





# Welcome to Gladstone Marina

# Welcome to Gladstone Marina, proudly operated by Gladstone Ports Corporation.



Located on the Southern Great Barrier Reef, we are perfectly positioned to help you refresh, relax and explore the secluded anchorages, tropical islands and pristine coral reefs in our area.

Our first priority is to help you refresh after your trip. You'll immediately unwind and relax with our welcoming team on deck, state-of-the-art facilities on hand and easy access to local services.

From your first contact with us, our highly qualified team will help you

every step of the way. Our in-depth experience, coupled with our exceptional customer service, will ensure your stay is one to remember.

When you're ready to explore, we'll help you plan your ideal water or land adventure too!

The captivating coral cays nestled off our coast are a must-see — stunning Heron Island and majestic Lady Musgrave are both within the beautiful Bunker Group of islands. Offering incredible snorkelling, diving and fishing, you'll never want to leave the tropical paradise on our doorstep.

You're also invited to discover our region's hidden secrets — our award-winning parklands, vibrant national parks, freshwater lakes and the spectacular Boyne Valley.

There's a number of wonderful events as well, such as the iconic Gladstone Ports Corporation Brisbane to Gladstone Yacht Race. Held annually at Easter time, it finishes under the backdrop of the Marina and our fabulous parklands — making Easter a real celebration and not to be missed.

We look forward to welcoming you to Gladstone Marina and our wonderful region. Remember, our team is here to help you refresh, relax and explore everything our beautiful area has to offer. Any request is most welcome.

Superintendent David Osmond and the Gladstone Marina team

At left: Our team members are all Coxswain or greater qualified skippers and mariners through and through. We stay up-to-date with the latest industry training via the Marina Industry Association, ensuring our Marina is operated to the highest safety standards and giving our valued customers peace of mind.





Gladstone Marina is a four star first-class facility located in Central Queensland, and is proud to offer the following facilities to help you to refresh, relax and explore during your stay.

- Luxury courtesy bus Our top-of-the-range bus runs daily, allowing you to refresh and visit our local shops for provisions.
- Toilets and showers separate bathroom and shower facilities with secure access for Marina patrons.
- Marina BBQ facilities a new addition in 2022, patrons can make use of dedicated BBQ facilities. With extended seating options, it's the perfect space to socialise and relax.
- Marina Lounge a new addition in 2021, the Marina Lounge provides an off-water space to relax in air-conditioned comfort and includes a kitchenette, desk, lounge area, reading material and games.

- Laundry a secured laundry is available for our patrons.
- · Local restaurants onsite
- Hairdresser
- World-class parklands —
   including great restaurants and
   coffee shops, public barbeques,
   picnic tables, kilometres of
   walking tracks, large playgrounds,
   a waterpark and public toilets.
- Electronic security secure and private access to toilets, showers and laundry, with comprehensive CCTV and patrolling security guards throughout the Marina.
- General rubbish and recycling

   available in the bin enclosure.

   To dispose of larger items, please contact the Marina office.
- Sullage pump out facility



- **Davit crane** please contact the Marina office.
- Oil and oil filter disposal please contact the Marina office.
- **Battery disposal** a designated battery tray is available in the bin enclosure area.
- Power 15amp, 32amp, 63amp and 125amp power available at your berth.
- **Drinking water** available at all berths.
- Fish cleaning facilities located at the Volunteer Marine Rescue (VMR) ramp.
- Wet berths, pile moorings, swing moorings and floating dry berths — available for lease.
- Fuel, ice and gas refills available onsite from Marina tenants.

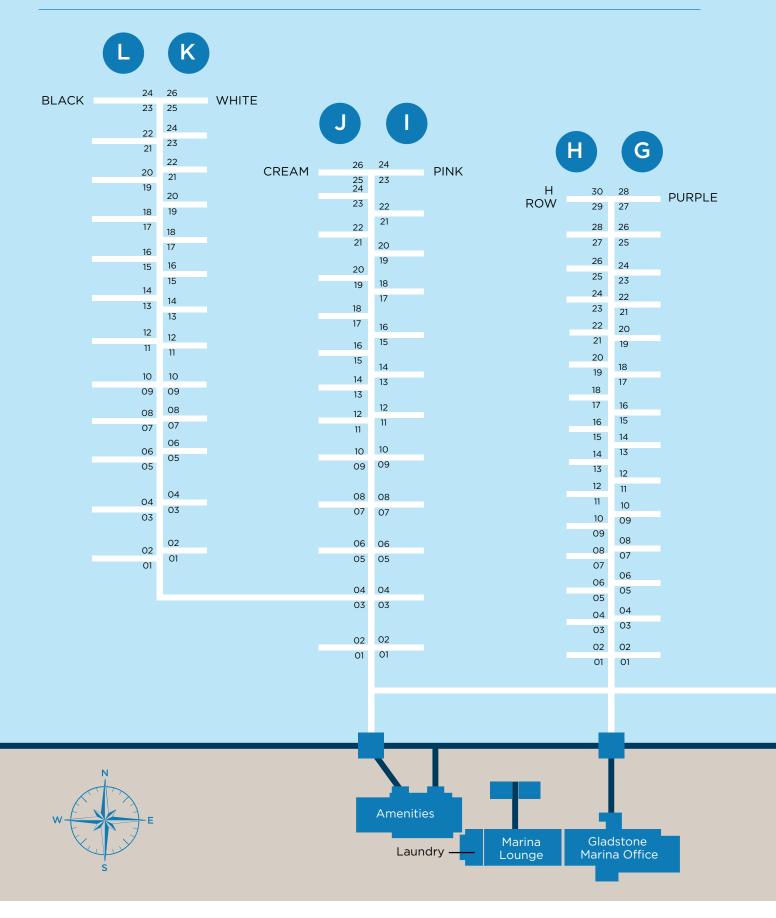


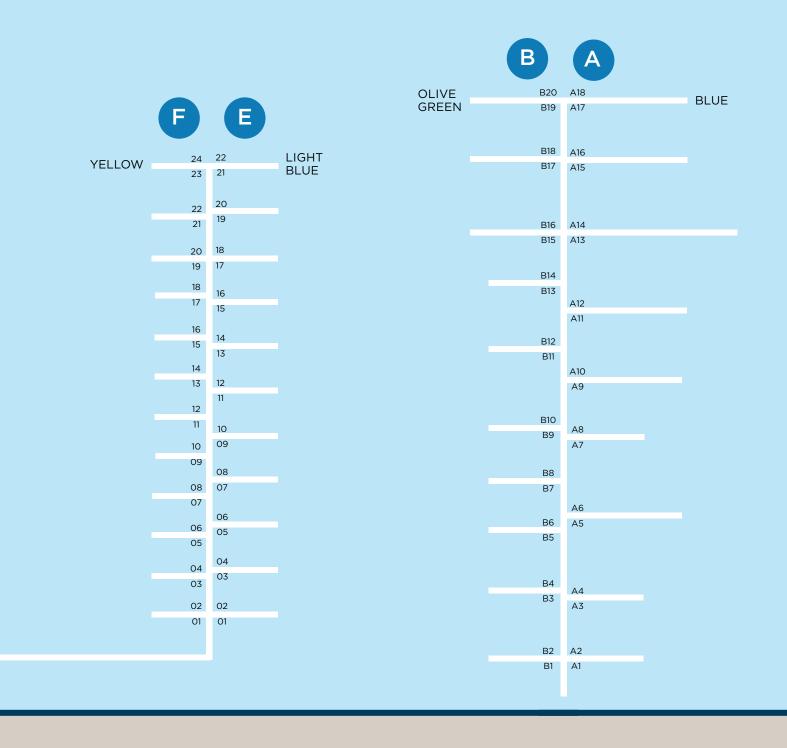






# Marina Berths





Numbers are on piles.

Each finger has a different colour on the Pile Cap tops.

A-Blue B-Olive Green E-Light Blue F-Yellow G-Purple H-Numbers are on rows I-Pink J-Cream K-White L-Black

# Gladstone Port Procedures and Shipping Information

When entering and exiting the Gladstone pilotage area, you are required to log in with the local Vessel Traffic Services (VTS).

You must maintain watch on Channel 13 and 16 when entering, leaving or moving within the area. This helps provide a safe passage for all users of the waterway. Please note, this ruling is for masters of vessels greater than 10 metres only, but we recommend all vessels make contact with VTS.

We suggest you use Maritime Safety Queensland's charlet of ship navigation areas around Gladstone and follow the suggested small craft course — see pages 10 and 11.

## **Gladstone Harbour Master**

Phone: 07 4971 5200 | VHF: Ch 13 Call Sign: Gladstone Vessel Traffic Service | Gladstone VTS

## **Volunteer Marine Rescue Gladstone**

**Phone**: 07 4972 3333 | **VHF**: Ch 82 **Call Sign**: VMR Gladstone |

Marine Rescue Gladstone

## Maritime Safety Queensland — Gladstone office

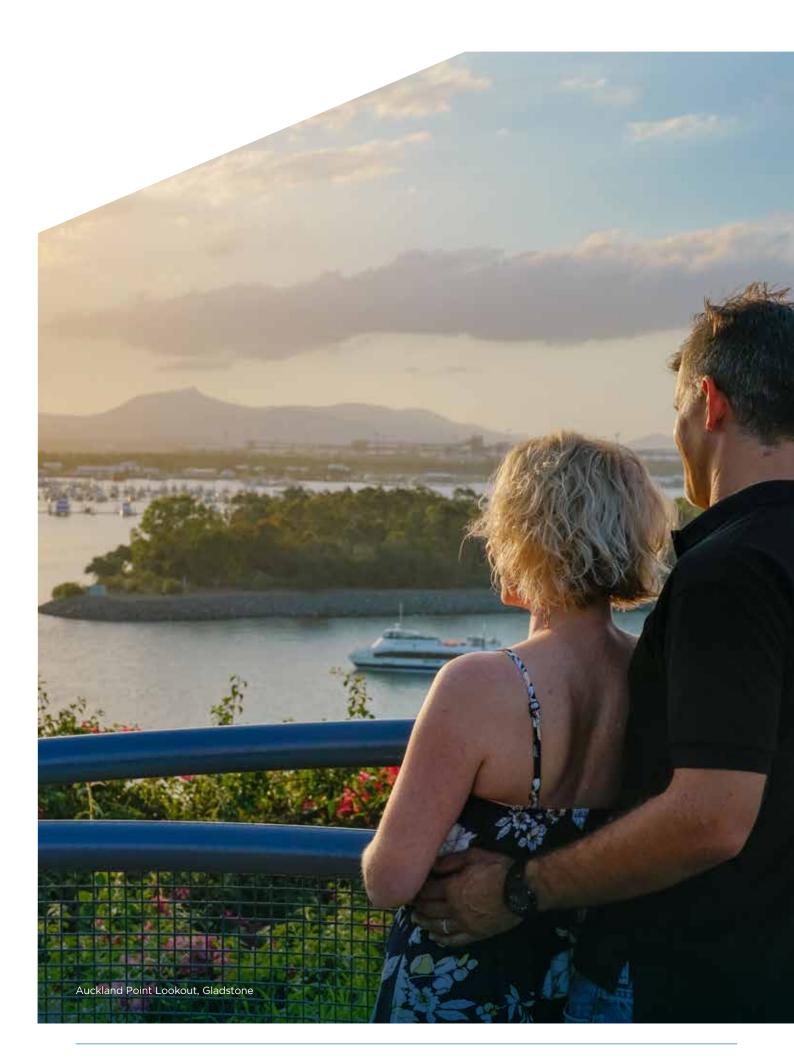
Phone: 07 4971 5201

Emergency Phone: 000

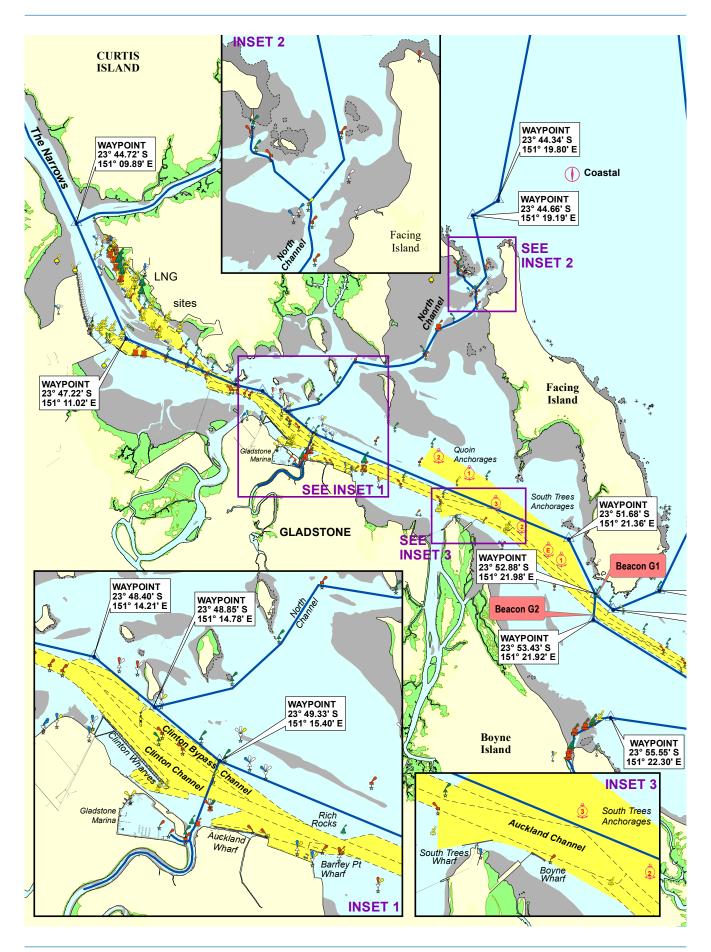
## Radio Guide

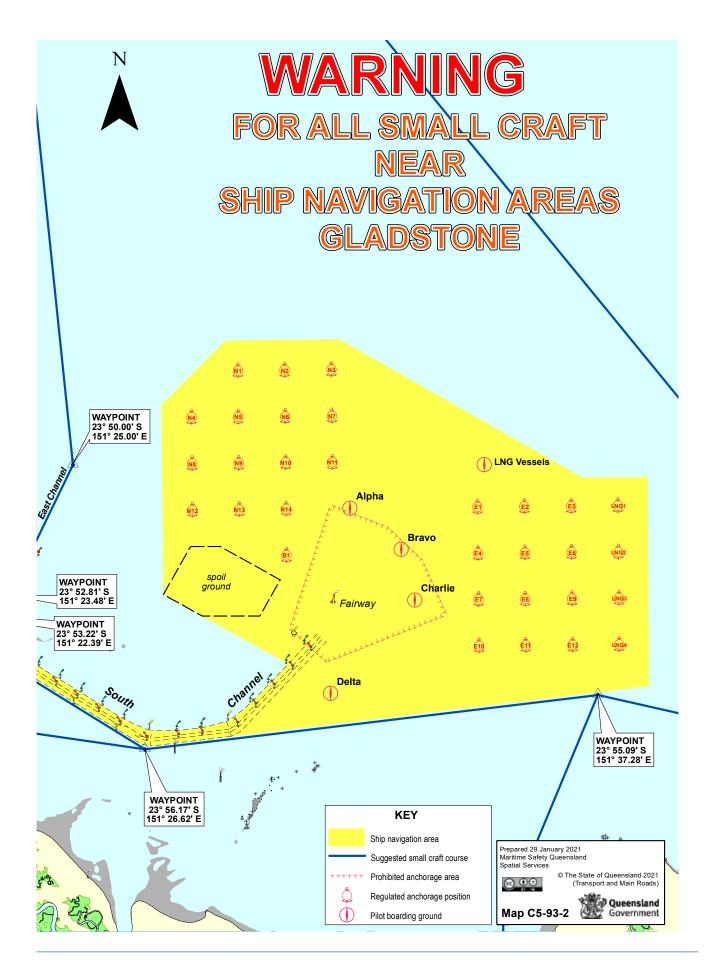
- Vessel Traffic Services

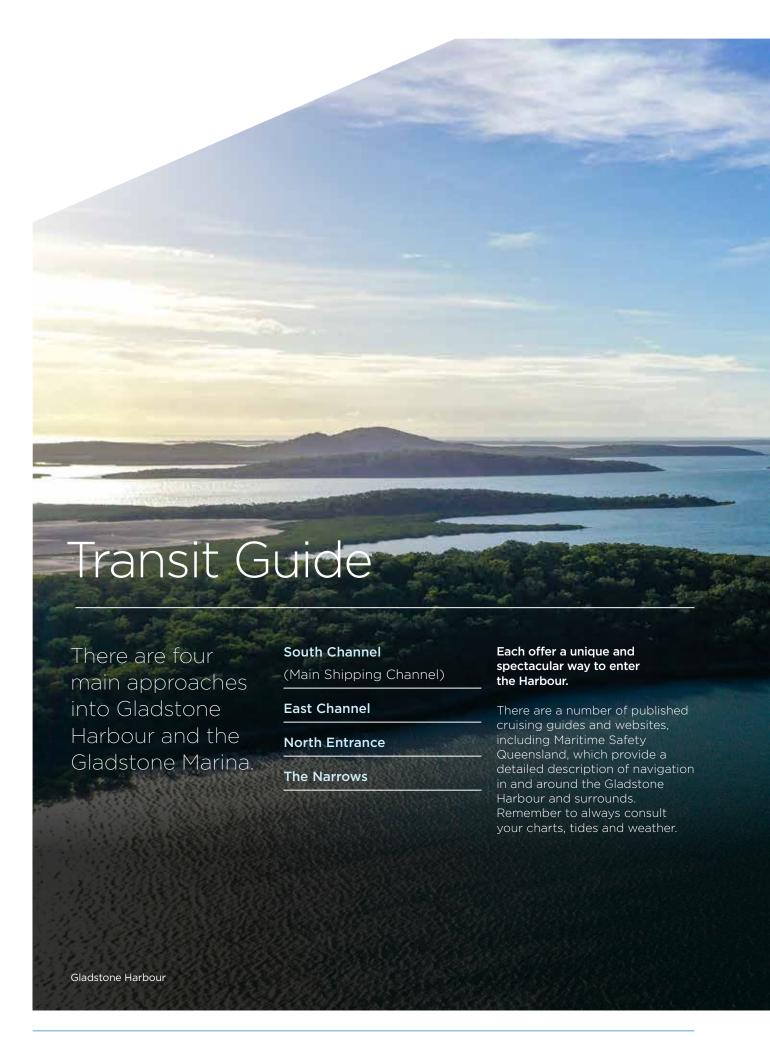
   login if over 10 metres,
   Channel 13. Monitor 13 and
   It is recommended to
   log in if under 10 metres.
- 2. Call Gladstone VTS with your vessel name.
- 3. Wait for response.
- **4.** Report your intentions and intended transit path.
- 5. Follow any instructions given.

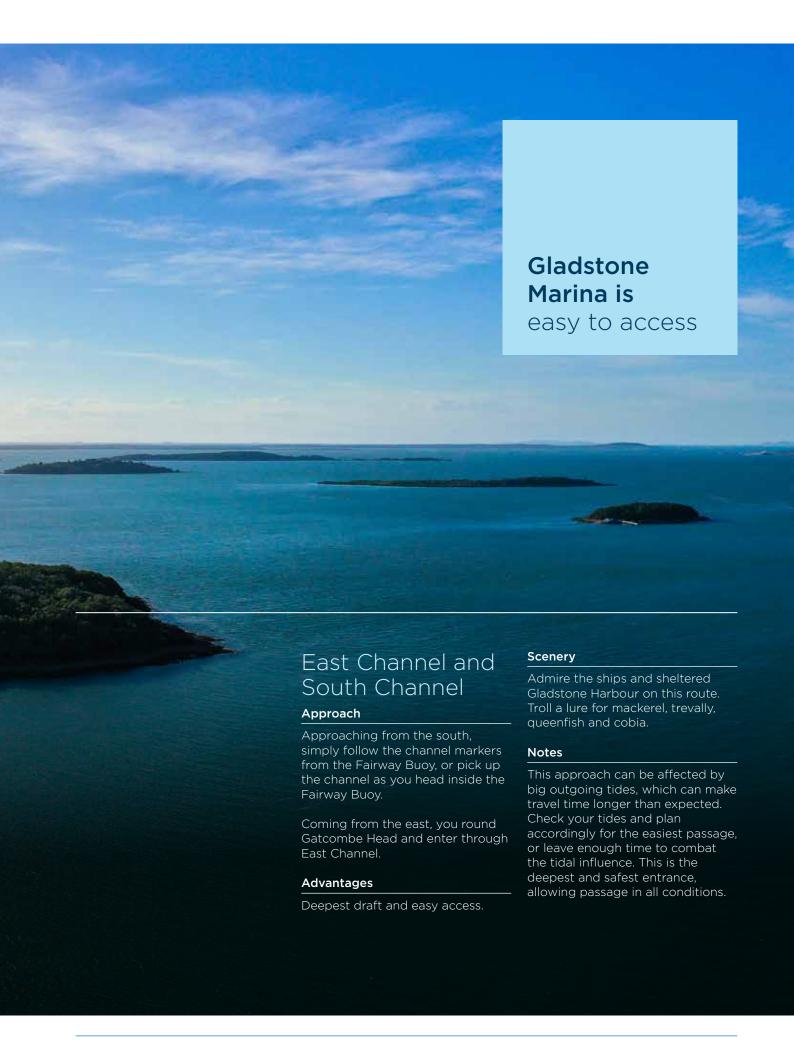


# Ship Navigation Chart Gladstone



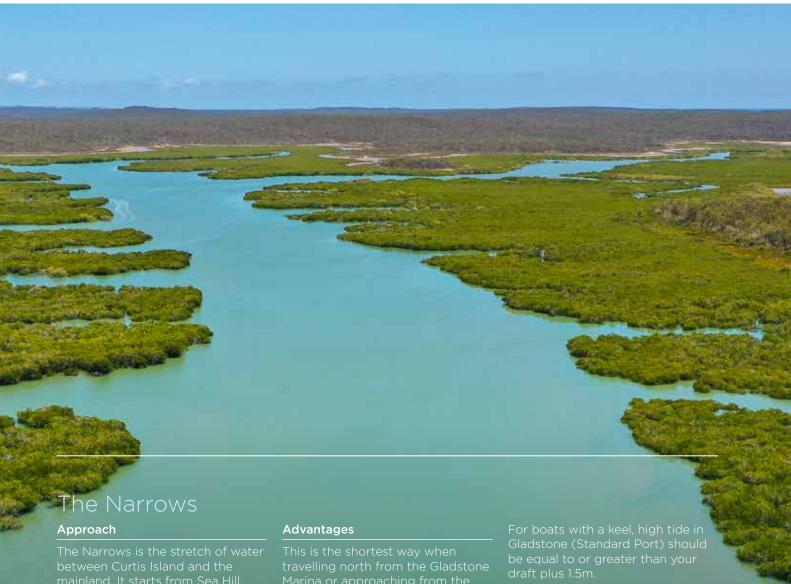












Please consult the Gladstone Marina drafted vessels pass through on high tides. Gladstone Marina has all the talk you through the anchorages, tidal requirements and markers.

## Scenery

Beautiful, isolated flat-water cruising well as the rare snub-nosed dolphin.

## **Notes**

The Narrows is beaconed as if Rockhampton was the major Port. It is suggested you should start transiting The Narrows (from Black Swan to Twin Islands) half an hour before Gladstone (Standard Port) high tide, so you will be transiting on a flooding tide.

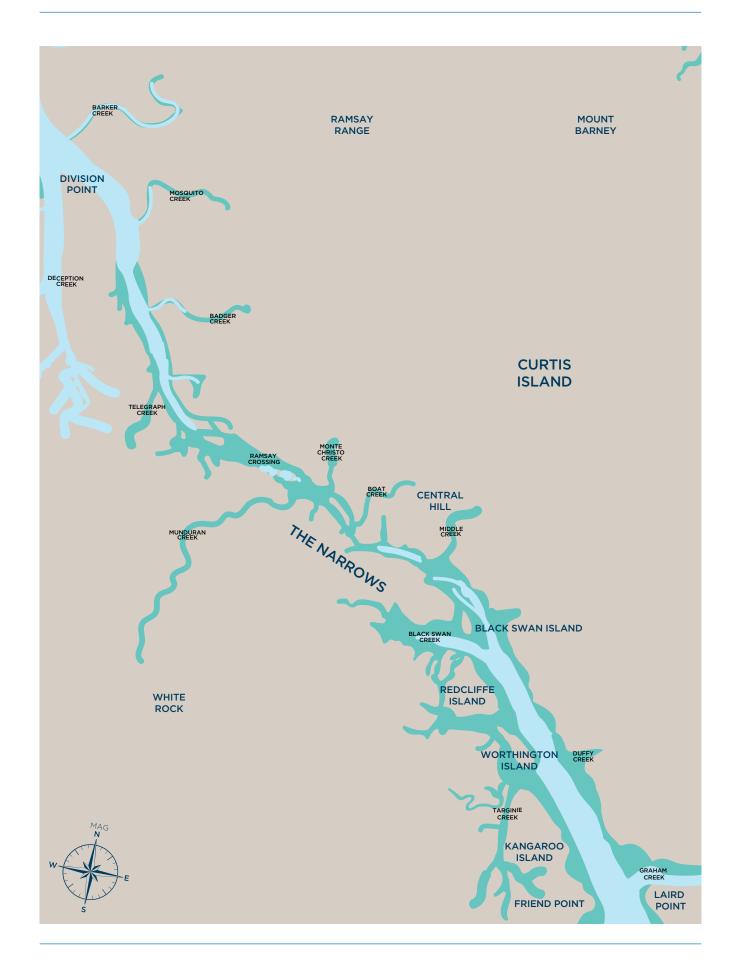
draft of 1.8m, the calculation is 1.8m

Take some midge repellent, as the area can be thick with them at times.

## Suggested Passage

You can cruise straight from Grahams Creek, Targinie Creek or is higher. Coming in from the north, you can overnight at Deception Creek, Badger Creek or opposite the islands that mark the start of the drying out area of the crossing. Black Swan to Ramsay Crossing is 4NM. Get your tides right, consult your charts and enjoy the

# The Narrows



# Relax

# Inshore Anchorages

The coastline around Gladstone Marina provides plenty of opportunity to explore, with sheltered anchorages providing a perfect place to relax, try your hand at fishing or to soak in the scenery.

Please keep your eye on the tides and consult your charts. Access to most places is possible for all, however the deeper draft vessels and access to anchorages is dependent on tides.

## Town of 1770

The Town of 1770 (also known as Seventeen Seventy) is a sheltered anchorage with beautiful clear water and spectacular sunsets. Contact Volunteer Marina Rescue Round Hill (Call Sign VMR 477 on VHF 81 or 82 or phone 07 4974 9383) for information on accessing the Town of 1770.

Access is tidal and the channel does shift. Fuel and basic supplies are available from the small marina. If you can't get in by water, it's a must do day trip from Gladstone Marina.



## Pancake Creek

Pancake Creek is located approximately 60NM north of Bundaberg and approximately 30NM south of Gladstone, with high tides guaranteeing access for most vessels. Pancake Creek is in the lee of Bustard Head and is a truly wonderful anchorage known for its wilderness and natural beauty. There are a number of environmentally friendly moorings available for public use. Take time for a stopover and explore the



Bustard Head lighthouse and surrounds. The crabbing up the creek is excellent — a feast of freshly caught mud crabs, watching the sun go down on your back deck, is a fabulous way to finish your day! Or, simply rest and wait for the trade winds to ease when migrating south.

Above: Pancake Creek









## Rodds Harbour

West of Pancake Creek is the Rodds Peninsula and Rodds Harbour. There is deep water access to Rodds Harbour and Seven Mile Creek, and the area offers plenty of sheltered anchorage. Turkey Beach has a boat ramp, pontoon and a tidal swimming enclosure. The Turkey Beach general store is a short walk from the pontoon and can cater to most needs. Thornton Creek in Seven Mile Creek provides easy access to excellent shelter in extreme weather. The region is renowned for its national parks. dugong sanctuary, fishing and crabbing. So make sure you keep your eye out for dugongs and dolphins when cruising in; and when you anchor up, be sure to throw in a line to catch a fish for dinner — it won't get any fresher!

Continuing up the coast, Hummock Hill Island, Colosseum Inlet, Wild Cattle Island and Boyne River offer great fishing spots with extensive mangrove systems and wetlands. The Colosseum Inlet wetlands is a natural wonderland, considered to be of national importance as it's home to many rare and endangered species.

## Gladstone Harbour Yellow Patch

Gladstone Harbour and Port Curtis provide numerous anchorages and shelter, where you can anchor for a relaxing lunch only a short cruise from the Gladstone Marina. Popular anchorages are off Oaks Beach. South End. Farmers Point and Gatcombe Head. Each spot has advantages in different weather conditions.

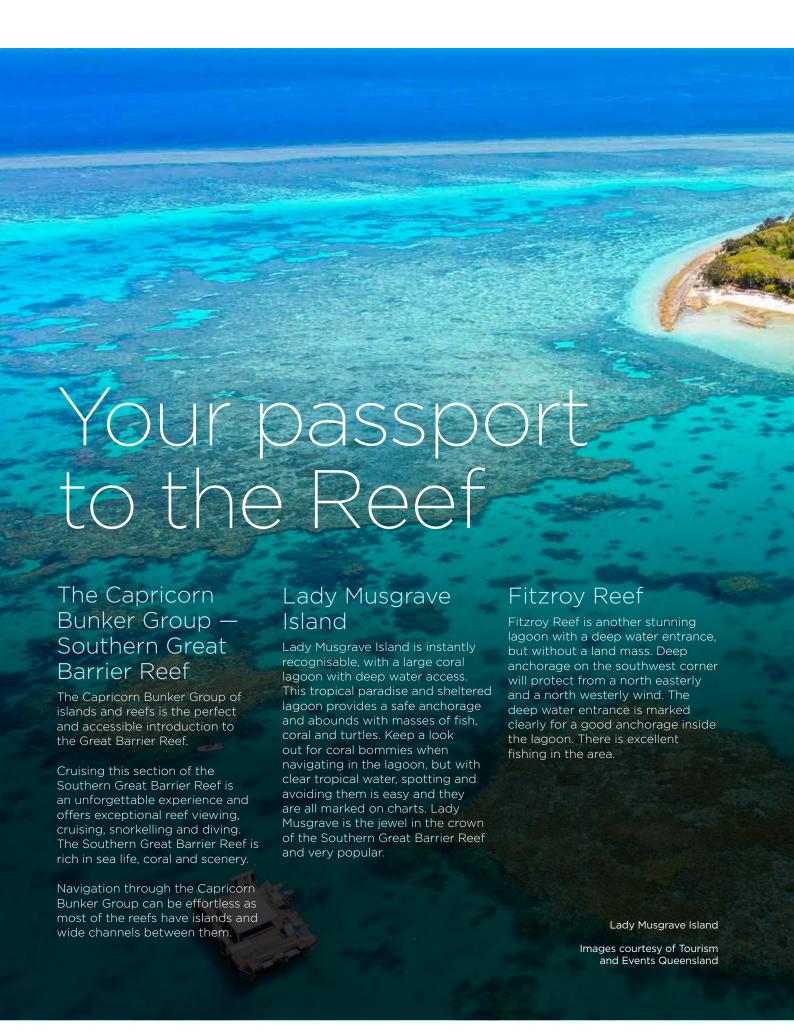
Curtis Island is a bird-spotter's heaven, with jabirus, herons, brolgas, sea eagles, wood ducks, black swans and the rare yellow chat all inhabiting the island. Stroll around and immerse yourself in its beauty or simply enjoy your very own tropical anchorage from the comfort of your vessel.

Grahams Creek is a large tidal inlet at the beginning of The Narrows, which extends into Curtis Island roughly 5NM eastward towards the coast. It is a good point to wait for tidal passage through The Narrows or seek shelter from inclement weather. Black Swan Island and Targinie Creek, behind Kangaroo Island, are also excellent options at the Gladstone end of The Narrows. This entire area is known for its impressive fishing and crabbing.

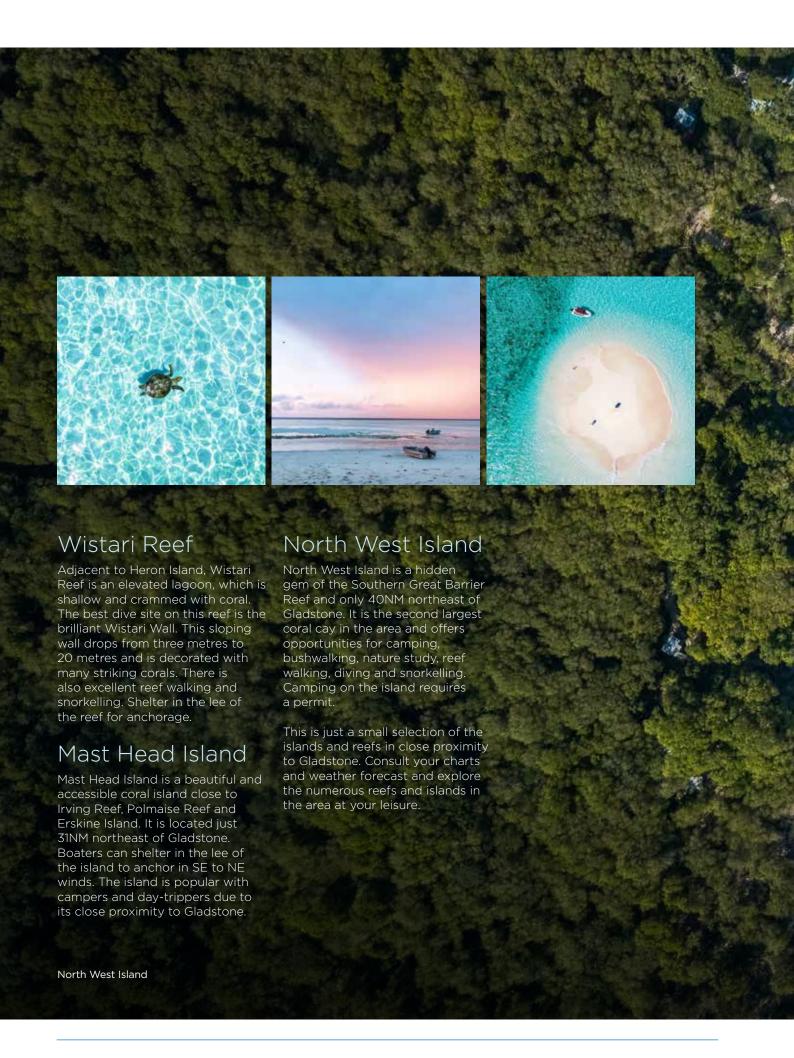
Yellow Patch is a beautiful anchorage on the northeast end of Curtis Island. Yellow Patch is named after the towering yellow sand hill, which creates a dramatic backdrop to the anchorage. The climb up the sand hill provides some exercise and a stunning view over the entrance, anchorage and on a clear day, all the way to Great Keppel Island. The entrance is tidal check your charts and tides, and watch your depth among shifting sandbanks.

Above: Boyne River; South End, Gladstone; Yellow Patch





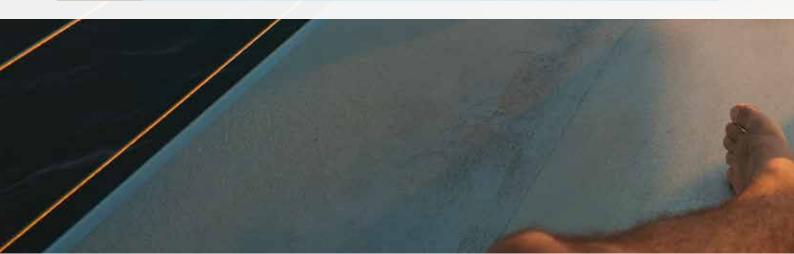


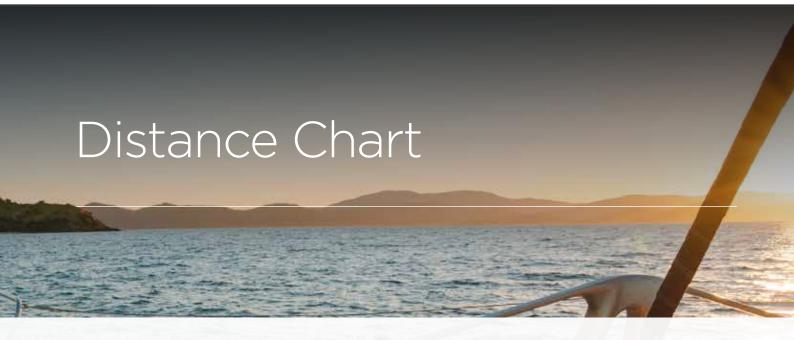




# Capricorn Bunker Group







7 Mile/Rodds Harbour																				
75	75 Bundaberg												No	Not for navigation purposes - approx milage only						
34	103 Black Swan (beginning of Narrows)											1nr	1nm = at 1 knot = 1 hour travel time							
													10r	10nm at 10knots = 1 hour travel time						
37	104	33	Cape	Capricorn								eg	eg 20nm at 10knots = 2 hour travel time							
8	70	28	29	Fairway Bouy																
40	75	65	53	39	39 Fitzroy Reef															
23	90	12	23	16	16 53 Gladstone Marina															
30	97	5	30	24	60	7	Grah	ams Cr	eek											
68	126	34	23	59	92	47	38	Great	Керр	el Isla	nd									
266	330	241	230	257	294	255	245	209	Hami	lton Is	land									
42	85	55	38	36	44	48	50	56	250	Hero	n Islar	nd								
50	52	75	71	49	27	64	72	93	290	45	Lady	Musg	rave							
33	85	43	27	24	26	31	38	48	245	14	44	Mast	Head	Island	1					
25	90	17	18	14	48	7	12	42	250	39	64	26	North	Entr	ance					
47	120	52	29	42	35	40	47	43	230	16	62	15	35	Nort	h West	t Island				
14	60	43	43	16	35	30	37	67	313	39	40	30	30	45	Panc	ake Creek				
35	100	30	5	24	51	20	26	30	234	38	67	25	14	27	39	Rundle Island				

101 45

34 41 47 57 15

80 26

48

28 39



80

Sea Hill (top of Narrows)

56 Yellow Patch

93 - Yeppoon/Rosslyn Bay Via Narrows

70 Town of 1770

# Fishing Adventures

# The Gladstone region offers some of the best fishing in Australia.

# From inshore to offshore, there is a plethora of fishing options to keep the casual or serious fisher entertained for a lifetime.

For a true fishing bucket list experience, there are a number of mothership charter operators that do extended voyages into the Coral Sea to fish remote reefs and atolls to catch wahoo, dogtooth tuna and mega coral trout.

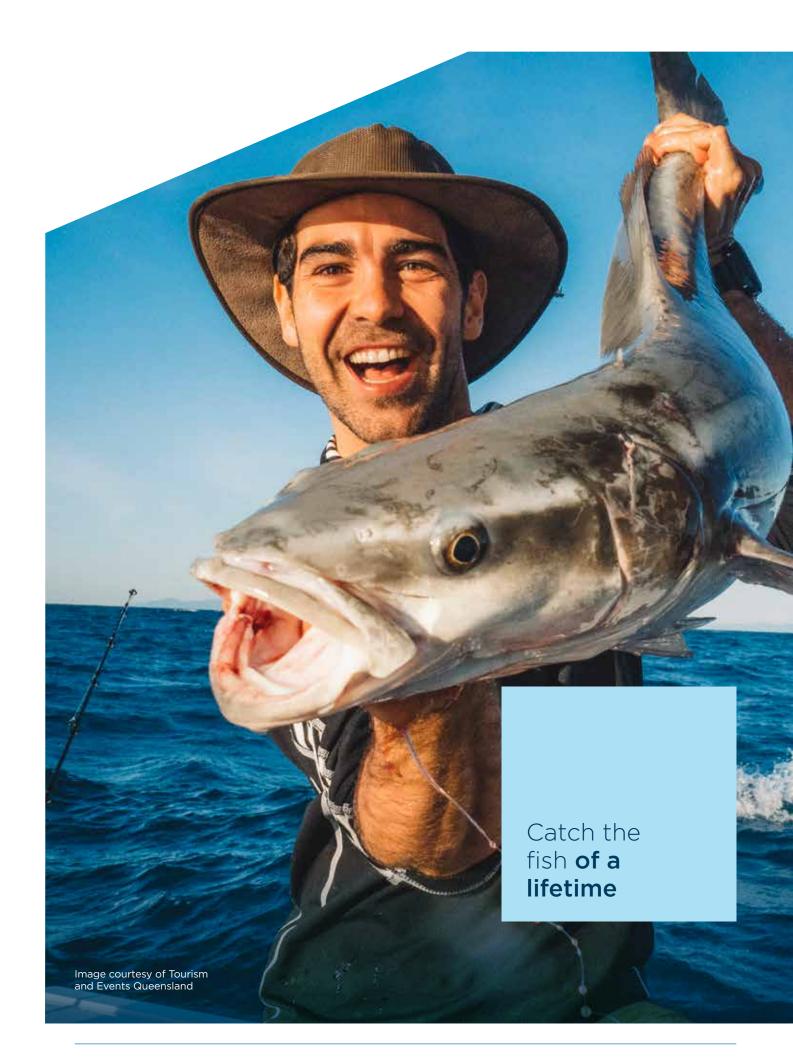
Locally, try your luck at any of the rocky points in the harbour for javelin fish (Grunter) and the iconic barramundi. Drop some baits or jigs down over Rock Cod Shoals for trout and red emperor, and keep your eyes open for birds working around schools of tuna, which can be caught by casting metal lures into the schools. Trolling large lures around any drop off or structure can result in huge (and delicious) Spanish mackerel, cobia or giant trevally that will stretch your arms and fishing tackle to their limits. The Gladstone Region is also home to a number of excellent and very

popular fishing competitions to try your hand at as well.

The local fishing tackle shops are happy to point you in the right direction, give advice on fin fish closures and provide free maps showing sanctuary zones where no fishing is allowed. These maps are also available online and through the Eye on the Reef zoning app. Zone 18 covers the Gladstone Region and Capricorn Bunker Group. Hefty fines apply, so please be sure you know where you can and can't fish.

Gladstone Marina supports sustainable fishing practices and encourages the use of artificial baits and lures. We encourage catch and release fishing practices (or take only what you need), so there is plenty for future generations to enjoy.

We'd love to hear about your adventures, particularly if you catch your fish of a lifetime, so let us know at the Gladstone Marina office.



# Explore

Whether you berth for one day to refresh, a week to relax, or a month to explore, there is a wide array of fun activities to do in the Gladstone region.

An information centre is located onsite in the Heron Island Ferry Terminal, a short stroll from the Marina, and is a wealth of information with brochures and material to browse.

## One Day Itinerary

Take your time to refresh, stock up on essentials, gas, shopping, and fuel. Jump on our courtesy bus to get your shopping or visit the Chandlery for any maintenance needs.

Visit one of the many local cafes for breakfast and relax in our magnificent Marina Parklands, Spinnaker Park or East Shores.

Stretch your legs and take a stroll or bike ride to the Auckland Point look out for panoramic views of the harbour and islands.

## Three Day Itinerary

One Day Itinerary +

Take your tender or stroll to the trawler wharf or wholesaler to buy fresh seafood direct off the boat, or visit the fish markets on the banks of Auckland Creek. Relax and picnic in the Marina Parklands with fresh prawns, scallops or bugs and a bottle of wine. Check with the Marina team to get the latest on which trawlers are in and what local produce may be available.

Wander further to the Gladstone Ports Corporation's East Shores precinct for magnificent harbour views and local dining experiences. Sample delicious dishes and locally brewed beers named after Gladstone Harbour islands. Watch the ships come and go and marvel at their size.

Spend some time in the new Marina Lounge and meet fellow boat owners. Try your hand at bocce or giant Jenga.

## Seven Day Itinerary

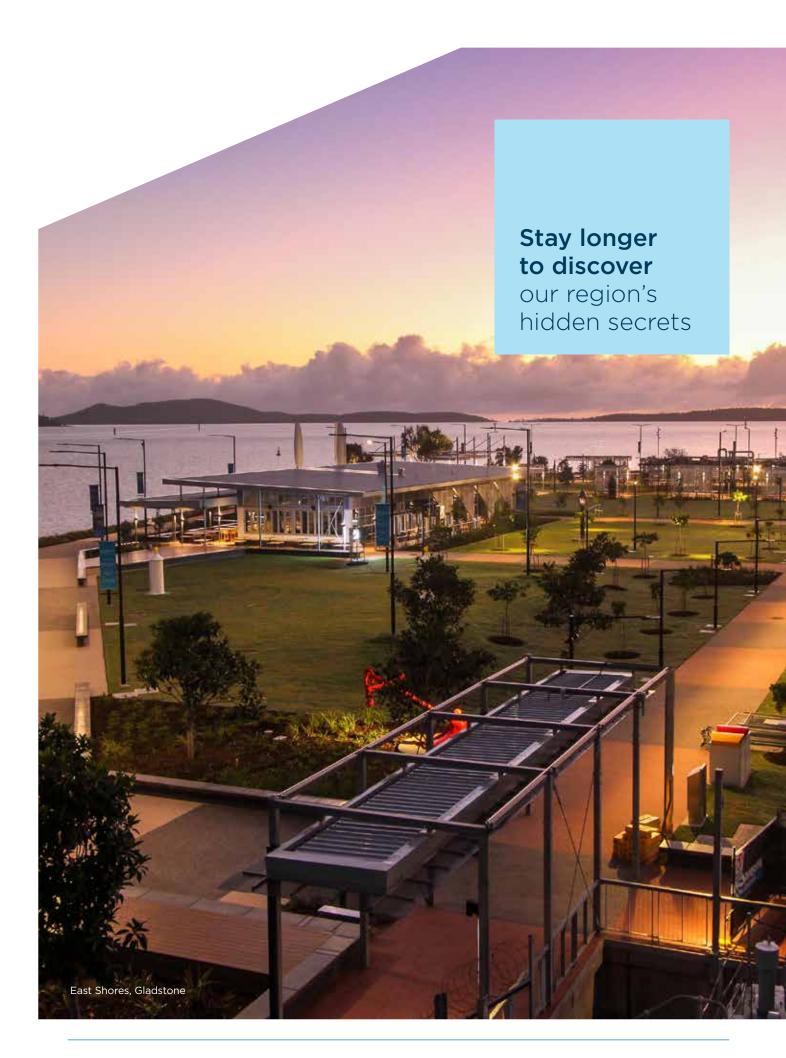
One & Three Day Itinerary +

Hire a car and explore the Gladstone region further afield.

Explore Tannum Sands and Lake Awoonga for the day — it's a short drive at only 30 kilometres south of Gladstone. Awoonga Dam and Tannum Sands Beach offer BBQs, picnic and park facilities to enjoy.

Take a day trip to Agnes Water and the Town of 1770 — the east coast's furthest north surf beach. The crystal clear tropical water and gentle rolling waves are perfect to learn surfing or hang ten for the more experienced. Surf lessons and board hire are available from a number of different local operators.

Grab a bite to eat and check out the local homewares, handmade gifts and fresh produce at one of the many weekend markets — most of them are free or a gold coin donation.





Carnarvon Gorge

Images courtesy of Tourism and Events Queensland





Gladstone Marina and Gladstone Ports Corporation (GPC) are dedicated to sustainable environmental practices through stringent environmental management and monitoring.

GPC has a dedicated Environment team that works with Marina staff to achieve the Marina's environmental goals. The excellent boating in the region relies on a pristine environment and we all have a duty to look after it. Gladstone Marina is proud to be an internationally accredited Clean Marina and Fish Friendly Marina, and runs an environmental management system certified to ISO 140001.

The Gladstone Marina:

- is the First Strike Oil response team
- manages biosecurity risks through awareness and a dedicated quarantine area
- provides bilge socks for Marina users (oil absorbent pads)
- provides sullage pump-out facilities for Marina users

- monitors air and water quality
- manages a comprehensive recycling and waste disposal, which includes recycling for batteries, as well as waste and collection points for oil filters and oil
- provides marine pest information at the Marina office.

## **Elimination of Single Use Plastics**

Gladstone Marina and GPC joined the fight to eliminate plastic waste by taking the Marina Industries Association (MIA) pledge to become a plastic-free marina by 2025.

The pledge is part of GPC's involvement in the *International Clean Marina Program* managed by the MIA — a voluntary, incentive-based education and outreach program.



GPC signed the MIA pledge ahead of Plastic Free July in 2020, along with 55 other marinas across Australia and the globe, including New Zealand, Fiji, Hong Kong and Papua New Guinea.

GPC is committed to reducing the carbon footprint on the environment by providing tap water for park users and encouraging eco-friendly habits.







# Emergency Information

If you need an ambulance, firefighter or police, call 000 and contact the Gladstone Marina office.

## **Fire Procedure**

On arrival, make yourself familiar with emergency evacuation points and emergency equipment layout.

In case of fire, call 000, contact the Gladstone Marina office or contact after-hours security on 07 4976 1213.

Follow Gladstone Marina staff directions and evacuate to your nearest evacuation point.

## **Extreme Weather Preparation**

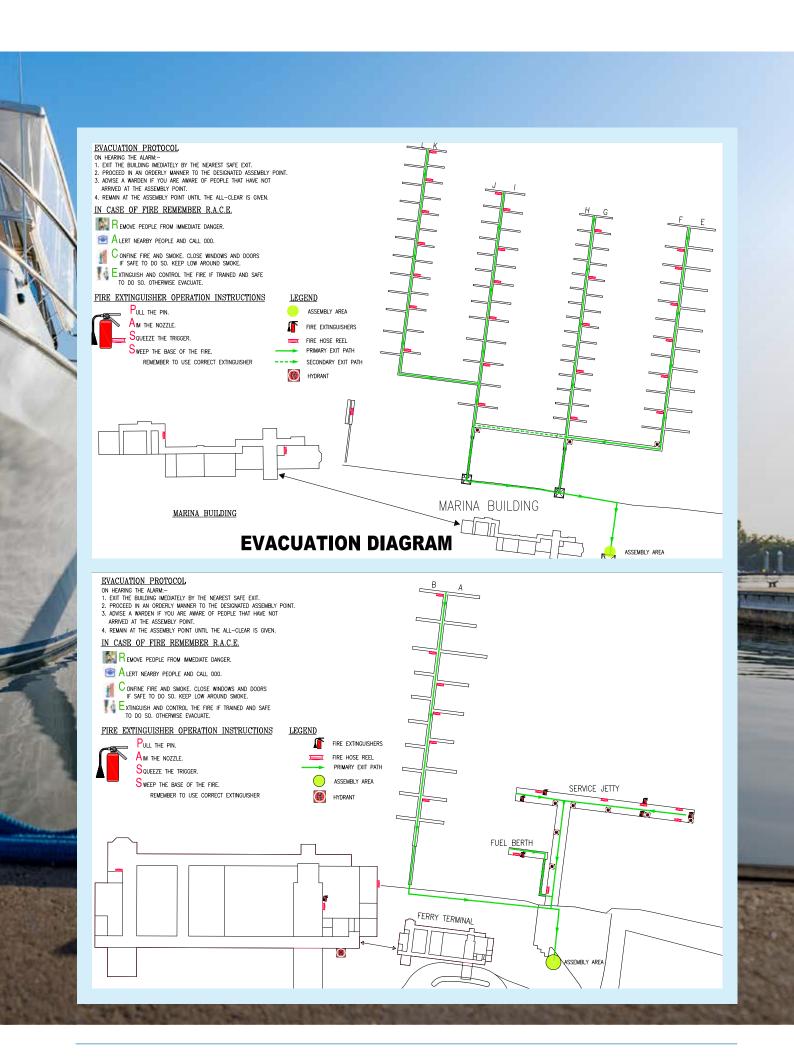
While the likelihood of a cyclone in Gladstone is small (the last Cyclone directly through Gladstone was in 1949), good preparation and plans will help ensure you and your vessel are best placed to deal with any extreme weather event. The Gladstone Marina Cyclone

Management Plan is part of the Marina Emergency Management Plan. Each plan includes a number of jobs and checklists that our team follows before, during and after any extreme weather event. The Marina team is highly trained on how to manage these events, ensuring your vessels and Gladstone Marina is in the best possible hands.

- **Ensure** that all contact details provided to Gladstone Marina are up to date.
- Check your insurance. It is compulsory and a requirement of your berthing to maintain insurance against any damage to vessels, environmental clean-up (discharge of any fuels, lubricants and sewage from holding tanks) and salvage.
- Observe neighbouring vessels for anything that may become hazardous to your vessel and surrounding vessels. If you see anything of concern, please contact the Marina office at your earliest convenience.
- Check the Bureau of Meteorology for regular updates — www.bom.gov.au.
- Refer to the Maritime Safety
   Queensland Gladstone website for
   Heavy Weather Event Procedure
   and alert warning systems (Extreme
   Weather Event Contingency Plan
   Gladstone Region 2020/21).
- Determine your plan as a vessel owner to manage your vessel in a cyclone event. Have a cyclone plan and ensure your family and crew are aware of it.

- Consider arrangements for access to your vessel by other parties (to secure or remove a vessel).
- Comply with all Marina mooring rules and directives.
- Lessen windage on your vessel and consider removing booms, solar panels and clears.
- Use long mooring lines and double them up. Do not tie off to a pile without consulting Marina Operations staff.
- Remove all loose equipment and lash down dinghies and tenders if they cannot be removed altogether.
- Always follow all Marina Operations staff directions.
- Always follow Regional Harbour Master directions.

If there is a Yellow Alert (24 hours prior to cyclone impact), it is our policy to remove all vessels from fixed wharves (service wharf and pilot wharf) to appropriately sized floating berths, if available.



# Bureau of Meteorology

# Tide Tables

G	2023							
Ti	LAT 23° 50' S LONG 151 imes and Heights of High and L		Local Time					
<b>JANUARY</b> Time m Time m	FEBRUARY Time m Time m	MARCH Time m Time m	APRIL Time m Time m					
1 0513 3.58 16 0403 3.31 1127 1.58 1022 1.79 SU 1721 3.35 MO 1603 3.27 2339 1.16 2228 1.31	1 0011 1.47 16 0558 3.89 0646 3.83 WE 1315 1.47 TH 1823 3.26 1914 3.15	1 0522 3.47 16 0418 3.62 1212 1.74 16 1108 1.57 WE 1810 2.91 TH 1700 3.03 2245 1.54	1 0026 1.63 16 0620 4.19 0635 3.74 16 1248 0.80 SA 1301 1.33 SU 1853 3.79 1913 3.37					
<b>2</b> 0612 3.78 <b>17</b> 0515 3.58 MO 1823 3.29 TU 1718 3.27 2329 1.16	<b>2</b> 0107 1.35 <b>17</b> 0013 1.20 0731 3.99 <b>17</b> 0659 4.22 TH 1357 1.32 FR 1330 1.01 1959 3.28 FR 1530 3.51	<b>2</b> 0000 1.73 <b>17</b> 0542 3.91 0626 3.69 TH 1300 1.50 FR 1817 3.33 1902 3.15	<b>2</b> 0105 1.41 <b>17</b> 0055 0.98 0713 3.91 W 1331 1.17 MO 1333 0.60 1944 3.55 MO 1337 4.04					
<b>3</b> 0030 1.11 <b>18</b> 0616 3.91 TU 1321 1.35 WE 1830 3.35 1917 3.28	<b>3</b> 0150 1.24 <b>18</b> 0119 0.94 0810 4.10 FR 1433 1.21 SA 1419 0.74 2036 3.37 SA 1419 0.74	3     0057     1.52     18     0008     1.27       0711     3.88     0644     4.23       FR 1336     1.32     SA 1314     0.90       1942     3.35     1914     3.65	3     0138 0745 0745 0745 0745 0745 0745 0745 0745					
<b>4</b> 0115 1.07 <b>19</b> 0028 0.99 0714 4.22 WE 1406 1.24 TH 1338 1.05 2003 3.28 1930 3.47	<b>4</b> 0225 1.14 <b>19</b> 0215 0.69 0838 4.71 SA 1505 1.14 SU 1504 0.53 2108 3.44 SU 1504 0.53	<b>4</b> 0136 1.33 <b>19</b> 0113 0.96 0734 4.48   SA 1408 1.19 SU 1400 0.64 2015 3.50 SU 1400 3.91	4     0209 1.06 0816 4.10       TU 1430 0.91 2041 3.85     0.91 0.45 2057 4.35					
5     0155 0155 0155 0155 0155 0155 0155 0155	<b>5</b> 0255 1.06 <b>20</b> 0302 0.50 0915 4.20 0922 4.80 SU 1534 1.09 MO 1547 0.41 2136 3.48 ● 2145 4.07	<b>5</b> 0209 1.17 <b>20</b> 0202 0.70 0819 4.62 SU 1437 1.09 MO 1442 0.46 2045 3.60 MO 2042 4.12	<b>5</b> 0241 0.95 <b>20</b> 0308 0.66 0910 4.14 WE 1459 0.80 TH 1525 0.51 2110 3.98 ■ 2134 4.40					
6 0229 1.04 21 0219 0.66 0857 4.17 21 0849 4.66 FR 1521 1.14 SA 1520 0.62 2120 3.29 2114 3.72	6 0323 1.00 21 0346 0.42 0943 4.22 1 1004 4.78 MO 1602 1.06 TU 1628 0.40 ○ 2202 3.52 TU 1628 0.40	<b>6</b> 0238 1.04 <b>21</b> 0247 0.53 0850 4.21 MO 1505 1.00 TU 1520 0.38 2112 3.69 TU 222 4.27	6 0314 0.88 21 0348 0.75 0947 3.92   TH 1528 0.75   ○ 2140 4.07   FR 1557 0.65   2213 4.35					
<b>7</b> 0300 1.04 <b>22</b> 0311 0.54 0929 4.16 20 0937 4.77 SA 1554 1.14 SU 1607 0.51 ○ 2152 3.28 ○ 2201 3.81	7 0351 0.98 22 0429 0.48 1012 4.21 1045 4.63 TU 1630 1.04 WE 1706 0.50 2230 3.55 2309 4.12	<b>7</b> 0306 0.94 <b>22</b> 0329 0.48 0918 4.24 0938 4.55 TU 1533 0.93 WE 1558 0.40 ○ 2138 3.77 ○ 2200 4.34	<b>7</b> 0347 0.88 <b>22</b> 0427 0.93 0947 3.98 FR 1557 0.76 SA 1626 0.88 2211 4.12 2249 4.21					
<b>8</b> 0328 1.06 <b>23</b> 0359 0.49 1000 4.13 1024 4.78 1025 1.16 MO 1652 0.49 2220 3.26 2248 3.85	<b>8</b> 0420 1.00 <b>23</b> 0508 0.69 1041 4.16 WE 1700 1.04 TH 1744 0.71 2259 3.56 TH 1744 0.21	<b>8</b> 0335 0.90 <b>23</b> 0408 0.57 0946 4.22 1015 4.35 WE 1600 0.88 TH 1632 0.54 2240 4.31	<b>8</b> 0423 0.95 <b>23</b> 0504 1.16 1018 3.81 SA 1625 0.84 2245 4.11 2326 4.00					
<b>9</b> 0356 1.08 <b>24</b> 0445 0.55 1.08 MO 1655 1.18 TU 1736 0.57 2249 3.24 2334 3.83	9 0450 1.09 24 0547 1.01 1112 4.05 1203 3.97 TH 1730 1.09 FR 1818 0.99 2330 3.54	<b>9</b> 0406 0.91 <b>24</b> 0446 0.78 1052 4.04 TH 1629 0.88 FR 1704 0.77 2234 3.87 2318 4.18	<b>9</b> 0500 1.08 <b>24</b> 0542 1.42 1052 3.60 MO 1702 1.40 2321 4.03					
<b>10</b> 0426 1.14 <b>25</b> 0529 0.73 1104 4.02 <b>25</b> 1156 4.46 TU 1727 1.22 WE 1819 0.73 2320 3.21	10 0522 1.24 25 0032 3.84 1143 3.89 25 0628 1.38 FR 1800 1.18 SA 1242 3.56 1852 1.29	10 0437 0.99 25 0524 1.08 1043 4.00	<b>10</b> 0541 1.28 <b>25</b> 0005 3.75 1130 3.35 <b>25</b> 0625 1.66 MO 1721 1.18 TU 1220 2.77 1726 1.66					
<b>11</b> 0459 1.24 <b>26</b> 0021 3.75 1140 3.92 <b>26</b> 0614 1.01 WE 1801 1.28 TH 1242 4.16 2356 3.17 1902 0.95	11 0005 3.49 26 0120 3.64 0717 1.74 SA 1217 3.68 SU 1328 3.16 1931 1.57	<b>11</b> 0510 1.15 <b>26</b> 0601 1.42 1113 3.80 <b>26</b> 1203 3.27 SA 1723 1.06 2339 3.80 SU 1753 1.37	<b>11</b> 0005 3.89 <b>26</b> 0055 3.51 1.49					
<b>12</b> 0534 1.39 <b>27</b> 0111 3.63 1.35 1.34 FR 1328 3.80 1948 1.18	12 0048 3.42 27 0222 3.44 0846 2.00 SU 1300 3.44 MO 1436 2.84 1913 1.41 0 2042 1.80	<b>12</b> 0545 1.35 <b>27</b> 0039 3.72 1145 3.55 <b>27</b> 0646 1.75 SU 1750 1.22 MO 1246 2.91 1818 1.68	<b>12</b> 0104 3.73 <b>27</b> 0202 3.34 0904 1.88 WE 1336 2.91 TH 1509 2.57 1914 1.64 2056 2.08					
<b>13</b> 0038 3.13 <b>28</b> 0207 3.50 616 1.57 <b>28</b> 0802 1.67 FR 1300 3.64 91 1.40 SA 1419 3.44 1921 1.40 2041 1.38	13 0147 3.37 28 0350 3.36 1051 1.97 MO 1400 3.20 TU 1637 2.73 2016 1.52 TU 2223 1.86	<b>13</b> 0019 3.70 <b>28</b> 0133 3.47 0805 1.98 MO 1229 3.28 TU 1359 2.64 1925 1.41 TU 1.97	13 0227 3.64 28 0328 3.30 0923 1.60 1.76 TH 1515 2.90 FR 1656 2.76					
<b>14</b> 0133 3.10 <b>29</b> 0315 3.43	<b>14</b> 0312 3.39 0948 1.87 TU 1524 3.05 ① 2141 1.53	<b>14</b> 0115 3.57 <b>29</b> 0255 3.31 1015 1.98 TU 1334 3.02 WE 1615 2.60 1928 1.61 <b>2</b> 2151 2.05	<b>14</b> 0401 3.74 <b>29</b> 0446 3.41 1.56 FR 1651 3.13 SA 1750 3.03 2237 1.52 2335 1.73					
<b>15</b> 0245 3.14 30 0435 3.47 0845 1.87 30 1107 1.85 SU 1453 3.35 MO 1653 3.00 € 2121 1.41 2259 1.54	<b>15</b> 0442 3.58 1118 1.66 WE 1700 3.08 2259 1.41	<b>15</b> 0238 3.50 <b>30</b> 0439 3.34 0931 1.81 0142 1.76 WE 1511 2.90 TH 1749 2.85	<b>15</b> 0520 3.96 <b>30</b> 0541 3.58 1208 1.36 SA 1800 3.47 SU 1829 3.30 2356 1.25					
<b>31</b> 0549 3.63 1222 1.67 TU 1815 3.03		<b>31</b> 0548 3.54 1227 1.53 FR 1836 3.13						
© Copyright Commonwealth Datum of Predictions is Low	h of Australia 2022, Bureau of M vest Astronomical Tide	/leteorology	Updated on 01-Aug-2022					

First Quarter

O Full Moon

Last Quarter

Times are in local standard time (Time Zone UTC +10:00)

Moon Phase Symbols 

New Moon

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GLADSTONE - QUEENSLAND LAT 23° 50' S LONG 151° 15' E											2023							
		ΑY	Ti		leigh	ts of High		ow Waters					Local Time					
Time	m	Time		NE Time	m	Time		LY	ime m	ı	Time		iUST	Time	m			
	1.51 3.73 1.17	16 0033 0639	1.08 4.01 0.67		1.24 3.60 0.84	16 0157 FR 1352	1.09	<b>1</b> 0128 0717 SA 1313 1952	1.10 3.35 0.78	16 0 SU 1		7 8 0 1	<b>1</b> 0257 0849 U 1445	0.56 3.53	16		0.90 3.34 0.87	
<b>2</b> 0059 0700 TU 1315 1933	0.99	<b>17</b> 0124 0724 WE 1342 1955	0.61	<b>2</b> 0148 0741 FR 1344 2013	0.73	<b>17</b> 0241 0834 SA 1429 2056	1.05 3.31 0.88 4.21	<b>2</b> 0218 0809 SU 1400 2038	0.68	MO 1	312 1.0 910 3.1 457 0.9 121 4.0	9   w	<b>2</b> 0344 0937 /E 1535 2159	0.37	TH	0350 0952 1542 2159	0.85	
<b>3</b> 0136 0737 WE 1348 2006	0.84	<b>18</b> 0209 0806 TH 1418 2033	0.62	<b>3</b> 0232 0824 SA 1423 2053	0.67	18 0321 0916 SU 1502 • 2132	0.95	<b>3</b> 0308 0859 MO 1450 2124	0.61	TU 1	345 1.0 945 3.1 527 1.0 153 4.0	0   7	3 0428 1023 H 1622 2245	0.31 3.75 0.36 4.64	FR	0416 1017 1610 2226	0.88	
<b>4</b> 0214 0813 TH 1421 2040	0.73	<b>19</b> 0251 0846 FR 1453 2112	0.69	<b>4</b> 0317 0908 SU 1502 2134	0.66	19 0400 0955 MO 1532 2208	1.08 3.16 1.05 4.08	<b>4</b> 0357 0947 TU 1540 2211	0.57	WE 1	416 1.0 015 3.1 555 1.0 223 4.0	1 F	4 0511 1110 R 1706 2329		SA	0444 1045 1639 2254	0.96	
	0.68	<b>20</b> 0331 0927 SA 1525 2149	0.81	<b>5</b> 0403 0953 MO 1544 2218	0.71			<b>5</b> 0445 1037 WE 1630 2300	0.60	TH 1	0445 1.0 044 3.1 623 1.0 253 3.9	5   5	<b>5</b> 0553 1157 A 1751		SU		1.11	
<b>6</b> 0330 0924 SA 1526 2150	0.69	<b>21</b> 0411 1006 SU 1552 2226	0.99	<b>6</b> 0451 1042 TU 1628 2307	0.82	<b>21</b> 0509 1104 WE 1627 2316	1.22 3.01 1.24 3.86	<b>6</b> 0532 1128 TH 1719 2350	0.70	FR 1	515 1.0 113 3.1 653 1.1 325 3.8	3   8	6 0013 0635 U 1246 1837	4.17 0.64 3.67 1.04	MO	0538 1151 1742 2354	1.30	
<b>7</b> 0411 1001 SU 1559 2228	0.78	<b>22</b> 0448 1044 MO 1614 2301	1.18	<b>7</b> 0543 1134 WE 1717	0.88 3.29 0.97		1.30 3 2.95 1 1.36 3 3.74	<b>7</b> 0620 1220 FR 1809	0.65 3.50 0.87	<b>22</b> <sup>0</sup> <sub>1</sub> <sub>SA 1</sub>	545 1.1 145 3.1 726 1.2	2 4 6 M	<b>7</b> 0059 0720 0 1340 1932	0.88	22	0607 1230 1821	3.27	
	0.93	<b>23</b> 0526 1120 TU 1634 2340	1.36	<b>8</b> 0000 0637 TH 1232 1815	3.23	23 0619 FR 1740	1.37 2.90 1.50	<b>8</b> 0042 0710 SA 1315 1902	4.23 0.76 3.46 1.10	23 0 SU 1	000 3.7 618 1.1 225 3.1 802 1.4	2 8 0 1 4	<b>8</b> 0149 0810 U 1443 D 2051	3.45	WE		3.20	
		<b>24</b> 0606 1200 WE 1703		<b>9</b> 0100 0735 FR 1336 1921	3.21	<b>24</b> 0037 SA 1306 1831	3.62 1.43 2.87 1.66	<b>9</b> 0135 0801 SU 1415 2005	3.44	MO 1	037 3.5 656 1.2 313 3.0 850 1.6	6 N	9 0253 0913 /E 1559 2233	3.04 1.29 3.43 1.70	TH	0126 0739 1439 2112	3.19	
<b>10</b> 0001 0640 WE 1230 1803	3.06	<b>25</b> 0023 0654 TH 1252 1751	2.70	<b>10</b> 0203 0837 SA 1445 2035	3.26	SU 1405	3.50 1.45 2.88 1.80	10 0230 0858 MO 1519 0 2122	3.46	TU 1	121 3.3 743 1.3 414 3.0	6   7	0419 1025 H 1718	2.83 1.36 3.53	FR	0249 0906 1608 2251	3.33	
<b>11</b> 0104 0749 TH 1344 1924	2.98	<b>26</b> 0117 0755 FR 1359 1918	2.67	11 0309 0941 SU 1555 D 2153	3 40	26 0220 0849 MO 1514 ① 2116	2.97	11 0332 0958 TU 1630 2246	3.54	WF 1	217 3.1 843 1.3 527 3.1	5   F	<b>1</b> 0000 0550 R 1144 1825	1.53 2.84 1.33 3.71	<b>26</b> SA	0429 1026 1728	2.79 1.31 3.62	
<b>12</b> 0220 0905 FR 1507 2056	3.06	<b>27</b> 0220 0904 SA 1516 2115	2.75	<b>12</b> 0413 1042 MO 1701 2308	3.60	TU 1623	3.31 1.34 3.15 1.73	<b>12</b> 0441 1059 WE 1737	3.25 1.09 3.69	TH 1	329 3.0 951 1.3 643 3.3 310 1.6	6   8	<b>2</b> 0059 0655 A 1248 1915	1.31 2.98 1.21 3.87	SU	0005 0555 1138 1831	1.10	
SA 1627	3.28	28 0326 1007 SU 1631 ① 2230	2.94	<b>13</b> 0514 1138 TU 1800		WE 1725		<b>13</b> 0001 0552 TH 1158 1836	1.08	28 <sup>0</sup> FR <sup>1</sup>	0446 2.9 055 1.1 749 3.6	9 7 5	<b>3</b> 0144 0743 U 1337 1957		MO		0.85	
	0.96 3.57	<b>29</b> 0427 1100 MO 1728 2328	1.36 3.20		3.57 0.84	29 0523 TH 1818	1.05		3.13 1.05	<b>25</b> <sub>0</sub>		7   I 1   N 6	0821 O 1415 2032	3.23 0.99 4.05	TU		3.51 0.58	
<b>15</b> 0548 1215 MO 1827	4.01 0.79 3.85	<b>30</b> 0521 1145 TU 1813		<b>15</b> 0108 0702 TH 1312 1936	0.82	FR 1225		<b>15</b> 0151 0747 SA 1340 2008	1.02	SU 1	115 1.0 705 3.2 253 0.8 938 4.2	4   7	<b>5</b> 0253 0855 U 1447 2103	0.94 3.30 0.92 4.08	WE	0240 0834 1436 2056	3.73 0.36	
		<b>31</b> 0017 0611 WE 1226 1854	3.57 0.99							<b>31</b> 0	208 0.7 800 3.3 352 0.6 026 4.4	8 6			IН	0322 0918 1522 2138	0.24	
Datum o	of Pre	edictions i	s Low	est Astron	omic	al Tide		Meteorolog	IY				Upda	ted or	n 01-	Aug-2	2022	
		local star Symbols		time (Time New Mo				t Quarter		() F	Full Mo	on						

## Bureau of Meteorology Tide Tables

	GLADSTONE – QUEENSLAND  LAT 23° 50' S LONG 151° 15' E							
	Times and Heights of	High and Low Waters	Local Time					
SEPTEMBER Time m Time	m   Time m	NOVEMBER Time m   Time m   Time m						
1 0402 0.14 16 0344 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.69 3.64 0.79	0335 0.62 <b>1</b> 0437 0.92 <b>16</b> 0409 0.83 0.953 3.92 <b>1</b> 1115 3.97 <b>16</b> 1049 4.06	1 0433 1.25 16 0450 0.88 1 1133 3.83 16 1132 4.27 FR 1802 1.38 SA 1808 0.93 2355 2.83 2359 3.29					
2 0442 0.20 17 0410 0 1045 4.04 1 1018 3 8A 1647 0.41 SU 1622 0 2300 4.29 2225 3	0.70 3.66 <b>2</b> 0444 0.46 <b>17</b> 0.88 MO 1708 0.82 TU	<b>2</b> 0402 0.71 <b>2</b> 0458 1.22 <b>17</b> 0445 1.00 1026 3.89 <b>2</b> 0458 1.22 <b>17</b> 0445 1.00	<b>2</b> 0500 1.45 <b>17</b> 0542 1.03 1217 3.64 1.7 SA 1846 1.52 SU 1900 0.99					
<b>3</b> 0520 0.38 <b>18</b> 0435 0 1129 3.97 SU 1729 0.71 MO 1654 2253 3	1.04   TU 1751 1.17 WE	<b>3</b> 0017 2.69 <b>18</b> 0532 1.21 1100 3.81 51721 1.18 FR 1253 3.47 SA 1915 1.27 1927 1.66	<b>3</b> 0042 2.72 <b>18</b> 0057 3.25 0542 1.66 0641 1.20 SU 1307 3.49 MO 1325 4.05 1939 1.60 MO 1525 1.05					
<b>4</b> 0557 0.66 <b>19</b> 0500 0 11215 3.82 TU 1728 0332 3	1.23   WE 1842 1.51 TH		4     0141 0703 1.85       19     0201 0749 1.36       0703 1.85     0749 1.36       0704 1.404 0749 1.36     0749 1.36       0705 1.407 0749 1.36     0749 1.36       0707 0749 1.36     0749 1.36       0708 0749 1.36     0749 1.36       0709 1.36     0749 1.36 <t< td=""></t<>					
<b>5</b> 0022 3.47 <b>20</b> 0525 0633 0.98 1200 3 1200 3 1.47			<b>5</b> 0256 2.71 <b>20</b> 0312 3.35 0858 1.90 0906 1.45 TU 1505 3.35 WE 1530 3.78					
6 0110 3.03 21 0000 3 0715 1.30 21 0556 3 0556 3 0715 1.75 TH 1252 3 1912	3.36   FR 1448 3.25 SA	0100     2.73       0634     1.48       1355     3.48       2045     1.52       050     1.52       0435     2.67       21     0346       3.12     0938       1.39     0938       1.39     1.39       MO     1630       3.35     TU       1.69     3.85       2313     1.44       245     0.96	6     0417     2.87     21     0423     3.52       1015     1.82     1.027     1.45       WE 1606     3.35     TH 1633     3.65       2241     1.40     2302     0.98					
7 0219 2.68 22 0100 2 0827 1.55 22 0650 2 TH 1527 3.31 FR 1408 3 € 2227 1.76 2055	1.45 0947 1.81 <b>44</b> 3.29 SA 1621 3.28 SU	<b>6</b> 0827 1.56	<b>7</b> 0519 3.13 <b>22</b> 0529 3.75 1115 1.67 <b>22</b> 1140 1.36 TH 1703 3.38 FR 1738 3.54 2328 1.23 90.91					
8 0413 2.56 23 0236 2 0837 5 1.52 SA 1545 3 1.52	3.39 Su 1730 3.45 MC		<b>8</b> 0604 3.41 <b>23</b> 0626 3.98 1.205 1.49 SA 1838 3.46					
<b>9</b> 0549 2.73 <b>24</b> 0426 3 1.49 SA 1806 3.58 SU 1709 3 2350	3.68   MO 1208 1.39 TU	9 0029 1.06 <b>24</b> 0032 0.61 1117 1.13 J 1745 4.03 TH 1245 1.22 TH 255 0.92 1846 3.69 1857 3.88	9 0009 1.06 24 0049 0.86 SA 1250 1.32 SU 1336 1.12 1844 3.45 SU 1336 3.41					
<b>10</b> 0045 1.27 <b>25</b> 0545 3 0645 2.99 MO 1813 4 1855 3.77	10 0047 1.12 25 1.13 4.02 TU 1248 1.19 WE 1858 3.79	0018 0.70 0620 3.61 1220 0.87 1837 4.19	<b>10</b> 0047 0.92 <b>25</b> 0135 0.84 0.92 0.93 0.93 0.94 0.92 0.93 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94					
<b>11</b> 0122 1.08 <b>26</b> 0045 0 0045 0 0043 0 004	0.82   WE 1323 1.03 TH	0 104 0.46 0708 3.90 1 11 0131 0.76 26 0156 0.49 0811 4.33 14134 0.66 SA 1359 0.97 SU 1430 0.80 1958 3.70 2027 3.65	<b>11</b> 0126 0.80 <b>26</b> 0217 0.85 0759 4.11 TU 1509 1.01 2104 3.34					
<b>12</b> 0155 0.95 <b>27</b> 0132 0 0800 3.35 <b>27</b> 0730 3 TU 1355 0.96 WE 1332 0 1950 4.00	0.55   TH 1354 0.91 FF		<b>12</b> 0203 0.73 <b>27</b> 0256 0.90 0921 4.29 TU 1500 0.92 WE 1549 1.02 2053 3.44 2145 3.30					
13 0224 0.86 28 0215 0 0813 3 WE 1425 0.86 TH 1419 0 2032 4	0.36   FR 1426 0.83 SA	0 0225 0.24 0830 4.28 d 0858 4.10 0858 4.10 0858 4.10 1559 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.9	<b>13</b> 0242 0.69 <b>28</b> 0331 0.97 0959 4.22 WE 1545 0.86 TH 1628 1.08 2135 3.42					
<b>14</b> 0251 0.79 <b>29</b> 0255 0 0855 1 0.80 FR 1503 0 080 C 2103 4.06	0.28   SA 1458 0.79 SU	0301 0.27 0911 4.36 0 1528 0.55 0 2126 3.85	<b>14</b> 0322 0.70 <b>29</b> 0401 1.07 0958 4.36 <b>29</b> 1034 4.11 TH 1630 0.85 FR 1702 1.17 2219 3.38 FR 1702 1.17					
15 0317 0.73 30 0332 0 6 0923 3.59 30 0936 2 FR 1521 0.77 SA 1545 0 2130 4.02 2151 4	0.34   SU 1531 0.80 MC	0936 0.40 0952 4.33 01610 0.72 WE 1634 0.96 TH 1721 1.22 2207 3.58 WE 2221 3.29 2315 2.97	<b>15</b> 0404 0.77 <b>30</b> 0429 1.18 1043 4.34					
	<b>31</b>	0409 0.63 1032 4.19 J 1652 0.95 2247 3.26	<b>31</b> 0456 1.31 1144 3.87 SU 1807 1.34					
Datum of Predictions is	realth of Australia 2022, Lowest Astronomical Ti	ide	Updated on 01-Aug-2022					
I imes are in local stand Moon Phase Symbols	dard time (Time Zone U1  ■ New Moon	TC +10:00)  ◆ First Quarter ← Full Moon	Last Quarter					

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Compleat Angler (recreational fuel): 07 4972 7283

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Gladstone Marine Centre (chandlery and boat yard): 07 4972 7111

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