manifold
  - Maximum 94 metres at 2 Wharf (South) for petroleum products discharge (portside to).

- Moorings
  - Shore moorings used for tankers, and other vessels in swell conditions.

- Type and number of shore gangways
  - 3 x steel gangways: 3 x 15 metres
  - 2 x aluminium gangways: 1 x 16 metres

- Type and surface of wharf
  - Concrete

- Preferred side of ships alongside
  - Starboard

- Pier obstructions
  - None

- Water density
  - 1.027

ANCHORAGE INFORMATION

- Secure anchorages
  - No. 2: 39° 23' S 176° 58' E
  - No. 1: 39° 27' S 176° 59' E

- Minimum depth of anchorage
  - No. 2: 21 metres
  - No. 1: 18 metres

- Type of bottom
  - No. 2: Fine sand and mud
  - No. 1: Fine sand and mud

- General slope of bottom
  - Easterly approx 1 knot

- Wind current
  - Flat

- Tendering facilities
  - None

SECURITY INFORMATION

- Emergency contact including oil pollution response
  - Napier Harbour Control on Channel 12 or 16 and Napier Port Security on 06 833 4440

- Tanker watch hut phone no.
  - 06 833 4442 or 442 from internal phone (only while tanker is on berth).

- Napier Port security gatehouse phone no.
  - 06 833 4440 24 hours a day, 7 days a week

- Napier Port shuttle bus between ship and gate
  - 06 833 4386

- Normal port security level
  - Level 1

- Port ID number
  - 24070

- Security controls
  - Napier Port is guarded with manned gates, effective fencing and CCTV coverage throughout. All personnel are required to have clear identification (photo ID) or a port-issued ID card. Inspection and searches are routinely undertaken. Napier Port pilot launch provides patrol services as required.

- Duty PFSO
  - Jim MacDonald. Email: marinegroup@napierport.co.nz or security@napierport.co.nz

- UN locator code
  - NZNPE

- IMO number
  - NZNPE-0001

- Port facility assigned number
  - 1104

- ISPS code
  - NZNPE-24070-1104. Last approved date: 2 July 2019

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