

AUSTRALIA - WEST COAST
WESTERN AUSTRALIA
BUNBURY TO PORT GEOGRAPHE
SCALE 1 : 50 000

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

PROJECTION
 Universal Transverse Mercator.

SOURCES
 From the latest information available to Department for Planning and Infrastructure (DPI), including Royal Australian Navy surveys of 1972 and 1975 and DPI surveys from 1977 to 2005.

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 DPI's chart sales offices, approved chart agents and at <http://www.dpi.wa.gov.au/coastaldata/nauticalcharts/index.html>.

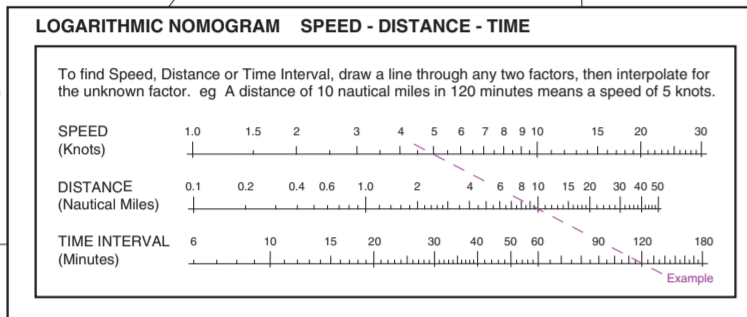
Navigable Waters Regulations
 Changes to Navigable Waters Regulations are published in the Western Australian Government Gazette. Regulations for Navigable Waters can also be found at <http://www.slp.wa.gov.au/gazette/gazette.html>.

Marine Protected Areas
 Refer to the Departments of Fisheries and Conservation and Land Management (CALM) publications for the latest information.

CAUTION
 Care required when navigating The Cut
 Bathymetry in The Cut may change significantly following storm events. Tide flow exiting the Lechenault Estuary combined with moderate to heavy swell from Koombana Bay can make navigating The Cut hazardous. Mariners are advised to proceed with caution.
 Commercial Shipping
 Mariners are advised that all recreational vessels should stay well clear of all commercial shipping vessels at all times.

TIDAL INFORMATION AND SOUNDING DATUM

Place	Lat	Long	Heights in metres above datum				Sounding and Tide Datum		
			MST	Mean Low Water	Mean High Water	LAT			
BUNBURY	33°19'	115°38'	1.29	0.80	0.68	0.58	0.43	0.06	3.951 below BM A103 (Bunbury)
BUSSELTON	33°39'	115°21'	1.50	1.14	0.94	0.80	0.68	0.29	3.828 below BM A803 (Busseton)



I N D I A N

O C E A N

Geographe Bay

NAVIGATION MARKS

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

CARDINAL MARKS

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

LIGHT CHARACTERISTICS

Colour of light is white unless otherwise stated

F = Fixed
 Fl = Flashing
 G = Green
 R = Red
 W = White
 RL = Group-flash
 Q = Quick-flash
 LF = Long-flash
 Oc = Occulting
 Iso = Isophase

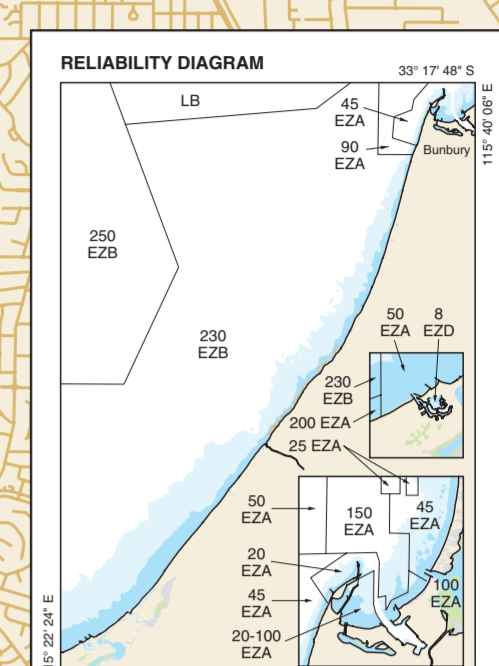
M = Luminous range in nautical miles

LEGEND

- Marsh and swampland
- Nature Reserve / National Park
- Railway, Clearance height, Bridge
- River
- Major road
- Minor road
- Track
- Medical facility, Building
- Mean high water
- Mean low water
- Datum mark
- Cut
- Rock shoreline
- Sand drift, Anchoring prohibited
- Helipad, Groyne
- Car parking, Over-beach launching
- Boat ramp
- Mangroves, Marine farm
- Water, Fuel, Jetty, Sale anchorage
- Telephone, Public toilet
- Exposed wreck, Submerged wreck
- Hazardous submerged reef
- Reef which covers and uncovers
- Coral reef / outcrop, Breakers
- Water skiing boundary
- Danger line
- Submarine cable
- 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
- Marine Protected Area

RADIO COMMUNICATION
 ACRN (Australian Citizen Radio Monitors) - VHF FKC. These bases are available for those boating around Geographe Bay and Cape Naturaliste. Vessels can log on and off when going to sea.
 Manned channels are as follows:
 VHF channel 88 (EMERGENCY AND CALLING)
 VHF channel 16 (marina)
 UHF CB channel 6 (repeater).
 A 24 hour watch is maintained, with normal operation between 0600 and 2200 hours, and EMERGENCIES ONLY outside of these hours.
 FOR SEA RESCUE EMERGENCIES, RING 000.
 27MHz radios for emergency use only.
 Call sign: BUNBURY SEA RESCUE - VMR 634
 Call sign: NATURALISTE SEA RESCUE - VMR 631
 Call sign: BUSSELTON VOLUNTEER MARINE RESCUE GROUP - VMR 640

CAUTION
 Overhead powerlines exist at various locations over waterways on this chart.



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, pellets, removal of rocks, soil and timber, driving of 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 Conservation and Land Management publications for further information on parks and reserves.

LEEUEWIN CURRENT
 The Leeuwin Current is most predominant during May to August with a surface current generally less than 1.0kn. 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 V.

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

FISHING
 Fishing regulations apply throughout Western Australia. Refer to Department of Fisheries 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 willful 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.

