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

AUSTRALIA - WEST COAST

WESTERN AUSTRALIA

SEABIRD

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
Transverse Mercator.

SOURCES
From the latest information available to Department for Planning and Infrastructure (DPI), 2004.

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

NOTICES TO MARINERS
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.
Current Notices to Mariners are available from DPI Chart Sales Offices and on the Internet at http://www.coastaldata.transport.wa.gov.au/.

CAUTION NOTES
Heavy Swell
During heavy swell, seas may break on the leading line.

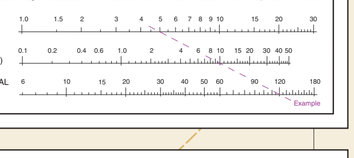
Numerous Lumps
Numerous lumps and pinnacles occur within this area, and lesser depths may exist.

TIDAL INFORMATION AND SOUNDING DATUM

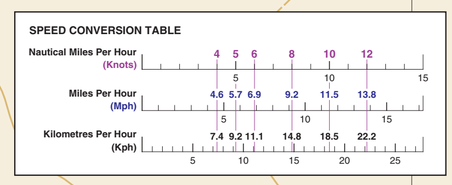
Place	Lat °S	Long °E	Heights in metres above datum							Sounding and Tidal Datum
			HAT	MHHW	MLHW	MSL	MHLW	MLLW	LAT	
Seabird	31°16'	115°26'	1.34	0.96	0.78	0.75	0.67	0.53	0.14	20.831m below PWD BM A727

LOGARITHMIC NOMOGRAM SPEED - DISTANCE - TIME

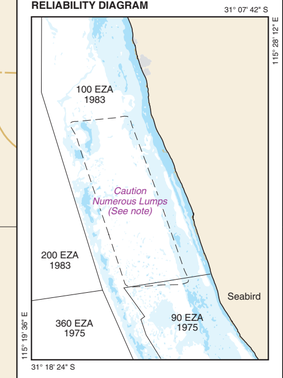
To find Speed, Distance or Time Interval, draw a line through any two factors, then interpolate for the unknown factor. eg A distance of 10 nautical miles in 120 minutes means a speed of 5 knots.



SPEED CONVERSION TABLE



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
R Reconnaissance or incomplete survey

Authorities
A Department for Planning and Infrastructure
B Royal Australian Navy
C AUSLIG
D Other

LEGEND

Marshes and swampland
Nature Reserve / National Park
Railway, Clearance height, Bridge
Overhead power line
River
Bicycle path, Major road
Building, Minor road
Post Office, Caravan Park
Medical facility, Track
Mean high water
Mean low water
Datum mark
Cliff
Rock shoreline
Sand drift, Anchoring prohibited
Picnic site, Groyne
Heliport, Car parking
Boat ramp
Parking for boats / trailers
Mangroves, 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
Danger line
2m contour
5m contour
10m contour
Depth in metres and decimetres
Approximate contour
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 line
Dredged area boundary
Restricted area
Marine Park boundary

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

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
Fl( ) = Group-flash
Q = Quick-flash
LFl = Long-flash
Oc = Occulting
Iso = Isophase

indicates lit navigation mark
G = Green R = Red
Y = Yellow Bu = Blue
s = Period in seconds
m = Focal plane height above MHHW
M = Luminous range in nautical miles

NATIONAL PARKS AND NATURE RESERVES
National Parks are reserved for conservation of flora, fauna, rocks and landscape. Firearms, pets, ground fires and driving off established tracks are not permitted.
Within Nature Reserves, firearms, camping, lighting of fires, removal of soil and timber, dumping of rubbish, disturbance of flora and fauna are prohibited. Refer to Conservation and Land Management publications for further information on National Parks and Nature Reserves.

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.

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 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.

Home Reef
Green Reef
059° 30 Caution - Heavy Swell (see note)
See DPI Chart Lancelin WA 1276
Manakoora
Manakoora Sand Patch
Manakoora Reef
FIRST BLUFF
Scrub
Venus (1923)
Big Horseshoe Reef
Platform Reef
WARNING During moderate swell seas may break over depths of about 6m.
INDIAN OCEAN
Windmill Passage
Gilt Dragon Reef
Vergulde Draeck (Gilt Dragon) 1656
THE LUMPS
Caution Numerous Lumps (see note)
Breton Reef
LESCHENAULT REEFS
Peak Hill Passage
Tanais Reef
Sand
Dunes
Covered
Huts
WANERIE
SECOND BLUFF
Hut
EAGLES NEST BLUFF
Peak Hill
SEABIRD
McCRIMMON
HUDSON STREET
Water Tower (conspic) (31m)
Fuelling Dolphin
North Dummy Break
North Break
ONE MILE REEFS
South Break
South Dummy Break
Iso 8s 54m 7M
Iso 2s 37m 7M
CAPE LESCHENAULT
Villalta (1897)
034° 54' Caution - Heavy Swell (see note)
LANCELIN ROAD
COAST ROAD
GREENWOOD ROAD
SEABIRD ROAD
See DPI Chart Guilderton WA 1110
1125°W 2004 (61E)
31° 07' 42" S
115° 28' 12" E
115° 19' 36" E
31° 18' 24" S
115° 24' E
E=344 000
E=348 000
E=352 000
N=6552 000
N=6548 000
N=6544 000
N=6540 000
N=6536 000
5 000 METRES
4 000
3 000
2 000
1 000
0
1 000 METRES

Department for Planning and Infrastructure
Government of Western Australia

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