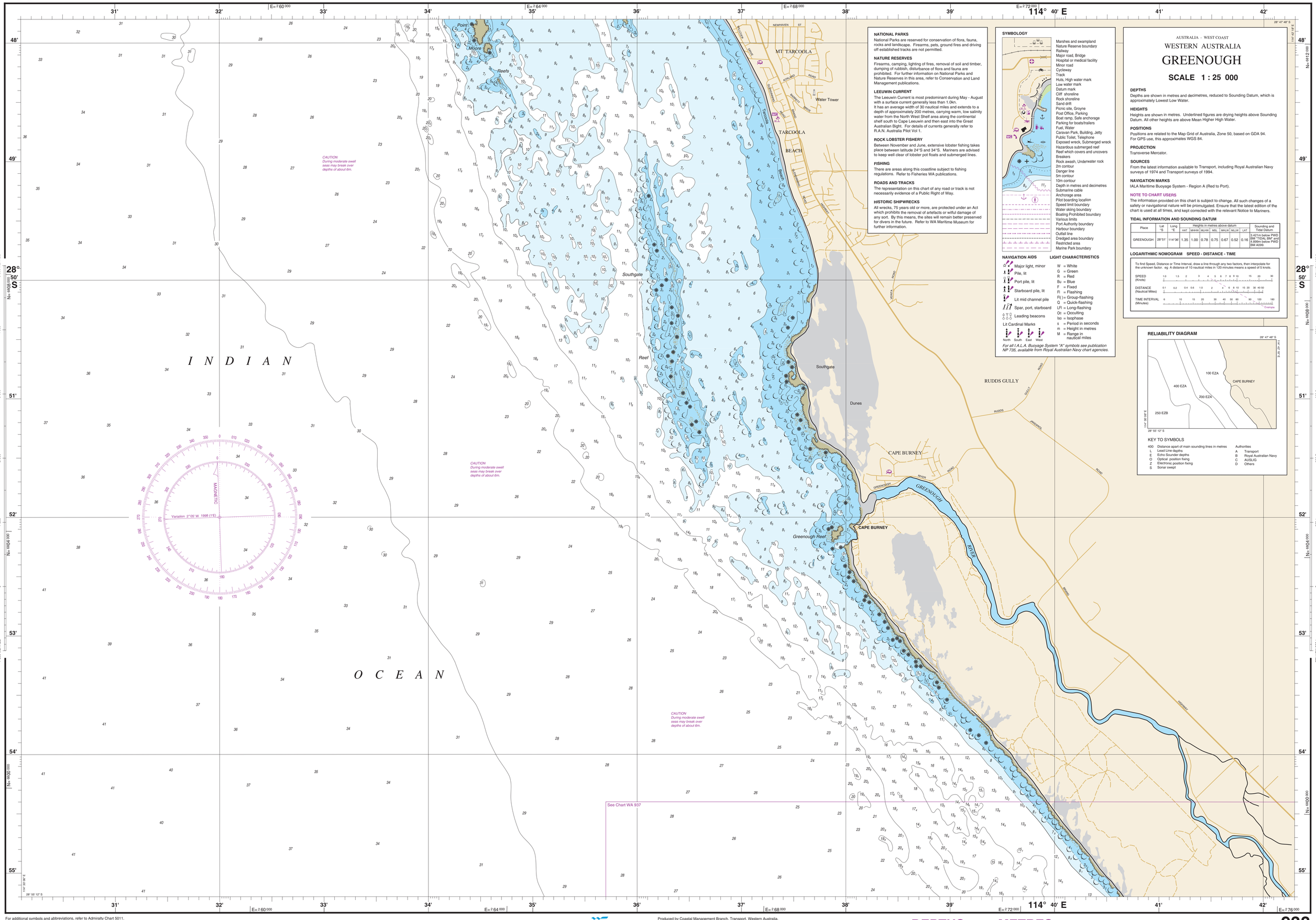
DEPTHS IN METRES



NATIONAL PARKS
National Parks are reserved for conservation of flora, fauna, rocks and landscape. Firearms, pets, ground fires and driving off established tracks are not permitted.

NATURE RESERVES
Firearms, camping, lighting of fires, removal of soil and timber, dumping of rubbish, disturbance of flora and fauna are prohibited. For further information on National Parks and Nature Reserves in this area, refer to Conservation and Land Management publications.

LEEUWIN CURRENT
The Leeuwin Current is most predominant during May - 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 1.

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
There are areas along this coastline subject to fishing regulations. Refer to Fisheries WA publications.

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.

SYMBOLOGY

- Marshes and swampland
- Nature Reserve boundary
- Railway
- Major road, Bridge
- Hospital or medical facility
- Minor road
- Cycleway
- Track
- Huts, High water mark
- Low water mark
- Datum mark
- Cliff shoreline
- Rock shoreline
- Sand drift
- Picnic site, Groyne
- Post Office, Parking
- Boat ramp, Safe anchorage
- Parking for boats/trailers
- Fuel, Water
- Caravan Park, Building, Jetty
- Public Toilet, Telephone
- Exposed wreck, Submerged wreck
- Hazardous submerged reef
- Reef which covers and uncovers
- Breakers
- Rock awash, Underwater rock
- 2m contour
- 5m contour
- 10m contour
- Depth in metres and decimetres
- Submarine cable
- Anchorage area
- Pilot boarding location
- Speed limit boundary
- Water skiing boundary
- Boating Prohibited boundary
- Various limits
- Port Authority boundary
- Harbour boundary
- Outfall line
- Dredged area boundary
- Restricted area
- Marine Park boundary

NAVIGATION AIDS

- Major light, minor
- Pile, lit
- Port pile, lit
- Starboard pile, lit
- Lit mid channel pile
- Spar, port, starboard
- Leading beacons
- Lit Cardinal Marks: North, South, East, West

LIGHT CHARACTERISTICS

W = White
G = Green
R = Red
Bu = Blue
F = Fixed
Fl = Flashing
Fl( ) = Group-flashing
Q = Quick-flashing
LFl = Long-flashing
Oc = Occulting
Iso = Isophase
s = Period in seconds
m = Height in metres
M = Range in nautical miles

For all I.A.L.A. Buoyage System "A" symbols see publication NP 735, available from Royal Australian Navy chart agencies.

AUSTRALIA - WEST COAST

WESTERN AUSTRALIA

GREENOUGH

SCALE 1 : 25 000

DEPTHS
Depths are shown in metres and decimetres, reduced to Sounding Datum, which is approximately Lowest Low Water.

HEIGHTS
Heights are shown in metres. Underlined figures are drying heights above Sounding Datum. All other heights are above Mean Higher High Water.

POSITIONS
Positions are related to the Map Grid of Australia, Zone 50, based on GDA 94.
For GPS use, this approximates WGS 84.

PROJECTION
Transverse Mercator.

SOURCES
From the latest information available to Transport, including Royal Australian Navy surveys of 1974 and Transport surveys of 1994.

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

NOTE TO CHART USERS
The information provided on this chart is subject to change. All such changes of a safety or navigational nature will be promulgated. Ensure that the latest edition of the chart is used at all times, and kept corrected with the relevant Notice to Mariners.

TIDAL INFORMATION AND SOUNDING DATUM

Place	Lat. °S	Long °E	Heights in metres above datum						Sounding and Tidal Datum
			HAT	MHWS	MLHW	MSL	MHLW	MLLW	LAT	
GREENOUGH	28°51'	114°36'	1.35	1.00	0.78	0.75	0.67	0.52	0.16	3.421m below PWD SM "TIDAL BM" and 6.899m below PWD SM A099.

LOGARITHMIC NOMOGRAM SPEED - DISTANCE - TIME

To find Speed, Distance or Time Interval, draw a line through any two factors, then interpolate for the unknown factor. eg A distance of 10 nautical miles in 120 minutes means a speed of 5 knots.

RELIABILITY DIAGRAM

KEY TO SYMBOLS

400 Distance apart of main sounding lines in metres
L Lead Line depths
E Echo Sounder depths
O Optical position fixing
Z Electronic position fixing
S Sonar swept

Authorities
A Transport
B Royal Australian Navy
C AUSLIG
D Others

For additional symbols and abbreviations, refer to Admiralty Chart 5011.
For surveys beyond this Chart, see R.A.N. Chart AUS 332 and 751.
Notices to Mariners.

TRANSPORT

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DEPTHS IN METRES