



SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain corrective information affecting charts published by the Hydrographic Department, Maritime and Port Authority of Singapore. The information contained in these Notices should be updated on the charts affected. Notices under Section II apply only to the particular Singaporean Chart(s) indicated.

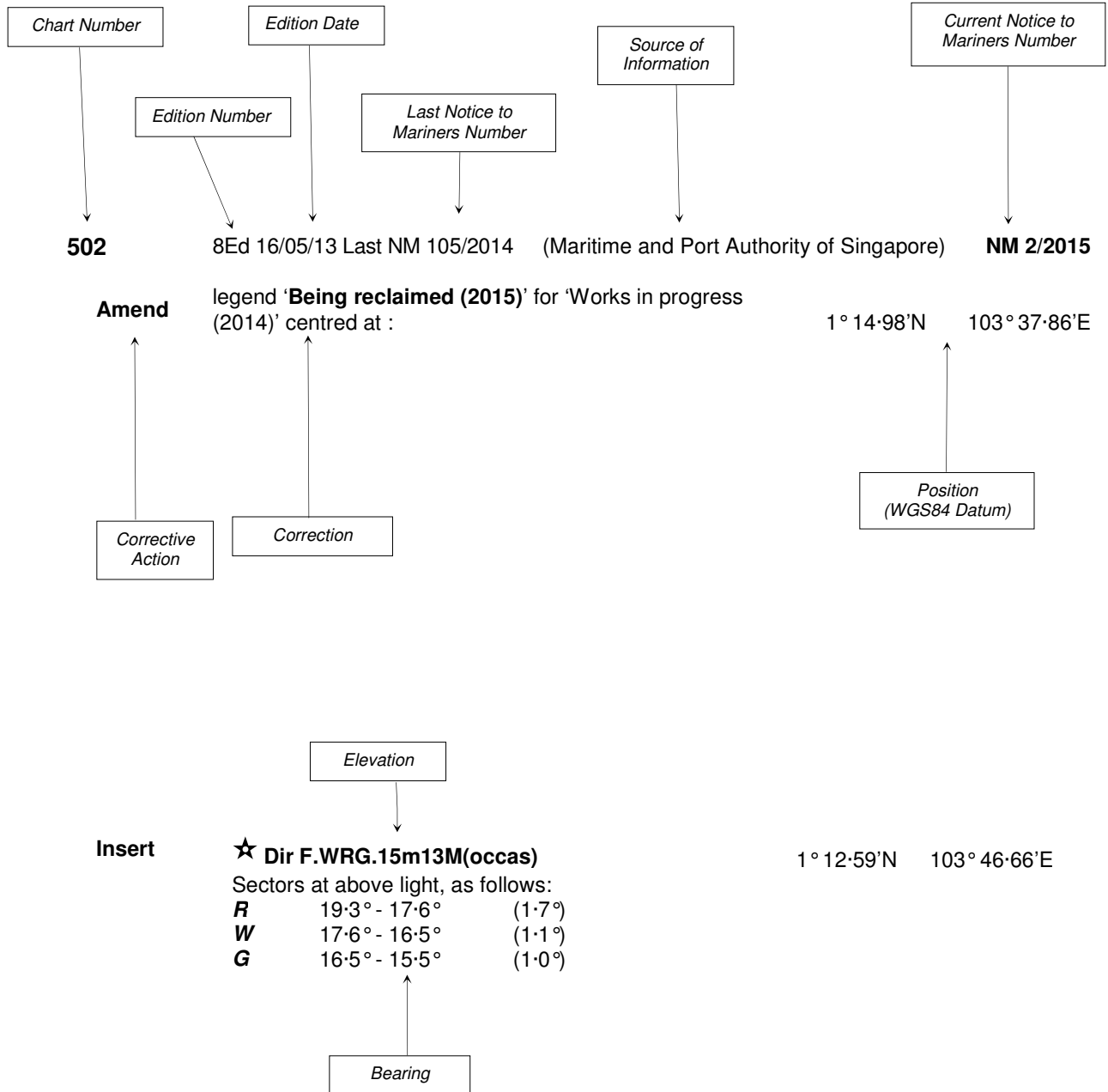
Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately on the discovery of new dangers or suspected dangers to navigation and of changes or defects in aids to navigation. See Hydrographic Note on back page.

The monthly Singaporean Notices to Mariners can be accessed directly from the MPA website:
[http://www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/singapore_notices_to_mariners\(ntm\).page](http://www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/singapore_notices_to_mariners(ntm).page)

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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

- Notice to Mariners number followed by:
T indicates a Temporary Notice (eg. **NM 3T/2015**).
P indicates a Preliminary Notice (eg. **NM 4P/2015**).
- Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- Heights and elevations are above Mean High Water Springs.

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INDEX OF CHARTS AND PUBLICATIONS

INDEX OF AFFECTED CHARTS

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Index of Singaporean Charts	-	3, 4
Index of Dual-Badged Charts	-	5 to 7
Index of Singapore Electronic Navigational Chart (ENC)	-	8
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Singapore Tide Tables Year 2016	-	10 to 12
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Singapore Electronic Navigational Chart (ENC) Distributors	-	21
Chart Distributors for the Maritime and Port Authority of Singapore Nautical Charts and Publications	-	22

*Source: Maritime and Port Authority of Singapore

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INDEX OF NOTICES

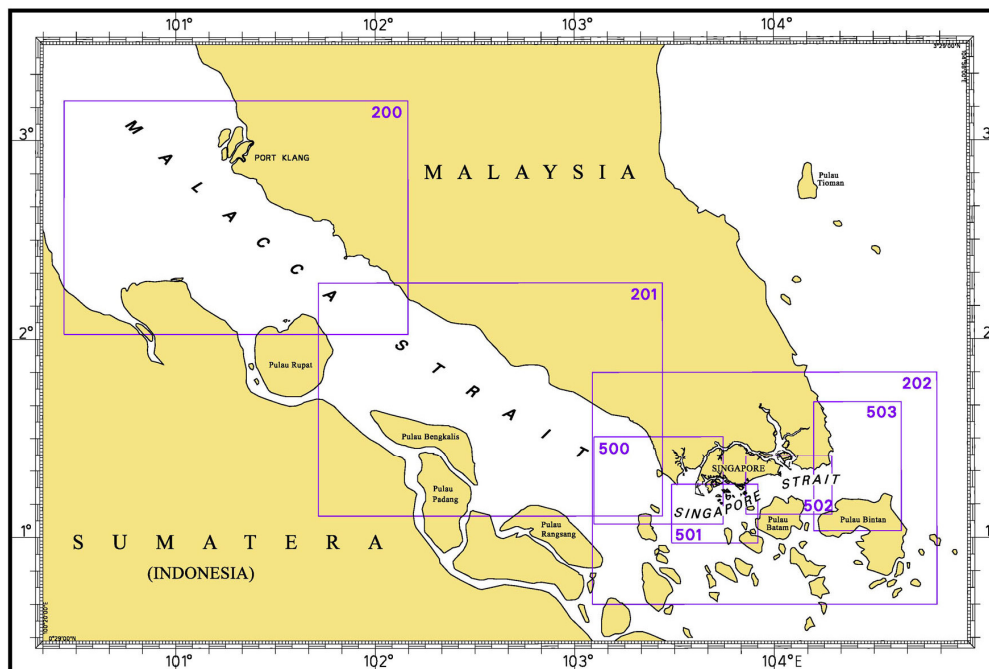
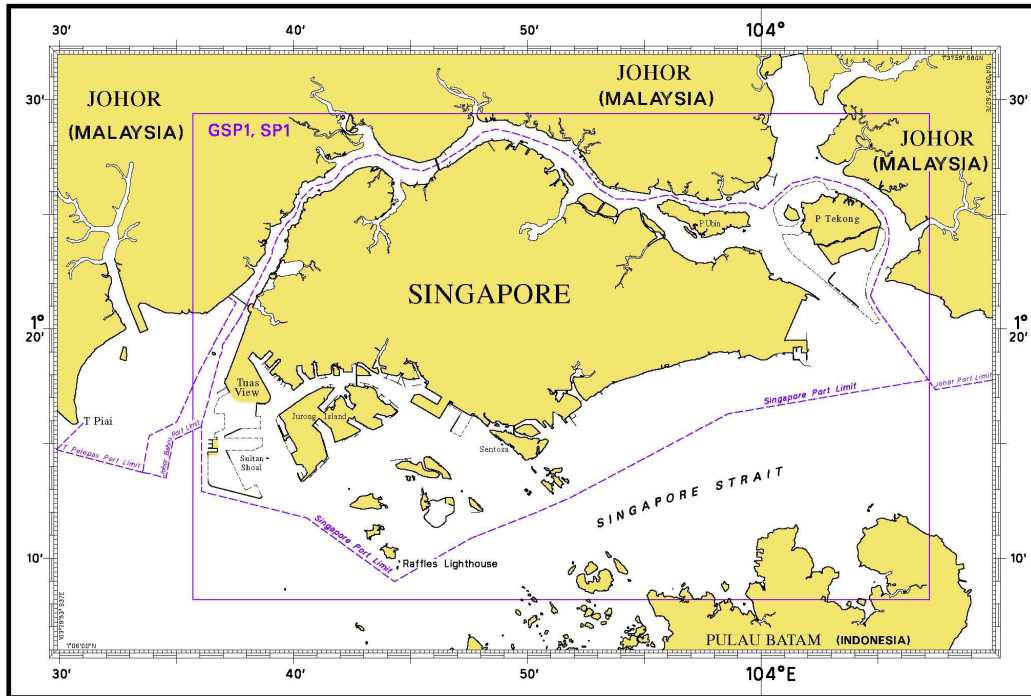
NOTICE NO.	DESCRIPTION	PAGE NO.
-	Index of Singaporean Charts	3, 4
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* Source: Maritime and Port Authority of Singapore

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INDEX OF SINGAPOREAN CHARTS



Notes:

Updated Singaporean Charts are available through our Print-On-Demand (POD) Chart Service. For more information, refer to Section III – Navigational Information. These charts can be purchased from our Chart Distributors.

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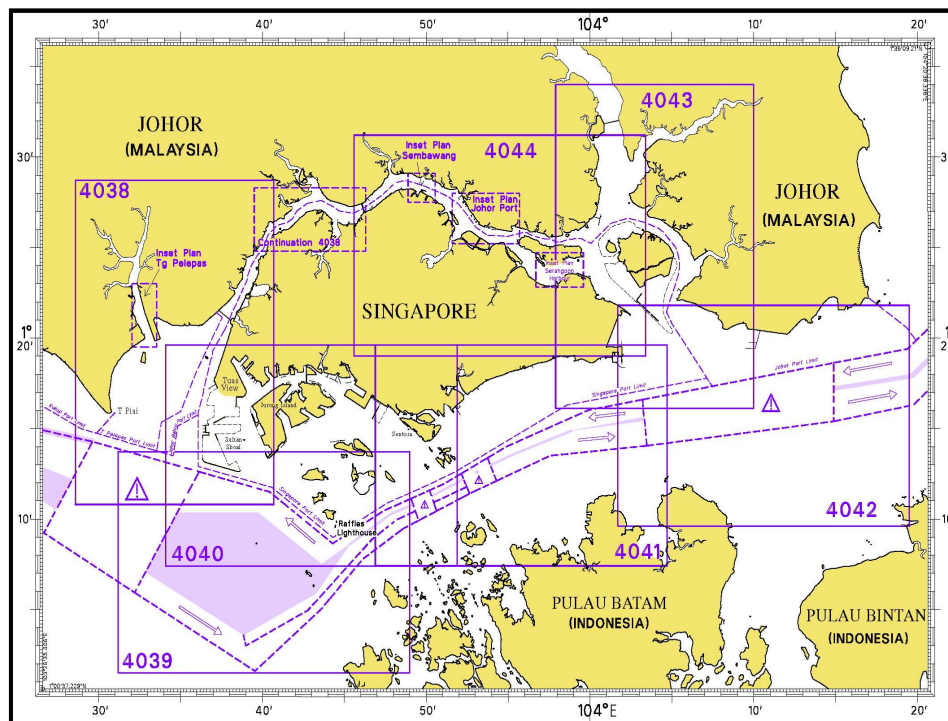
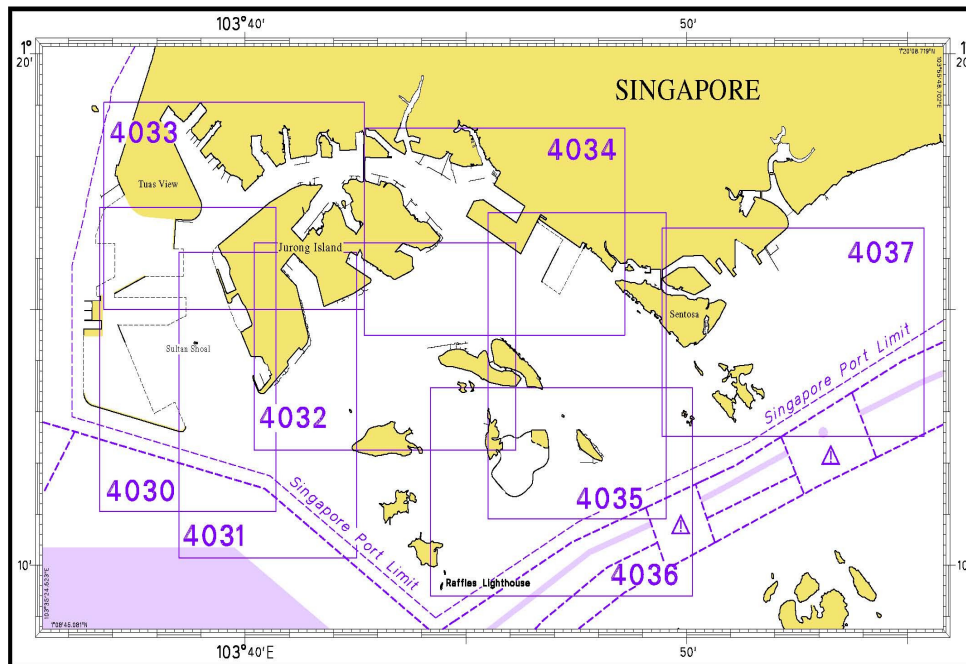
SINGAPOREAN CHARTS

Chart No.	Chart Title	Scale 1:	Date Published of Latest Edition
GSP1	Anchorage and Aids to Navigation (with Area Reference)	60 000	02/03/2015
SP1	Anchorage and Aids to Navigation	60 000	02/03/2015
200	Malacca Strait - Port Klang to Tanjung Keling	200 000	01/09/2015
201	Malacca Strait - Tanjung Keling to Western Entrance of Singapore Strait	200 000	15/08/2014
202	Singapore Strait	200 000	26/09/2013
500	Malacca and Singapore Straits – Pulau Pisang to Raffles Lighthouse	75 000	26/09/2013
501	Singapore Strait – Western Part	50 000	01/09/2015
502	Singapore Strait - Eastern Part	50 000	01/09/2015
503	South China Sea - Eastern Approaches and Entrance to Singapore Strait	75 000	15/08/2014
-	Charts for Small Craft – Singapore Strait & Adjacent Waterways	10 000 to 200 000	02/01/2015
1	<p>Symbols Abbreviations Terms and S-57 Objects used on Singapore Nautical and Electronic Navigational Charts.</p> <p>Available at MPA website http://www.mpa.gov.sg/sites/global_navigation/publications/chart1.page</p>	-	28/07/2011

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INDEX OF DUAL-BADGED CHARTS



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DUAL- BADGED CHARTS

Chart No.	Chart Title	Scale 1:	Date Published of Latest Edition
4030	Port of Singapore West Jurong Anchorages and Temasek Fairway	10 000	07/05/2015
4031	Port of Singapore Western Approaches to Jurong Island	10 000	07/05/2015
4032	Port of Singapore Sinki Fairway	10 000	15/05/2014
4033	Port of Singapore Tuas Bay, West Jurong Channel and Pesek Basin	10 000	07/05/2015
4034	Port of Singapore East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway	10 000	28/05/2015
4035	Port of Singapore Western Anchorages, Jong Fairway and Cruise Bay	10 000	28/05/2015
4036	Port of Singapore Raffles Lighthouse to The Sisters	10 000	28/05/2015
4037	Port of Singapore Keppel Harbour, Tanjong Pagar Terminal and Approaches	10 000	28/05/2015
4038	Malaysia and Singapore Johor Strait – Western Part	30 000	26/09/2013
4039	Indonesia, Singapore and Malaysia Western Approaches to Main Strait	30 000	24/04/2014
4040	Singapore, Indonesia and Malaysia Tuas View to Pulau Sakijang Bendera (S. John's Island)	30 000	27/08/2015
4041	Singapore and Indonesia Pulau Sebarok to Changi	30 000	27/08/2015

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DUAL- BADGED CHARTS

Chart No.	Chart Title	Scale 1:	Date Published of Latest Edition
4042	Indonesia, Malaysia and Singapore Changi to Pulau Mungging and Tanjung Buntan to Tanjung Tondang	30 000	24/04/2014
4043	Malaysia and Singapore Kuala Johor and Sungai Johor	30 000	09/04/2015
4044	Singapore and Malaysia Johor Strait - Eastern Part	30 000	09/04/2015

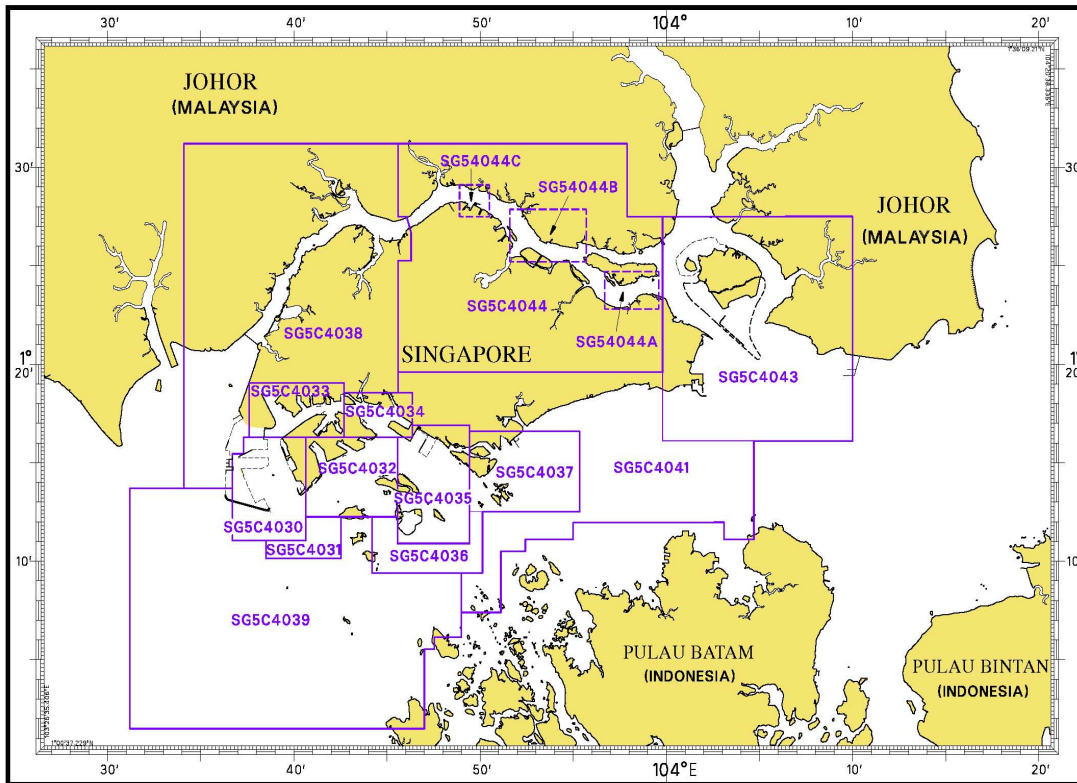
SINGAPOREAN PUBLICATIONS

Item	Title
1	Singapore Tide Tables Year 2015
2	Singapore Port Information 2014/2015
3	Singapore Tide Tables Year 2016

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INDEX OF CHARTS AND PUBLICATIONS

INDEX OF SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)



SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)

ENC Name	ENC Coverage	ENC Edition
SG5C4030	West Jurong Anchorages and Temasek Fairway	8 th Edition (7/05/2015)
SG5C4031	Western Approaches to Jurong Island	7 th Edition (1/09/2014)
SG5C4032	Sinki Fairway	10 th Edition (7/05/2015)
SG5C4033	Tuas Bay, West Jurong Channel and Pesek Basin	8 th Edition (7/05/2015)
SG5C4034	East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway	13 th Edition (28/05/2015)
SG5C4035	Western Anchorages, Jong Fairway and Cruise Bay	16 th Edition (28/05/2015)
SG5C4036	Raffles Lighthouse to The Sisters	9 th Edition (28/05/2015)
SG5C4037	Keppel Harbour, Tanjong Pagar Terminal and Approaches	9 th Edition (28/05/2015)
SG5C4038	Johor Strait – Western Part	8 th Edition (27/08/2015)
SG5C4039	Western Approaches to Main Strait	8 th Edition (27/08/2015)
SG5C4041	Pulau Sebarok to Changi	9 th Edition (27/08/2015)
SG5C4043	Kuala Johor	11 th Edition (9/04/2015)
SG5C4044	Johor Strait – Eastern Part	11 th Edition (9/04/2015)
SG54044A	Serangoon Harbour	2 nd Edition (9/04/2015)
SG54044B	Pelabuhan Johor (Johor Port)	2 nd Edition (9/04/2015)
SG54044C	Sembawang	2 nd Edition (9/04/2015)

The latest edition of the Singapore ENC covering Singapore Waters and their approaches can be found in our monthly Singaporean Notices to Mariners at MPA website: [http://www.mpa.gov.sg/sites/port_and_shipping/port/charts_tidal_information_and_hydrography/charts/singapore_electronic_navigational_chart\(enc\).page](http://www.mpa.gov.sg/sites/port_and_shipping/port/charts_tidal_information_and_hydrography/charts/singapore_electronic_navigational_chart(enc).page)

II NEW PUBLICATIONS

NEW EDITION SINGAPOREAN CHARTS PUBLISHED ON 1st SEPTEMBER 2015

Chart No. : 200
Title : Malacca Strait - Port Klang To Tanjung Keling
Coverage : Lat 2° 01' 48" N 3° 11' 99" N
 Long 100° 26' 36" E 102° 09' 91" E
Scale : 1:200 000
Date Published : 1st September 2015
Size of chart : 960.0 x 650.0mm
Remarks : This new edition includes updated submarine cables, contours, depths from BA Chart 3946 and other charted details.

The existing chart of the same number published on 22nd September 2011 is superseded.

Chart No. : 501
Title : Singapore Strait – Western Part
Coverage : Lat 0° 58' 36" N 1° 16' 00" N
 Long 103° 29' 17" E 103° 55' 05" E
Scale : 1:50 000
Date Published : 1st September 2015
Size of chart : 960.0 x 649.9mm
Remarks : This new edition includes updated submarine cables, bathymetry and topography details covering Dual Badged Charts 4040 and 4041 which was published on 27th August 2015.

The existing chart of the same number published on 3rd May 2012 is superseded.

Chart No. : 502
Title : Singapore Strait – Eastern Part
Coverage : Lat 1° 07' 00" N 1° 24' 61" N
 Long 103° 51' 43" E 104° 17' 31" E
Scale : 1:50 000
Date Published : 1st September 2015
Size of chart : 960.0 x 649.2mm
Remarks : This new edition includes updated submarine cables, bathymetry and topography details covering Dual Badged Chart 4041 which was published on 27th August 2015.

The existing chart of the same number published on 3rd May 2012 is superseded.

II NEW PUBLICATION

SINGAPORE TIDE TABLES YEAR 2016 PUBLISHED ON 9TH SEPTEMBER 2015

Summary of Publication

This publication contains Tidal Height and Tidal Stream Predictions covering stations in Singapore Port Waters and along the Straits of Malacca and Singapore.

This publication consists of 5 segments.

1. **High and Low Water Predictions** at the following stations:
 - a) Tanjong Pagar
 - b) Sembawang

2. **Hourly Tidal Height Predictions** at the following stations:
 - a) West Tuas
 - b) Sultan Shoal Lighthouse
 - c) Raffles Lighthouse
 - d) West Coast
 - e) Bukom
 - f) Tanjong Pagar
 - g) Tanah Merah
 - h) Tanjong Changi
 - i) Sembawang
 - j) Singapore Strait – Horsburgh Lighthouse

3. **Hourly Tidal Stream Predictions** at the following stations:
 - a) Main Strait – off Tuas View
 - b) Sinki Fairway – Banyan
 - c) Jong Fairway – off Sisters Buoy
 - d) Main Strait – off Shell SBM Buoy
 - e) Sentosa – off Cruise Bay
 - f) East Buran
 - g) Main Strait – Eastern Petroleum A
 - h) Kuala Johor – off Malang Tiga

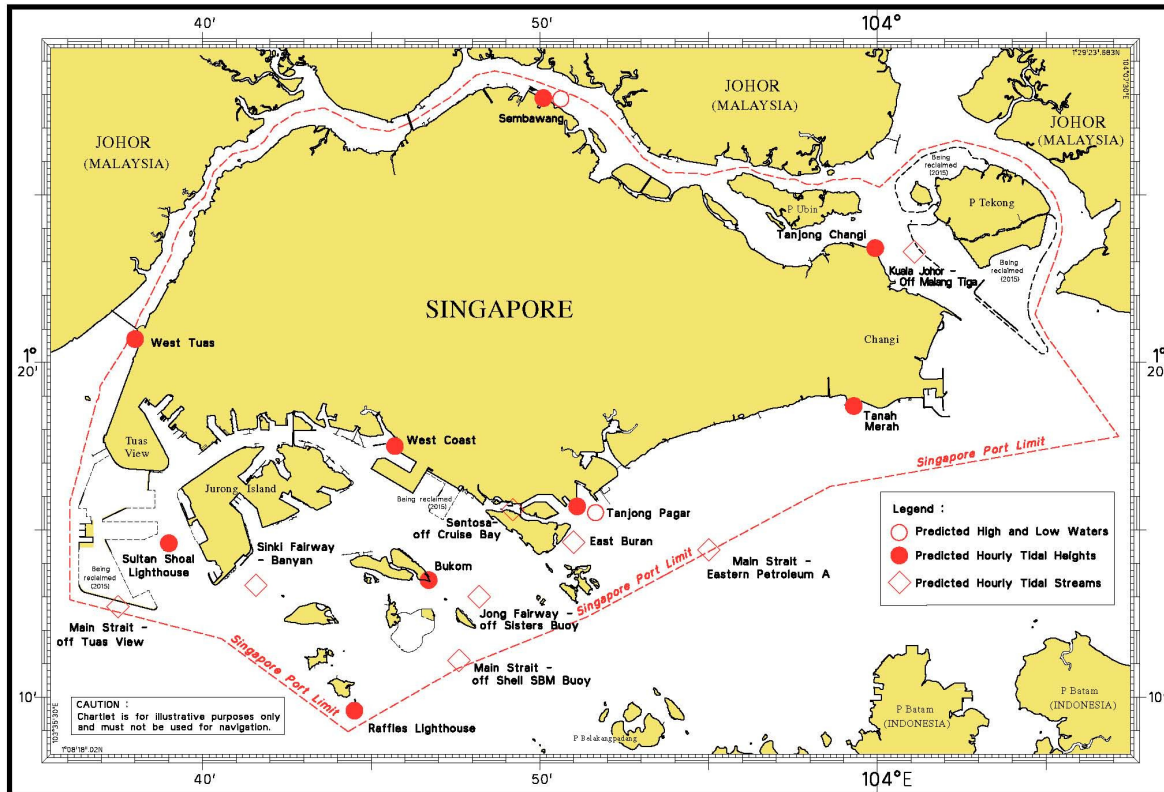
4. **Maximum and Slack Tidal Stream Predictions** at the following stations:
 - a) Malacca Strait – off Pulau Iyu Kecil Light
 - b) Singapore Strait – Selat Phillip
 - c) Singapore Strait – Karang Banteng (Buffalo Rock)
 - d) Singapore Strait – Horsburgh Lighthouse

5. **Malacca Strait – High and Low Water Predictions** at the following stations:
 - a) Kedah Pier, Pulau Pinang
 - b) Port Dickson
 - c) Kuala Batu Pahat

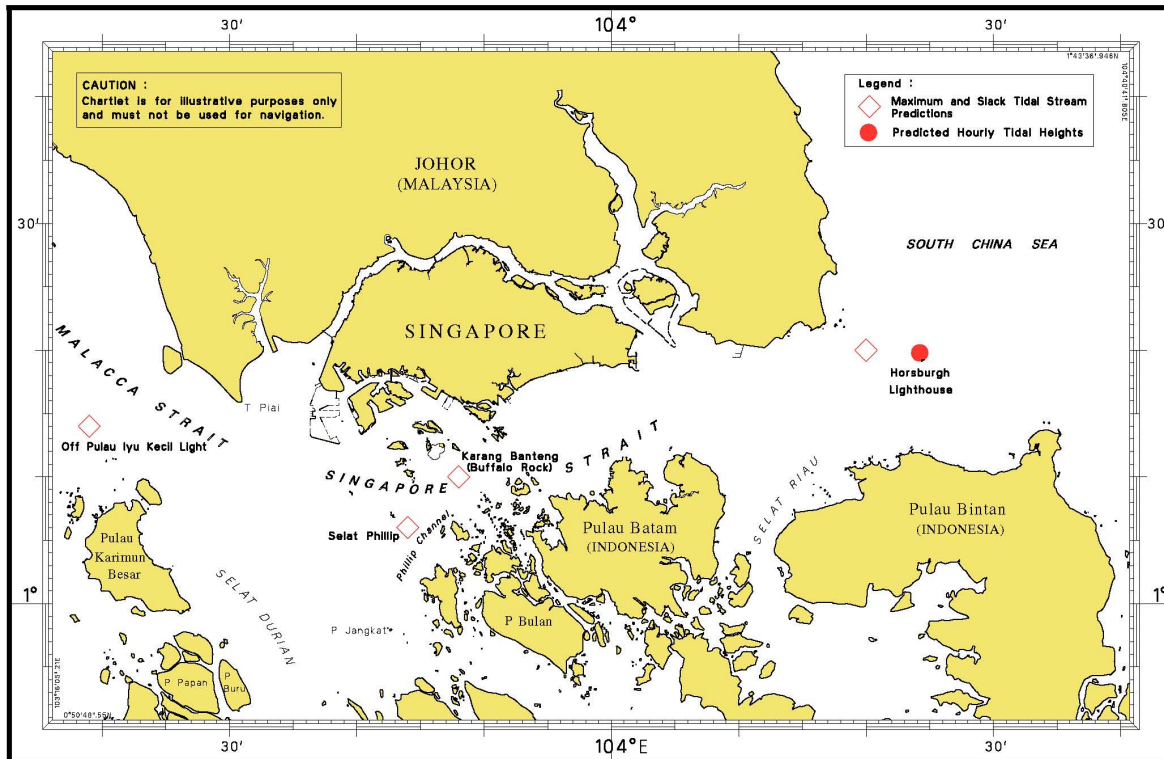
The locations of the above stations are shown in the chartlets below:

II NEW PUBLICATION

Tidal Prediction Stations within Singapore Port Waters

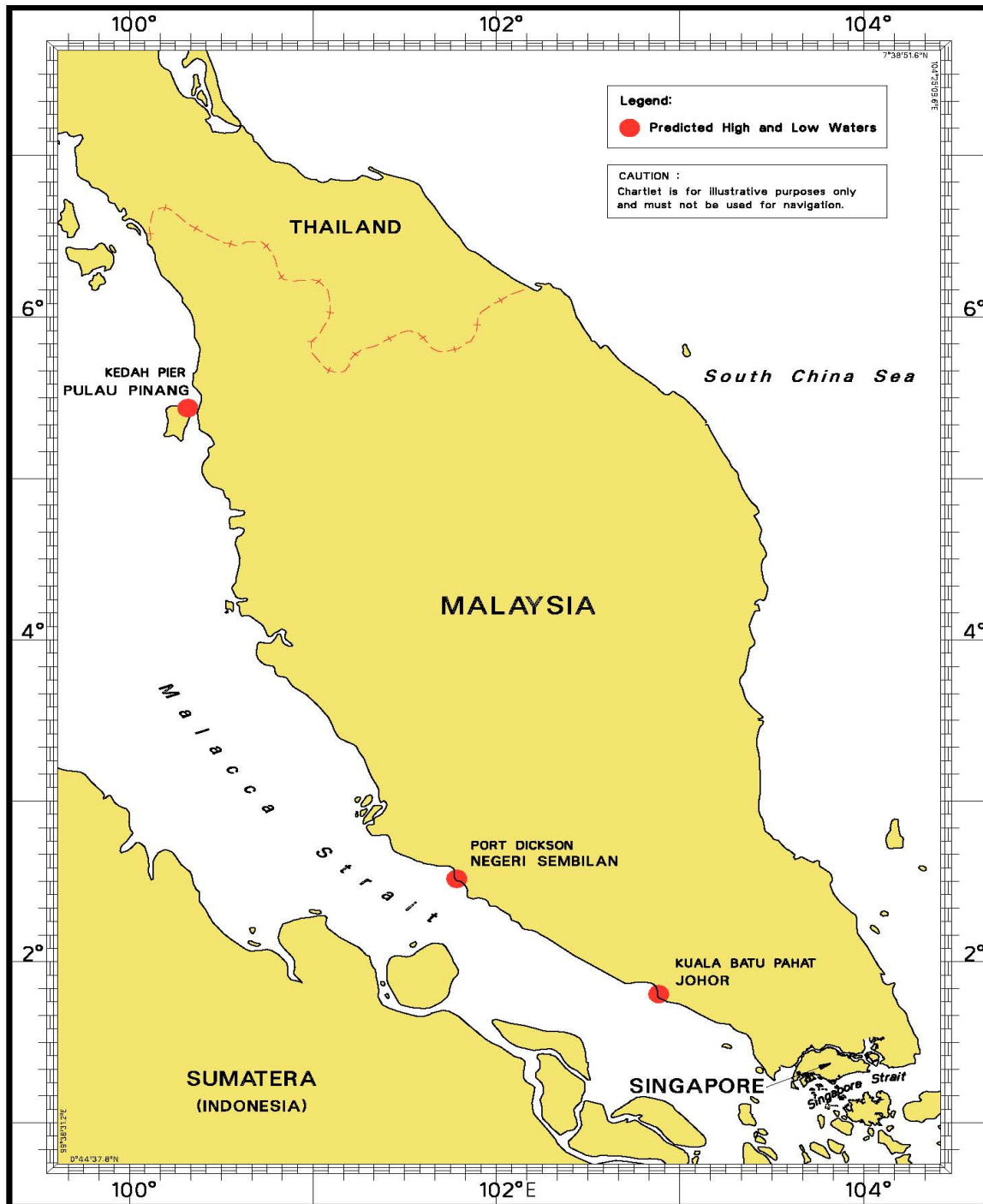


Tidal Prediction Stations in Straits of Malacca and Singapore



II NEW PUBLICATION

Tidal Prediction Stations in Malacca Strait







This publication is available from the following Chart Distributors:


1. Cornes Singapore Pte Ltd
2. DPM (Singapore) Pte Ltd
3. E.W. Limer Charts & Publications Pte Ltd
4. Kelvin Hughes (Singapore) Pte Ltd
5. Motion Smith

(Please refer Page 22 for details)

II NOTICES TO MARINERS AND CHART CORRECTIONS

GSP1/SP1	10Ed 2/03/15 Last NM 75/2015	(Maritime and Port Authority of Singapore)	NM 83/2015
Insert	the accompany block centred on:	1°15'55"N	103°38'89"E
	the accompany block centred on:	1°15'85"N	103°47'15"E
		(Maritime and Port Authority of Singapore)	NM 84/2015
Insert	working limit joining from:	1°20'71"N	104°02'36"E
		1°20'50"N	104°02'39"E
		1°20'50"N	104°02'10"E
	to:	1°20'87"N	104°01'75"E
Delete	working limit joining from:	1°20'71"N	104°02'36"E
		1°21'16"N	104°02'26"E
	to:	1°21'32"N	104°02'40"E
Insert	 Fl. Y. 2s CEF04	1°20'50"N	104°02'10"E
Move	 Fl. Y. 4s CEF01 from:	1°20'71"N	104°02'36"E
	to:	1°20'50"N	104°02'39"E
		(Maritime and Port Authority of Singapore)	NM 85/2015
Delete	 Fl. Y. 8s EM-DHI-SMK01	1°11'43"N	103°45'68"E

201	5Ed 15/08/14 Last NM 77/2015	(Admiralty Notice No. 38/4668/2015)	NM 86/2015
Move	 Fl(3)15s33m11M , from:	1°55'24"N	101°46'29"E
	to:	1°55'10"N	101°46'42"E

202	7Ed 26/09/13 Last NM 74/2015	(Indonesia Notice to Mariners No. 30/370/2015)	NM 87/2015
Insert	 Fl. 4s 5M	1°06'45"N	104°10'72"E

500	7Ed 26/09/13 Last NM 74/2015	(Maritime and Port Authority of Singapore)	NM 83/2015
Insert	working limit joining from:	1°14'55"N	103°39'13"E
		1°14'29"N	103°38'55"E
		1°14'29"N	103°37'44"E
	to:	1°14'21"N	103°37'35"E
Delete	working limit joining from:	1°14'29"N	103°37'31"E
		1°14'29"N	103°37'44"E
	to:	1°14'70"N	103°38'27"E

II
NOTICES TO MARINERS AND CHART CORRECTIONS

500 7Ed 26/09/13 Last NM 74/2015 (continued)

Delete	working limit joining from:	1°14'88"N	103°38'66"E
	to:	1°14'99"N	103°38'92"E

Block for Chart GSP1

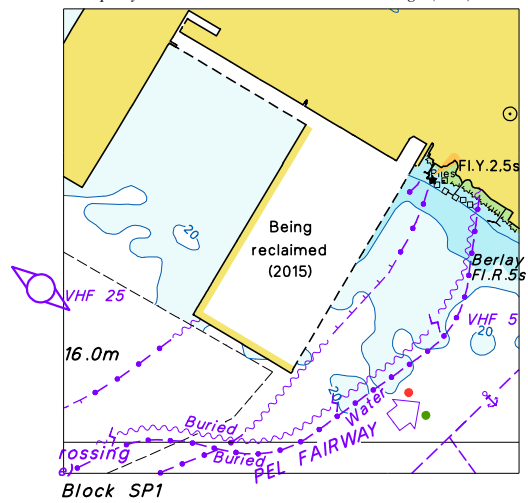
The chart displays the Singapore Strait with the following details:

- Geographical Features:** Tuas Jetty, Tuas Power Stn, Fuel Oil Unloading Jetty, Long Shoal, Pioneer Shoal, Kanran, JAC, Sultan Shoal Lighthouse, and the islands of Tuas and Jurong.
- Navigation Aids:** Numerous buoys (FI, FI.R, FI.G, FI.Y, FI(2), FI(3), FI(4), FI(5), FI(6), FI(7), FI(8), FI(9), FI(10), FI(11), FI(12), FI(13), FI(14), FI(15), FI(16), FI(17), FI(18), FI(19), FI(20), FI(21), FI(22), FI(23), FI(24), FI(25), FI(26), FI(27), FI(28), FI(29), FI(30), FI(31), FI(32), FI(33), FI(34), FI(35), FI(36), FI(37), FI(38), FI(39), FI(40), FI(41), FI(42), FI(43), FI(44), FI(45), FI(46), FI(47), FI(48), FI(49), FI(50), FI(51), FI(52), FI(53), FI(54), FI(55), FI(56), FI(57), FI(58), FI(59), FI(60), FI(61), FI(62), FI(63), FI(64), FI(65), FI(66), FI(67), FI(68), FI(69), FI(70), FI(71), FI(72), FI(73), FI(74), FI(75), FI(76), FI(77), FI(78), FI(79), FI(80), FI(81), FI(82), FI(83), FI(84), FI(85), FI(86), FI(87), FI(88), FI(89), FI(90), FI(91), FI(92), FI(93), FI(94), FI(95), FI(96), FI(97), FI(98), FI(99), FI(100), FI(101), FI(102), FI(103), FI(104), FI(105), FI(106), FI(107), FI(108), FI(109), FI(110), FI(111), FI(112), FI(113), FI(114), FI(115), FI(116), FI(117), 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Block for Chart SP1

[illegible]

To accompany Notices to Mariners 83/15. Image (mm) 61.4 x 60.2



II
TEMPORARY AND PRELIMINARY NOTICES

NIL

III NAVIGATIONAL INFORMATION

***(NM 88/2015) SINGAPORE PORT MARINE NOTICES**

The Port Marine Notices shortlisted below would be of particular interest to mariners. Details and complete list of Port Marine Notices are available at this link:

http://www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/port_marine_notices.page

PMN No.	Subject
105/2015	Conduct of pleasure craft during reduced visibility in the port of Singapore.
106/2015	Conduct of harbour craft during reduced visibility in the port of Singapore.
107/2015	Soil investigation work off Changi East.
109/2015	Upgrading works at Jurong Terminal Berth J10.
111/2015	Removal of floating sea barrier off Poyan Reservoir, West Johor Strait.
112/2015	Reclamation work at Tuas View, off Temasek Fairway.
114/2015	Soil investigation work at Tuas Bay.
115/2015	Construction of jetties and deployment of Acoustic Doppler Current Profiler (ADCP) at Tanah Merah Staging Ground.
116/2015	Replacement of floating sea barrier at Serangoon Harbour.
117/2015	Haze alert – 24 hour PSI Level above 300.

***(NM 89/2015) SINGAPOREAN PRINT-ON-DEMAND (POD) CHARTS**

Print-On-Demand (POD) Charts are the most up-to-date paper nautical charts printed for navigational use. These nautical charts are produced in accordance with the International Hydrographic Organisation (IHO) chart specifications. These official nautical charts are continually updated to the latest Notices to Mariners before they are printed and sold to users.

These POD Charts include 200, 201, 202, 500, 501, 502 and 503.

BENEFITS TO OUR CUSTOMERS

Convenience

Customers need not make numerous hand corrections to the nautical charts before use. In addition the updated POD Charts are more accurate and reliable than offset printed charts with hand corrections.

Clarity

Clarity in the presentation of updated information as compared to lithographic printed charts, where in some cases there are several overlapping corrections over existing information.

Coverage

The POD Charts cover the Malacca and Singapore Straits, from One Fathom Bank to Horsburgh Lighthouse.

*Source: Maritime and Port Authority of Singapore

III AMENDMENTS TO PUBLICATIONS

*(NM 90/2015) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2014/2015”

1. Page 135

CHARACTERISTICS OF AIDS TO NAVIGATION

WEST JURONG CHANNEL

Amend the following:

Name of Beacon/Buoy	Position Lat. N Long. E Deg Min	Structure Colour & Shape	Light Characteristic	Owner
Triton Buoy	01° 16.485' 103° 39.216'	Green Conical	Fl.G.5s	MPA
Long Shoal Buoy	01° 16.084' 103° 39.765'	Red Can	Fl(2)R.10s	MPA
SCM5 Buoy	01° 16.727' 103° 39.015'	Red Can	Fl.R.2s	MPA

Insert the following:

Name of Beacon/Buoy	Position Lat. N Long. E Deg Min	Structure Colour & Shape	Light Characteristic	Owner
DIAP-WJ1 Buoy	01° 16.671' 103° 39.529'	Green Conical	Fl.G.10s	DIAP-Shapjv

2. Page 157

PULAU TEKONG

Amend the following:

Name of Beacon/Buoy	Position Lat. N Long. E Deg Min	Structure Colour & Shape	Light Characteristic	Owner
CEF01 Buoy	01° 20.498' 104° 02.387'	Yellow pillar with 'X' topmark	Fl.Y.4s	Santarli
CEF04 Buoy	01° 20.495' 104° 02.095'	Yellow pillar with 'X' topmark	Fl.Y.2s	Santarli

*Source: Maritime and Port Authority of Singapore

IV REPRINT OF RADIO NAVIGATIONAL WARNINGS

The following Radio Navigational Warnings have been shortlisted, as they would be of particular interest to mariners.

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE ADVISED TO KEEP LOOKOUT FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT198

REPORTS OF VISIBILITY IN THE SINGAPORE STRAIT AND PORT WATERS IS REDUCED BY HAZE. ALL VESSELS ARE ADVISED TO NAVIGATE WITH EXTRA CAUTION.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE INTERNATIONAL COLLISION REGULATIONS, MAINTAIN VHF RADIO WATCH AND LISTEN TO TRAFFIC INFORMATION WHEN NAVIGATING IN THE SINGAPORE STRAIT AND PORT WATERS. MARINERS ARE ALSO ADVISED TO KEEP A GOOD LOOKOUT OF FREQUENT FERRIES CROSSING THE SINGAPORE STRAIT.

TT276 (AMENDED 04 SEPT 2015 0100Z)

BATU BERHANTI BUOY FL(2)5S IS REPORTED BACK IN ITS CHARTED POSITION LAT 01° 11.76'N LONG 103° 52.51'E.

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPARATION SCHEME(TSS) OR PRECAUTIONARY AREAS IN THE SINGAPORE STRAIT DURING THE HOURS OF DARKNESS ARE RECOMMENDED TO DISPLAY THE NIGHT SIGNALS CONSISTING OF 3 ALL-ROUND GREEN LIGHTS IN A VERTICAL LINE WITH EFFECT FROM 1ST JULY 2011 AT 010000UTC (0800SGT) AS DETAILED IN MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 02 OF 2011 DATED 30 MAY 2011.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 27th September 2015)

V

EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL-BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.ukho.gov.uk/ProductsandServices/MaritimeSafety/Pages/NMPublic.aspx>

4427 SINGAPORE – Changi East E –Depths.

Source: Maritime and Port Authority of Singapore

Chart 4043 [*previous update 3665/15*] WGS84 DATUM

Insert	depth, 23₉	1° 19' 41N., 104° 05' 94E.
Delete	depth, 25₈	1° 19' 43N., 104° 05' 78E.

4459 SINGAPORE – Tanjong Pagar Terminal E – Dredged depths.

Source: Maritime and Port Authority of Singapore

Chart 4037 [*previous New Edition 28/05/2015*] WGS84 DATUM

Amend	dredged depth to, 11.4m (2015) , centred on:	1° 15' 967N., 103° 51' 687E.
	dredged depth to, 11.5m (2015) , centred on:	1° 15' 921N., 103° 51' 605E.

4476 SINGAPORE – Jurong Island and Sentosa SW – Buoy. Dredged depths.

Source: Maritime and Port Authority of Singapore

Chart 4034 [*previous update New Edition 28/05/2015*] WGS84 DATUM


Amend	dredged depth to, 13.6m (2014) , centred on:	1° 17' 427N., 103° 43' 508E.
	dredged depth to, 15.1m (2014) , centred on:	1° 17' 389N., 103° 43' 580E.
Delete	 Fl.Y.2s PKH V9	1° 15' 138N., 103° 47' 191E.

Chart 4035 [*previous update 3711/15*] WGS84 DATUM

Delete	 Fl.Y.2s PKH V9	1° 15' 138N., 103° 47' 190E.
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4667 SINGAPORE – Banyan Basin, Selat Pandan and Tuas S – Buoyage. Depths. Obstruction. NM Blocks.

Source: Maritime and Port Authority of Singapore

Chart 4030 [*previous update 3954/15*] WGS84 DATUM

Amend	designation of light-buoy to, TVE 1	1° 12' 458N., 103° 38' 891E.
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Chart 4031 [*previous update 3666/15*] WGS84 DATUM

Insert	depth, 15 , enclosed by 15m contour	(a) 1° 15' 580N., 103° 41' 484E.
	depth, 14₉ , enclosed by 15m contour	1° 15' 495N., 103° 41' 546E.
		1° 15' 192N., 103° 41' 641E.
Amend	designation of light-buoy to, TVE 1	1° 12' 458N., 103° 38' 891E.
Delete	depth, 16₄ , close N of:	(a) above

Chart 4032 [*previous update 3185/15*] WGS84 DATUM

Insert	the accompanying block, centred on:	1° 15' 9N., 103° 43' 6E.
	depth, 15 , enclosed by 15m contour	(a) 1° 15' 580N., 103° 41' 484E.
	depth, 14₉ , enclosed by 15m contour	1° 15' 495N., 103° 41' 546E.
		1° 15' 192N., 103° 41' 641E.
Delete	depth, 16₄ , close N of:	(a) above

V

EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL-BADGED CHARTS

4667 SINGAPORE – Banyan Basin, Selat Pandan and Tuas S – Buoyage. Depths. Obstruction. NM Blocks. (continued)

Chart 4033 [*previous update 3954/15*] WGS84 DATUM

Insert  **Obstn** 1° 17'·376N., 103° 39'·868E.

Chart 4038 (Panel C, Tuas Mega Yard) [*previous update 4350/15*] WGS84 DATUM

Insert the accompanying block, centred on: 1° 15'·4N., 103° 36'·4E.

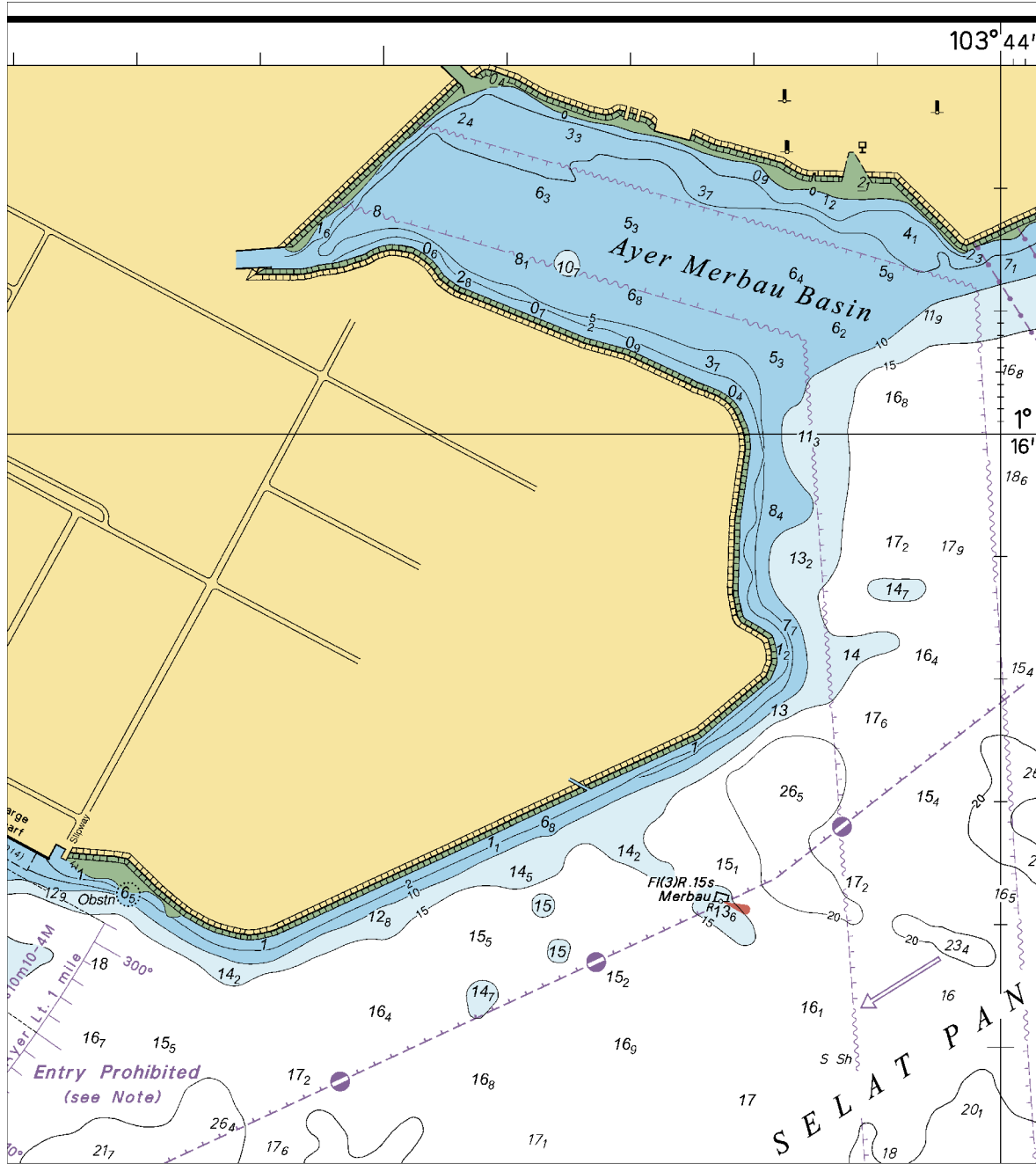
Chart 4038 [*previous update 4350/15*] WGS84 DATUM

Insert the accompanying block, centred on: 1° 16'·1N., 103° 36'·3E.
Amend designation of light-buoy to, **TVE 5** 1° 13'·08N., 103° 36'·29E.
designation of light-buoy to, **TVE 1** 1° 12'·46N., 103° 38'·89E.

Chart 4039 [*previous update 3711/15*] WGS84 DATUM

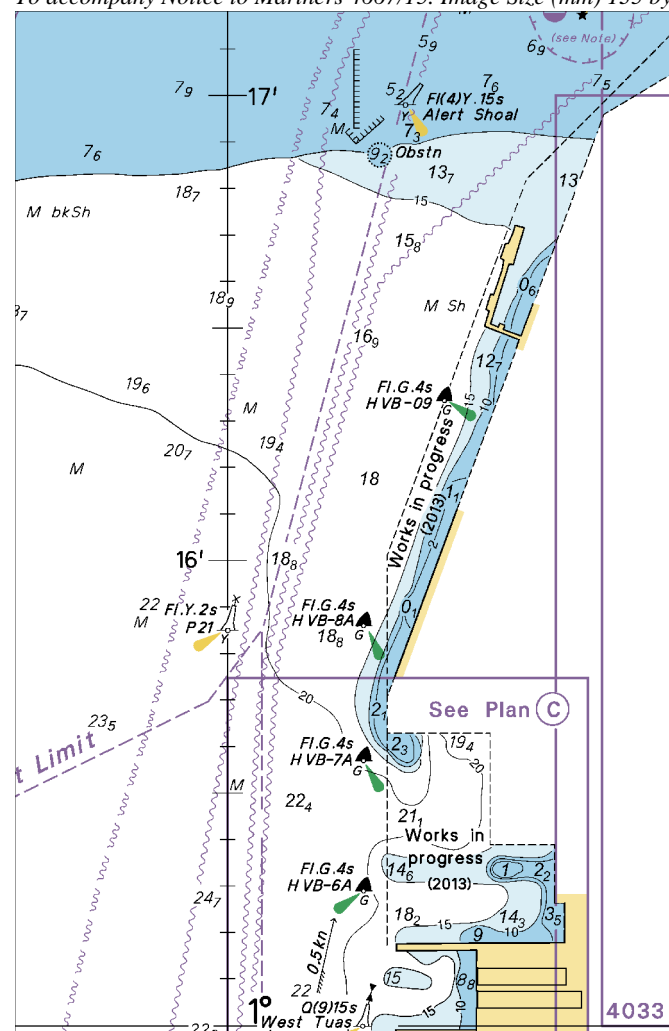
Amend designation of light-buoy to, **TVE 5** 1° 13'·08N., 103° 36'·29E.
designation of light-buoy to, **TVE 1** 1° 12'·46N., 103° 38'·89E.

Updated to Admiralty Notices to Mariners Edition No. 39 of 2015 dated 24th September 2015.



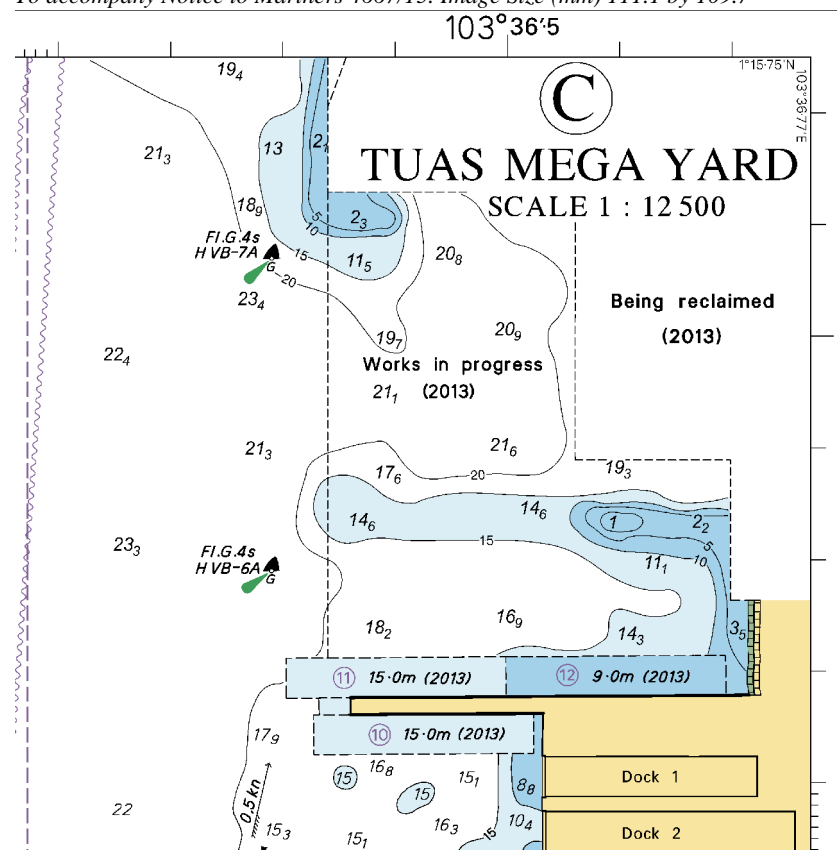
Block for Chart No 4032

To accompany Notice to Mariners 4667/15. Image Size (mm) 135 by 86.6



Block for Chart No 4038

To accompany Notice to Mariners 4667/15. Image Size (mm) 111.1 by 109.7



Block for Chart No 4038

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Jeppesen Norway AS	P.O Box 212 , N-4371 Egersund Norway	Tel: +47 51 46 4700 Fax: +47 51 46 4701 Email: license.marine@jeppesen.com Website : http://www.jeppesen.com/marine
PRIMAR STAVANGER	Lervigsveien 36, P.O Box 60 N-4001 Stavanger, Norway	Tel: +47 51 93 9500 Fax: +47 51 93 9501 Email: sales@ecc.no Website : http://www.primar.no
The United Kingdom Hydrographic Office	Admiralty Way, Taunton Somerset, TA1 2DN United Kingdom	Tel: +44 1823 33 7900 Fax: +44 1823 28 4077 Emails: ENCS.SalesReports@ukho.gov.uk Website: http://www.ukho.gov.uk

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HYDROGRAPHIC NOTE - Instructions

1. Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation or where corrections to nautical publications may be necessary. Reports, which cannot be confirmed or are lacking in certain details should not be withheld.
2. Any ambiguities of time, positioning and depth should be stressed and any firm expectation of being able to check the information provided on a following voyage should be mentioned.
3. Mariners using satellite position fixing systems, eg. GPS, should provide details of equipment and datum used (where applicable). Where bearings (true or magnetic) are taken visually or by radar to fix a position, it should include more than two objects in order to provide a check on its accuracy. A position may also be defined by bearing and distance from a conspicuous object eg. beacon, lighthouse etc.
4. The note should include a tracing or a digital image of the chart used and the details should be clearly marked.
5. Echo sounders frequently register greater depths than the advertised maximum depth for the equipment, eg. a trace appearing at 50 metres may be in fact be 550 metres or even 1050 metres for equipment whose maximum depth is 500 metres. Erroneous depths caused by 2nd transmission error can usually be recognised by the following:
 - (a) the tracing being weaker than normal for the depth registered,
 - (b) the trace appearing to pass through the transmission line,
 - (c) the feathery nature of the trace.
6. Upon receipt of a hydrographic note, a Notice to Mariners may be issued. The sender's vessel or name is quoted as the source unless the same information is also received in foreign Notices to Mariners.
7. Reports of shoals, uncharted dangers and defects in aids to navigation may also be made to the appropriate Singapore Port Operations Control Centre on VHF Channels 10, 12, 14, 68 or 73.

HYDROGRAPHIC NOTE

To:

Chief Hydrographer
Maritime and Port Authority of Singapore
7B Keppel Road #20-00 Tanjong Pagar Complex
Singapore 089055

Tel : (65) 6325 2027
Fax : (65) 6226 1076
Email : hydrographic@mpa.gov.sg

Sender's Contact Details :

Date :

Name of Vessel :

Address of Sender :

Tel : Fax :

Email :

Nature of Observation :

General Location :

Subject :

Position : Lat. Long.

Charts Used :

Date & Time of Observation :

Details :

.....

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Attachment :

Equipment Used :

Type of Position Fixing : GPS / DGPS Others :

Type of Echo Sounder :

Name and Signature :

Ship's/Company's Stamp :