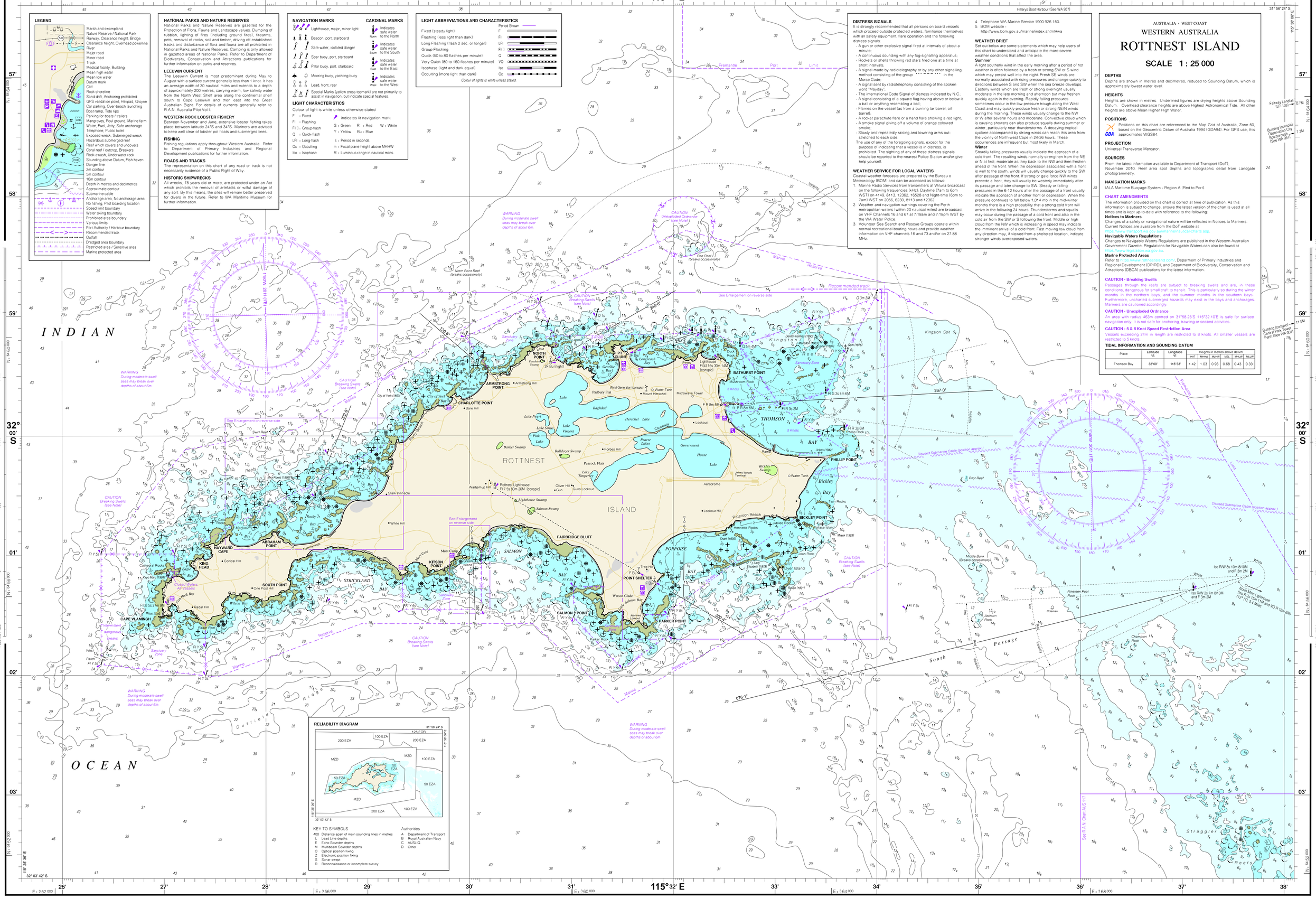
DEPTHS IN METRES

SEE RELATED PUBLICATIONS Notice to Mariners (https://www.transport.wa.gov.au/marine/nautical-charts.asp), Symbols, Abbreviations and Terms (INT 1), Tide Tables, Sailing Directions. For surveys beyond this chart refer to RAN Charts AUS 112,AUS 117 and AUS 754



LEGEND

- Marsh and swampland
- Nature Reserve / National Park
- Railway, Clearance height, Bridge
- Clearance height, Overhead powerline
- River
- Major road
- Minor road
- Track
- Medical facility, Building
- Mean high water
- Mean low water
- Datum mark
- Cliff
- Rock shoreline
- Sand drift, Anchoring prohibited
- GPS validation point, Helipad, Groyne
- Car parking, Over-beach launching
- Boat ramp, Tide rips
- Parking for boats / trailers
- Mangroves, Foul ground, Marine farm
- Water, Fuel, Jetty, Safe anchorage
- Telephone, Public toilet
- Exposed wreck, Submerged wreck
- Hazardous submerged reef
- Reef which covers and uncovers
- Coral reef / outcrop, Breakers
- Rock awash, Underwater rock
- Sounding above Datum, Fish haven
- Danger line
- 2m contour
- 5m contour
- 10m contour
- Depth in metres and decimetres
- Approximate contour
- Submarine cable
- Anchorage area, No anchorage area
- No fishing, Pilot boarding location
- Speed limit boundary
- Water skiing boundary
- Prohibited area boundary
- Various limits
- Port Authority / Harbour boundary
- Recommended track
- Outfall
- Dredged area boundary
- Restricted area / Sensitive area
- Marine protected area

NATIONAL PARKS AND NATURE RESERVES

National Parks and Nature Reserves are gazetted for the Protection of Flora, Fauna and Landscape values. Dumping of rubbish, lighting of fires (including ground fires), firearms, pets, removal of rocks, soil and timber, driving off established tracks and disturbance of flora and fauna are all prohibited in National Parks and Nature Reserves. Camping is only allowed in gazetted areas of National Parks. Refer to Department of Biodiversity, Conservation and Attractions publications for further information on parks and reserves.

LEEUWIN CURRENT

The Leeuwin Current is most predominant during May to August with a surface current generally less than 1 knot. It has an average width of 30 nautical miles and extends to a depth of approximately 200 metres, carrying warm, low salinity water from the North West Shelf area along the continental shelf south to Cape Leeuwin and then east into the Great Australian Bight. For details of currents generally refer to R.A.N. Australia Pilot Vol I.

WESTERN ROCK LOBSTER FISHERY

Between November and June, extensive lobster fishing takes place between latitude 24°S and 34°S. Mariners are advised to keep well clear of lobster pot floats and submerged lines.

FISHING

Fishing regulations apply throughout Western Australia. Refer to Department of Primary Industries and Regional Development publications for further information.

ROADS AND TRACKS

The representation on this chart of any road or track is not necessarily evidence of a Public Right of Way.

HISTORIC SHIPWRECKS

All wrecks 75 years old or more, are protected under an Act which prohibits the removal of artefacts or wilful damage of any sort. By this means, the sites will remain better preserved for divers in the future. Refer to WA Maritime Museum for further information.

NAVIGATION MARKS

- Lighthouse, major, minor light
- Beacon, port, starboard
- Safe water, isolated danger
- Spar buoy, port, starboard
- Pillar buoy, port, starboard
- Mooring buoy, yachting buoy
- Lead, front, rear
- Special Marks (yellow cross topmark) are not primarily to assist in navigation, but indicate special features.

CARDINAL MARKS

- North: Indicates safe water to the North
- South: Indicates safe water to the South
- East: Indicates safe water to the East
- West: Indicates safe water to the West

LIGHT CHARACTERISTICS

Colour of light is white unless otherwise stated

F : Fixed
Fl : Flashing
Fl(I) : Group-flash
Q : Quick-flash
LFl : Long-flash
Oc : Occulting
Iso : Isophase

indicates lit navigation mark

G : Green R : Red W : White
Y : Yellow Bu : Blue

s : Period in seconds
m : Focal plane height above MHHW
M : Luminous range in nautical miles

LIGHT ABBREVIATIONS AND CHARACTERISTICS

		Period Shown
Fixed (steady light)	F	
Flashing (less light than dark)	Fl	
Long Flashing (flash 2 sec. or longer)	LFl	
Group Flashing	Fl(I)	
Quick (50 to 80 flashes per minute)	Q	
Very Quick (80 to 160 flashes per minute)	VQ	
Isophase (light and dark equal)	Iso	
Occulting (more light than dark)	Oc	

Colour of lights is white unless stated.

DISTRESS SIGNALS

It is strongly recommended that all persons on board vessels which proceed outside protected waters, familiarise themselves with all safety equipment, flare operation and the following distress signals.

- A gun or other explosive signal fired at intervals of about a minute;
- A continuous sounding with any fog-signalling apparatus;
- Rockets or shells throwing red stars fired one at a time at short intervals;
- A signal made by radiotelegraphy or by any other signalling method consisting of the group ••• – – – ••• in the Morse Code;
- A signal sent by radiotelephony consisting of the spoken word "Mayday";
- The international Code Signal of distress indicated by N C ;
- A signal consisting of a square flag having above or below it a ball or anything resembling a ball;
- Flames on the vessel (as from a burning tar barrel, oil barrel);
- A rocket parachute flare or a hand flare showing a red light;
- A smoke signal giving off a volume of orange coloured smoke;
- Slowly and repeatedly raising and lowering arms outstretched to each side.

The use of any of the foregoing signals, except for the purpose of indicating that a vessel is in distress, is prohibited. The sighting of any of these distress signals should be reported to the nearest Police Station and/or give help yourself.

WEATHER SERVICE FOR LOCAL WATERS

Coastal weather forecasts are prepared by the Bureau o Meteorology (BOM) and can be accessed as follows:

1. Marine Radio Services from transmitters at Wiluna broadcast on the following frequencies (kHz): Daytime (7am to 6pm WST) on 4149, 8113, 12362, 16528 and Night-time (6pm to 7am) WST on 2056, 6230, 8113 and 12362.
2. Weather and navigation warnings covering the Perth metropolitan waters (within 20 nautical miles) are broadcast on VHF Channels 16 and 67 at 7.18am and 7.18pm WST by the WA Water Police.
3. Volunteer Sea Search and Rescue Groups operate within normal recreational boating hours and provide weather information on VHF channels 16 and 73 and/or on 27.88 MHz.
4. Telephone WA Marine Service 1900 926 150.
5. BOM website : http://www.bom.gov.au/marine/index.shtml#wa

WEATHER BRIEF

Set out below are some statements which may help users of this chart to understand and anticipate the more severe weather conditions that affect the area.

Summer
A light southerly wind in the early morning after a period of hot weather is often followed by a fresh or strong SW or S wind which may persist well into the night. Fresh SE winds are normally associated with rising pressures and change quickly to directions between S and SW when the sea breeze develops. Easterly winds which are fresh or strong overnight usually moderate in the late morning and afternoon but may freshen quickly again in the evening. Rapidly falling pressures sometimes occur in the low pressure trough along the West Coast and may quickly produce fresh or strong NE/N winds during the morning. These winds usually change to the NW or W after several hours and moderate. Convective cloud which is causing showers can also produce squalls during summer or winter, particularly near thunderstorms. A decaying tropical cyclone accompanied by strong winds can reach this area from the vicinity of North-west Cape in 24-36 hours. These occurrences are infrequent but most likely in March.

Winter
Steadily falling pressures usually indicate the approach of a cold front. The resulting winds normally strengthen from the NE or N at first, moderate as they back to the NW and then freshen ahead of the front. When the depression associated with a front is well to the south, winds will usually change quickly to the SW after passage of the front. If strong or gale force NW winds precede a front, they will usually be westerly immediately after its passage and later change to SW. Steady or falling pressures in the 6-12 hours after the passage of a front usually indicate the approach of another front or depression. When the pressure continues to fall below 1,014 mb in the mid-winter months there is a high probability that a strong cold front will arrive in the following 24 hours. Thunderstorms and squalls may occur during the passage of a cold front and also in the cold air from the SW or S following the front. Middle or high cloud from the NW which is increasing in speed may indicate the imminent arrival of a cold front. Fast moving low cloud from any direction may, if viewed from a sheltered location, indicate stronger winds overexposed waters.

AUSTRALIA - WEST COAST

WESTERN AUSTRALIA

ROTTNEST ISLAND

SCALE 1 : 25 000

DEPTHS

Depths are shown in metres and decimetres, reduced to Sounding Datum, which is approximately lowest water level.

HEIGHTS

Heights are shown in metres. Underlined figures are drying heights above Sounding Datum. Overhead clearance heights are above Highest Astronomical Tide. All other heights are above Mean Higher High Water.

POSITIONS

Positions on this chart are referenced to the Map Grid of Australia, Zone 50, based on the Geocentric Datum of Australia 1994 (GDA94). For GPS use, this approximates WGS84.

GDA

PROJECTION

Universal Transverse Mercator.

SOURCES

From the latest information available to Department of Transport (DoT), November 2010. Reef area spot depths and topographic detail from Landgate photogrammetry.

NAVIGATION MARKS

IALA Maritime Buoyage System - Region A (Red to Port).

CHART AMENDMENTS

The information provided on this chart is correct at time of publication. As this information is subject to change, ensure the latest version of the chart is used at all times and is kept up-to-date with reference to the following.

Notices to Mariners
Changes of a safety or navigational nature will be reflected in Notices to Mariners. Current Notices are available from the DoT website at : https://www.transport.wa.gov.au/marine/nautical-charts.asp.

Navigable Waters Regulations
Changes to Navigable Waters Regulations are published in the Western Australian Government Gazette. Regulations for Navigable Waters can also be found at : www.slp.wa.gov.au.

Marine Protected Areas
Refer to https://www.rottnestisland.com/, Deparment of Primary Industries and Regional Development (DPIRD), and Department of Biodiversity, Conservation and Attractions (DBCA) publications for the latest information.

CAUTION - Breaking Swells

Passages through the reefs are subject to breaking swells and are, in these conditions, dangerous for small craft to transit. This is particularly so during the winter months in the northern bays, and the summer months in the southern bays. Furthermore, uncharted submerged hazards may exist in the bays and anchorages. Mariners are cautioned accordingly.

CAUTION - Unexploded Ordnance

An area with radius 463m centred on: 31°58.25'S 115°32.10'E is safe for surface navigation only. It is not safe for anchoring, trawling or seabed activities.

CAUTION - 5 & 8 Knot Speed Restriction Area

Vessels exceeding 24m in length are restricted to 8 knots. All smaller vessels are restricted to 5 knots.

TIDAL INFORMATION AND SOUNDING DATUM

Place	Latitude °S	Longitude °E	Heights in metres above datum						
			HAT	MHHW	MLHW	MSL	MHLW	MLLW
Thomson Bay	32°00'	115°33'	1.42	1.03	0.93	0.68	0.43	0.33

RELIABILITY DIAGRAM

31° 56' 24" S
125 EOB
200 EZA
100 EZA
MZD
50 EZA
115° 26' 36" E
32° 03' 42" S

KEY TO SYMBOLS

400	Distance apart of main sounding lines in metres
L	Lead Line depths
E	Echo Sounder depths
M	Multibeam Sounder depths
O	Optical position fixing
Z	Electronic position fixing
S	Sonar swept
R	Reconnaissance or incomplete survey

Authorities

A	Department of Transport
B	Royal Australian Navy
C	AUSLIG
D	Other

Government of Western Australia
Department of Transport

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January 2011, Edition 6.

DEPTHS IN METRES

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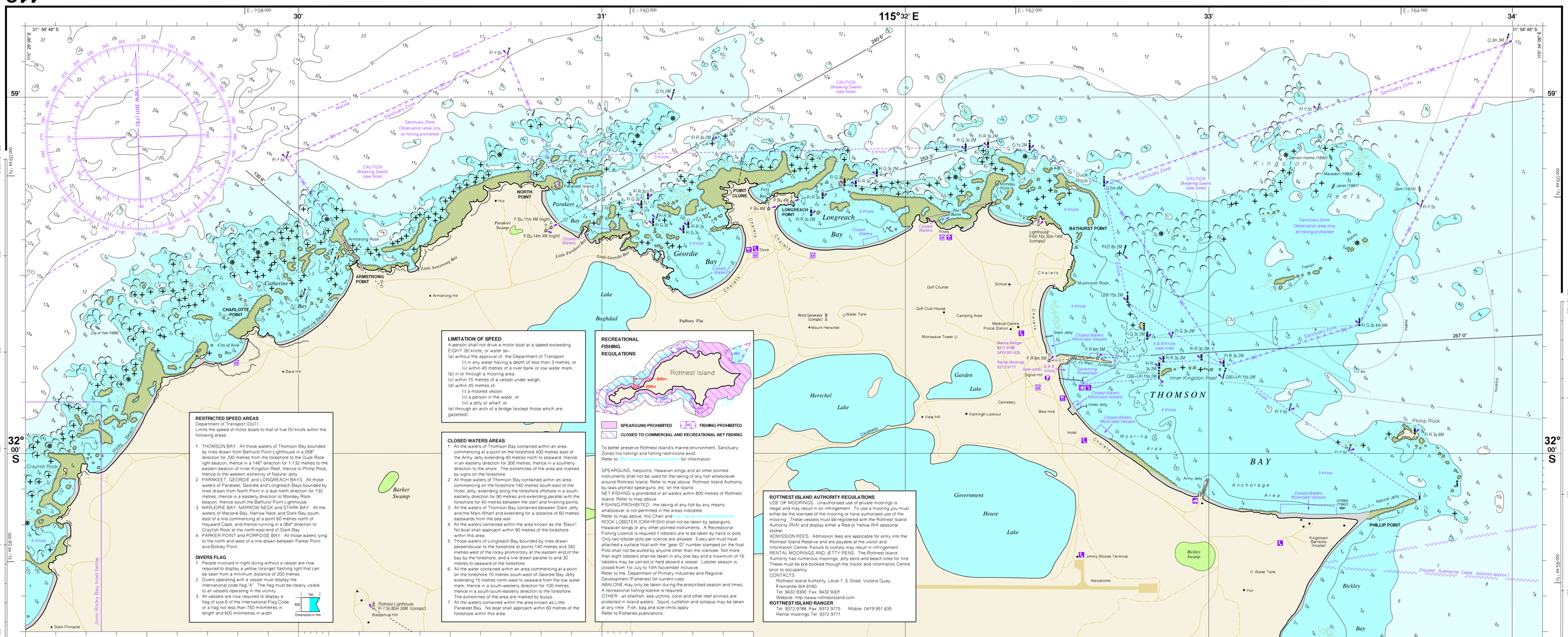

RESTRICTED SPEED AREAS

Department of Transport (DoT):
Limits the speed of motor boats to that of five (5) knots within the following areas:

1. THOMSON BAY. All those waters of Thomson Bay bounded by lines drawn from Bathurst Point Lighthouse in a 058° direction for 330 metres from the foreshore to the Duck Rock light beacon, thence in a 146° direction for 1,132 metres to the eastern beacon of Inner Kingston Reef, thence to Phillip Rock, thence to the western extremity of Natural Jetty.
2. PARAKEET, GEORDIE and LONGREACH BAYS. All those waters of Parakeet, Geordie and Longreach Bays bounded by lines drawn from North Point in a due north direction for 130 metres, thence in a easterly direction to Monday Rock beacon, thence south the Bathurst Point Lighthouse.
3. MARJORIE BAY, NARROW NECK and STARK BAY. All the waters of Marjorie Bay, Narrow Neck and Stark Bay south-east of a line commencing at a point 60 metres north of Hayward Cape, and thence running in a 064° direction to Crayfish Rock at the north-east end of Stark Bay.
4. PARKER POINT and PORPOISE BAY. All those waters lying to the north and west of a line drawn between Parker Point and Bickley Point.

DIVERS FLAG

1. People involved in night diving without a vessel are now required to display a yellow (orange) flashing light that can be seen from a minimum distance of 200 metres.
2. Divers operating with a vessel must display the international code flag "A". The flag must be clearly visible to all vessels operating in the vicinity.
3. All vessels are now required to display a flag of size 6 of the International Flag Code or a flag not less than 750 millimetres in length and 600 millimetres in width.

750 / 600 — Dimensions in mm

LIMITATION OF SPEED

A person shall not drive a motor boat at a speed exceeding EIGHT (8) knots, or water ski-
(a) without the approval of the Department of Transport
(i) in any water having a depth of less than 3 metres; or
(ii) within 45 metres of a river bank or low water mark;
(b) in or through a mooring area;
(c) within 15 metres of a vessel under weigh;
(d) within 45 metres of-
(i) a moored vessel;
(ii) a person in the water; or
(iii) a jetty or wharf; or
(e) through an arch of a bridge (except those which are gazetted)

CLOSED WATERS AREAS

1. All the waters of Thomson Bay contained within an area commencing at a point on the foreshore 400 metres east of the Army Jetty extending 40 metres north to seaward, thence in an easterly direction for 300 metres, thence in a southerly direction to the shore. The extremities of the area are marked by signs on the foreshore.
2. All those waters of Thomson Bay contained within an area commencing on the foreshore 140 metres south-east of the Hotel Jetty, extending along the foreshore offshore in a south-easterly direction for 90 metres and extending parallel with the foreshore for 40 metres between the start and finishing points.
3. All the waters of Thomson Bay contained between Stark Jetty and the Main Wharf and extending for a distance of 60 metres eastwards from the sea wall.
4. All the waters contained within the area known as the "Basin". No boat shall approach within 90 metres of the foreshore within this area.
5. Those waters of Longreach Bay bounded by lines drawn perpendicular to the foreshore at points 140 metres and 340 metres west of the rocky promontory at the eastern end of the bay by the foreshore, and a line drawn parallel to and 30 metres to seaward of the foreshore.
6. All the water contained within an area commencing at a point on the foreshore 70 metres south-west of Geordie Bay Jetty extending 15 metres north-west to seaward from the low water mark, thence in a south-westerly direction for 100 metres, thence in a south-south-easterly direction to the foreshore. The extremities of the area are marked by buoys.
7. All the waters contained within the area known as Little Parakeet Bay. No boat shall approach within 60 metres of the foreshore within this area.

RECREATIONAL FISHING REGULATIONS

SPEARGUNS PROHIBITED — FISHING PROHIBITED
CLOSED TO COMMERCIAL AND RECREATIONAL NET FISHING

To better preserve Rottnest Island's marine environment, Sanctuary Zones (no fishing) and fishing restrictions exist.
Refer to http://www.rottnestisland.com/ for information.

SPEARGUNS, harpoons, Hawaiian slings and all other pointed instruments shall not be used for the taking of any fish whatsoever around Rottnest Island. Refer to map above. Rottnest Island Authority by-laws prohibit spearguns, etc. on the Island.
NET FISHING is prohibited in all waters within 800 metres of Rottnest Island. Refer to map above.
FISHING PROHIBITED - the taking of any fish by any means whatsoever is not permitted in the areas indicated.
Refer to map above, this Chart and http://www.rottnestisland.com/.
ROCK LOBSTER (CRAYFISH) shall not be taken by spearguns, Hawaiian slings or any other pointed instruments. A Recreational Fishing Licence is required if lobsters are to be taken by hand or pots. Only two lobster per licence are allowed. Every pot must have attached a surface float with the "gear ID" number stamped on the float. Pots shall not be pulled by anyone other than the licence. Not more than eight lobsters shall be taken in any one day and a maximum of 16 lobsters may be carried or held aboard a vessel. Lobster season is closed from 1st July to 14th November inclusive.
Refer to the Department of Primary Industries and Regional Development (Fisheries) for current rules.
ABALONE may only be taken during the prescribed season and times. A recreational fishing licence is required.
OTHER - all shellfish, sea urchins, coral and other reef animals are protected in Island waters. Squid, cuttlefish and octopus may be taken at any time. Fish, bag and size limits apply.
Refer to Fisheries publications.

ROTTNEST ISLAND AUTHORITY REGULATIONS

USE OF MOORINGS: Unauthorised use of private moorings is illegal and may result in an infringement. To use a mooring you must either be the licensee of the mooring or have authorised use of the mooring. These vessels must be registered with the Rottnest Island Authority (RIA) and display either a Red or Yellow RIA seasonal sticker.
ADMISSION FEES: Admission fees are applicable for entry into the Rottnest Island Reserve and are payable at the visitor and Information Centre. Failure to comply may result in infringement.
RENTAL MOORINGS AND JETTY PENS: The Rottnest Island Authority has numerous moorings, jetty pens and beach sites for hire. These must be pre-booked through the Visitor and Information Centre prior to occupancy.
CONTACTS:
Rottnest Island Authority, Level 1, E Shed, Victoria Quay, Fremantle WA 6160.
Tel: 9432 9300 Fax: 9432 9301
Website: http://www.rottnestisland.com
ROTTNEST ISLAND RANGER
Tel: 9372 9188 Fax: 9372 9775 Mobile: 0419 951 635
Rental moorings Tel: 9372 9771

MARINE RADIO FREQUENCIES

VHF	Ch 16	Calling & Emergency
27MHz	27.86	Alternate Emergency
	27.88	Calling & Emergency
	27.90	Volunteer Sea Rescue Groups
	27.91	Other Clubs
	27.94	Club Events
	27.96	Boat to Boat

REMEMBER TO
LOG OFF!
WHEN YOU RETURN

Government of Western Australia
Department of Transport

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DEPTHS IN METRES