SEE RELATED PUBLICATIONS: Notice to Mariners (https://www.transport.wa.gov.au/imarine/nautical-charts.asp), Symbols, Abbreviations and Terms (INT 1), Tide Tables, Sailing Directions. For surveys beyond this chart refer to RAN Charts AUS 334 and AUS 754

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 Conservation and Land Management 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 1.0knot. 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 34S. 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 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 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.

AUSTRALIA - WEST COAST

WESTERN AUSTRALIA

QUINNS ROCKS

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
GDA 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.

PROJECTION
Universal Transverse Mercator.

SOURCES
From the latest information available to Department of Transport (DoT), June 2011 including DoT Surveys of 1978, 1980, 2005, 2008 and 2010.

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 DoT chart sales offices, approved chart agents and at https://www.transport.wa.gov.au/imarine/nautical-charts.asp.

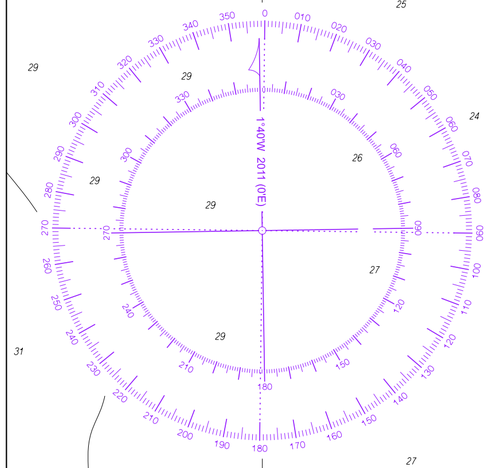
Navigable Waters Regulations
Changes to Navigable Waters Regulations are published in the Western Australian Government Gazette. Regulations for Navigable Waters can also be found at https://www.legislation.wa.gov.au.

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

CAUTION NOTE
Heavy Swell
During heavy swell, seas may break on all leading lines.

TIDAL INFORMATION AND SOUNDING DATUM

Place	Latitude °S	Longitude °E	Heights in metres above datum					
			HAT	MHHW	MLHW	MSL	MHLW	MLLW
TWO ROCKS	31°30'	115°35'	1.33	0.94	0.75	0.72	0.63	0.48



ZOC CATEGORIES
(For details see Australian Seafarers Handbook AHP 20)

ZOC	Position Accuracy	Depth (d) Accuracy	Seafloor Coverage
A1	±5m	± 0·50m + 1%d	All significant seafloor features detected.
A2	±20m	± 1·00m + 2%d	All significant seafloor features detected.
B	±50m	± 1·00m + 2%d	Uncharted features hazardous to surface navigation are not expected but may exist.
C	±500m	± 2·00m + 5%d	Depth anomalies may be expected.
D	Worse than ZOC C		Large depth anomalies may be expected.
U	Unassessed - The quality of the bathymetric data has yet to be assessed.		

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

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( ) : 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

Government of Western Australia
Department of Transport

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