

SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain information required to keep charts and publications published by the Hydrographic Division, Maritime and Port Authority of Singapore up-to-date.

Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately of the discovery of new or suspected dangers to navigation, observed changes to aids to navigation and ways Singaporean Charts and Publications can be improved. The Hydrographic Note on the back page should be used for this purpose.

Detailed information of charts and publications (coverage of charts, latest editions and distributors) are available on the Maritime and Port Authority Website: www.mpa.gov.sg

•	Singaporean	Notice '	to	Mariners
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- Singaporean Charts
- <u>Dual-Badged Charts</u>
- Singapore ENC
- Malacca and Singapore Straits ENC
- Singapore Port Information
- Singapore Tide Tables

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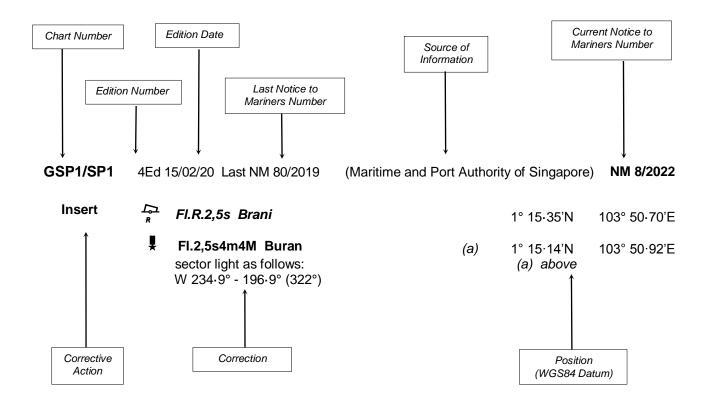
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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

- a) Notice to Mariners number followed by:
 - T indicates a Temporary Notice (eg. NM 9T/2022).
 - P indicates a Preliminary Notice (eg. NM 10P/2022).
- b) Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- c) Heights and elevations are above Mean High Water Springs.
- d) # indicates where amendments are made.
- e) * indicates source from Maritime and Port Authority of Singapore.

I AFFECTED CHARTS AND PUBLICATIONS

INDEX OF NOTICES

NOTICE NO.	DESCRIPTION	PAGE NO.
-	New Charts and Publications	2
*36	Numerical Index to Notice to Mariners 2022	3
37	Singaporean Chart 200	4
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37	Singaporean Chart 202	4
37	Singaporean Chart 500	4
38T	Temporary and Preliminary Notices	5 - 6
*39	Singapore Port Marine Notices/Circulars	8
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*Source: Maritime and Port Authority of Singapore

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NEW CHARTS AND PUBLICATIONS

NEW EDITION CHARTS PUBLISHED ON 30TH MAY 2022

Chart Number : CHARTS FOR SMALL CRAFT

Title : Singapore Port Waters and Approaches - 2022/2023 Edition

Date Published : 30th May 2022 Size of Chart : 600.0 x 400.0 mm

Description : The publication contains 12 Small Craft Charts and related nautical information bound into an atlas. The symbols, abbreviations and term

depicted on these charts are consistent with the International Hydrographic Organization Chart Standards and Specifications.



Symbols for the locations of pleasure craft facilities and areas for sea sport activities such as board sailing, dinghy sailing, keelboat sailing, power-boating and water-skiing are also included and highlighted in red.

Chart of the same publication Edition 2020/2021 published on 28th April 2020 has been superseded.

NOTICES TO MARINERS AND CHART CORRECTIONS

*(NM 36/2022) NUMERICAL INDEX TO NOTICES TO MARINERS OF 2022 (1 TO 35)

	MONTH		NOTICES TO MARINERS NO.
	JANUARY 2022		1 to 6
	FEBRUARY 2022		7 to 10T
	MARCH 2022		11 to 17
	APRIL 2022		18 to 23
	MAY 2022		24 to 32
	JUNE 2022		33 to 35
CHART NO.	PUBLISHED	YEAR	NOTICES TO MARINERS NO.
GSP1/SP1	6 Ed 17/01/22	2022	11-12-24
200	4 Ed 1/09/15	2022	26-27
201	6 Ed 15/09/17	2022	13
202	8 Ed 15/09/16	2022	07-14-18-19-20
500	8 Ed 15/09/17	2022	07
501	7 Ed 1/09/15	2022	21-24
502	9 Ed 15/10/21	2022	02-08-24-25
503	5 Ed 15/08/14	2022	02-18-20-25

II NOTICES TO MARINERS AND CHART CORRECTIONS

200	4 Ed 01/09/15 Last NM 27/22 (M	lalaysian Chart 521)		NM 37/2022
Insert	depth, 15_6 , enclosed by 20m contour		2° 11'·84N	102° 05'·77E
	depth, 18 , enclosed by 20m contour		2° 13'·05N	102° 04'·19E
201	6 Ed 15/09/17 Last NM 13/22 (M	lalaysian Chart 521)		NM 37/2022
Insert	submarine pipeline, **** joining:		(a) 1° 24'·82N	103°24'·86E
			(b) 1° 30'·97N	103°02'·57E
	legend, Water, along:		(a)-(b) above	
	depth, 28_5 , and extend 30m contour SW	to enclose	(c) 1° 50'-66N	102°31'·58E
Delete	depth, 34 , close SW of:		(c) above	
Insert	depth, 28		(d) 2° 06'·11N	102° 11'-98E
Delete	depth, 30 , close N of:		(d) above	
Insert	depth, 10_4 , enclosed by 20m contour		(e) 2° 11'·58N	102° 10'·10E
Delete	depth, 23_7 , close E of:		(e) above	
Insert	depth, 15_6 , enclosed by 20m contour		2° 11'·84N	102° 05'·77E
	depth, $^{\it 18}$, enclosed by 20m contour		2° 13'·05N	102° 04'·19E
202	8 Ed 15/09/16 Last NM 20/22 (M	Malaysian Chart 521)		NM 37/2022
Insert	submarine pipeline, **** joining:		(a) 1° 24'·82N	103°24'·86E
			(b) 1° 30'·21N	103°05'·34E
	locond Mater along		(border) (a)-(b) above	
	legend, <i>Water</i> , along:		(a)-(b) above	
500	8 Ed 15/09/17 Last NM 07/22 (M	Malaysian Chart 521)		NM 37/2022
Insert	submarine pipeline, **** joining:		(a) 1° 24'·82N	103°24'·86E
			(b) 1° 30'·08N	103°05'·80E
	lamond Mater storm		(border)	
	legend, <i>Water</i> , along:		(a)-(b) above	

TEMPORARY AND PRELIMINARY NOTICES

(NM 38T/2022) JOINT HYDROGRAPHIC SURVEY IN STRAITS OF MALACCA AND SINGAPORE

Purpose: Hydrographic survey will be carried out in the Straits, in order to improve safe navigation and

smooth uninterrupted passage in the Traffic Separation Scheme (TSS) of the Straits of

Malacca and Singapore (STRAITREP Sector 1 to 3)

Overall Survey

From 8th July to 15th August 2022, daylight hours only

Period:

Refer to attached Table: Schedule of Survey in 2022

Survey vessel:

SSE RACHELLE, Call Sign: C2CB2 (From 8th July to 15th August 2022)

Operation:

This hydrographic survey will be carried out by means of multi-beam echo sounder with line spacing of around 100m at 5 to 8 knots within the TSS, and no towing-vehicle will be towed

behind.

This hydrographic survey will be implemented with two ways, back and forth along the TSS.

Survey areas:

The survey in the Malacca Strait will be conducted in stages according to the survey period listed below at the Traffic Separation Scheme bounded by the following coordinates:

(Refer to attached Figure: Survey Areas in 2022)

Coordinates of Survey area A-10	Latitude (N)	Longitude (E)	Survey Period
А	2° 25′ 48·567"	101° 35′ 13·397"	
В	2° 24′ 21·573"	101° 37′ 00·757"	8 th July 2022 to
С	2° 23' 37·072"	101° 36' 22·464"	9 th July 2022
D	2° 25′ 02·524"	101° 34′ 35·878"	

Coordinates of Survey area A-11	Latitude (N)	Longitude (E)	Survey Period
А	2° 27′ 14·571"	101° 41'06·840"	
В	2° 25′ 31·610"	101° 43′ 07·906"	10 th July 2022 to
С	2° 23' 00·511"	101° 41′ 09·309"	17 th July 2022
D	2° 23′ 51·011″	101° 40′ 05·398"	
E	2° 25′ 50·777"	101° 40′ 04·960"	

TEMPORARY AND PRELIMINARY NOTICES

Coordinates of Survey area A-14	Latitude (N)	Longitude (E)	Survey Period
А	2° 23' 51·011"	101° 40′ 05·398"	
В	2° 14′ 13·350"	101° 52′ 16·259"	18 th July 2022 to
С	2° 13' 38·824"	101° 48' 55·100"	15 th August 2022
D	2° 20′ 43·353"	101° 40′ 05·534"	

Charts affected: Singaporean Charts 200 and 201

ENC affected: MS3OF2TT and MS3RS2FC

Remarks: 1. Mariners are advised to navigate with caution and to give a wide berth

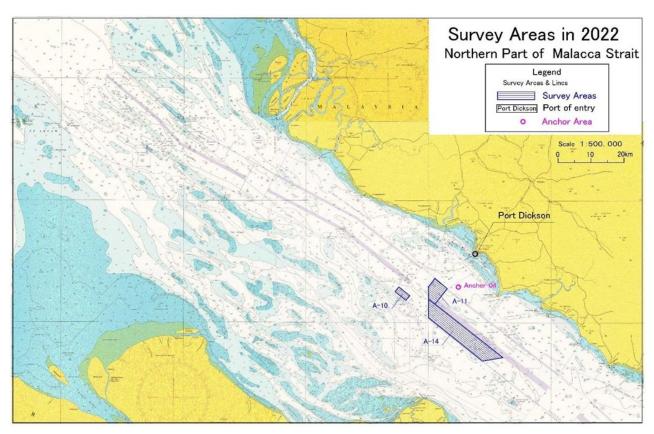
2. Navigational warning broadcast will be promulgated by NAVTEX and Klang VTS on VHF CH 66/16 for sector 1, CH 88/16 for sector 2, CH 84/16 for sector 3 and CH 61/16 for sector 4, respectively. Mariners are to maintain a listening watch

sector 4, respectively. Mariners are to maintain a listening watch

Source: Aero Asahi Corporation, Japan (SCOPE OF WORKS FOR PHASE 2 OF THE JOINT HYDROGRAPHIC SURVEY OF THE STRAITS OF MALACCA AND SINGAPORE (THE

"JOINT HYDROGRAPHIC SURVEY")

Figure: Survey Areas in 2022



TEMPORARY AND PRELIMINARY NOTICES

Cancelled Temporary and Preliminary Notices

NIL

NAVIGATIONAL INFORMATION

*(NM 39/2022)	SINGAPORE PORT MARINE NOTICES / CIRCULARS
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The Port Marine Notices/Circulars shortlisted below would be of particular interest to Mariners. Details and complete list of Port Marine Notices/Circulars are available at

his link:

http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices

PMC No. Subject

13/2022 Maritime and Port Authority of Singapore cancels Khalon Worldwide Surveyors Pte.

Ltd.'s Bunker Surveying Company Licence

PMN No.	Subject
033/2022	Supply and delivery of sand at Tuas View extension
034/2022	Hydrographic survey off Pulau Sudong
035/2022	Cable laying work off Changi East
036/2022	Solid investigation work off Changi North
037/2022	Transport of sand material to stockpile area at Tuas View extension
038/2022	Transport of sand material off Very Large Crude Carrier Anchorage (AVLCC)
039/2022	Deployment of underwater objects off Raffles Reserved Anchorage

^{*}Source: Maritime and Port Authority of Singapore

III AMENDMENTS TO PUBLICATIONS

*(NM 40/2022) UPDATING OF PUBLICATION "SINGAPORE PORT INFORMATION 2022/2023" CHARACTERISTICS OF AIDS TO NAVIGATION

1. **Page 155**

EAST JOHOR STRAIT

Amend the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
RTS-LTA-P1 Buoy	01°27·428′ 103°46·942′	Red can with red can topmark	Fl.R.3s	China Communications Construction Company Limited
RTS-LTA-P2 Buoy	01°27·369' 103°46·852'	Red can with red can topmark	Fl.R.3s	China Communications Construction Company Limited
RTS-LTA-S1 Buoy	01°27·453' 103°46·927'	Green conical with green conical topmark	Fl.G.3s	China Communications Construction Company Limited
RTS-LTA-S2 Buoy	01°27·390′ 103°46·834′	Green conical with green conical topmark	Fl.G.3s	China Communications Construction Company Limited

*Source: Maritime and Port Authority of Singapore

IV

REPRINT OF MARITIME SAFETY INFORMATION

The following Maritime Safety Information have been shortlisted, as they would be of particular interest to mariners.

TT418

WEST BOUND DEEP DRAFT VESSELS AND VLCCS ARE REMINDED TO COMPLY WITH THE RULES OF VESSELS NAVIGATING THROUGH THE STRAITS OF MALACCA AND SINGAPORE (SOMS). THEY SHALL ALLOW FOR AN UKC OF AT LEAST 3.5 METRES AT ALL TIMES DURING THE ENTIRE PASSAGE THROUGH THE SOMS AND AS FAR AS IT IS SAFE AND PRACTICABLE, PROCEED AT A SPEED OF NOT MORE THAN 12 KTS OVER THE GROUND IN THE WESTBOUND LANE OF THE SINGAPORE STRAIT (BETWEEN SOUTH OF ST JOHN'S ISLAND & RAFFLES LIGHTHOUSE). THEY ARE ADVISED TO BROADCAST, 8 HOURS BEFORE ENTERING THE TSS, NAVIGATIONAL INFORMATION GIVING NAME, DEADWEIGHT, DRAUGHT, SPEED AND TIMES OF PASSING HORSBURGH LIGHTHOUSE AND RAFFLES LIGHTHOUSE.

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 AS DETAILED IN THE MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 04 OF 2013 DATED 7 MAY 2013.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE COLREGS, 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.

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH PARTICULAR ALERTNESS AND CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE REMINDED TO PROCEED AT A SAFE SPEED AND MAINTAIN A PROPER LOOK-OUT, PARTICULARLY FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT853 (AMENDED ON 24 JUNE 2022 0840LT)

THERE IS A REPORT OF UNAUTHORISED BOARDING ON 23 JUNE 2022 AT 0401LT IN POSITION LAT 01-16.9N LONG 104-19.12E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI-PIRACY WATCH.

TT852

THERE IS A REPORT OF UNAUTHORISED BOARDING ON 20 JUNE 2022 AT 0130LT IN POSITION LAT 01-16.70N LONG 103-15.40E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI-PIRACY WATCH.

SR433

PANPAN PANPAN PANPAN

REPORT OF 7 MISSING PASSENGERS FROM A SPEED BOAT AT POSITION LAT 01-14.58N,LONG 104-04.4E ON 16 JUNE 2022 AT 1930HRS LT. VESSELS PASSING THE VICNITY ARE REQUESTED TO KEEP A SHARP LOOK OUT, RENDER NECESSARY ASSISTANCE AND REPORT ANY SIGHTINGS TO MRCC SINGAPORE VIA TEL +65 6226 5539, EMAIL: POCC@MPA.GOV.SG. OR INDONESIA MRCC

TT826

PKHDB-18 BUOY AT POSITION LAT 01-13.642N LONG 103-36.288E WITH LIGHT CHARACTER FL.G.2S IS MISSING. MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION

TT783 (AMENDED ON 221130UTC NOV 21)

BANYAN BEACON AT POSITION 01-13.346 N 103-41.585E WAS REMOVED FOR MAINTENANCE. AN ISO DANGER BUOY WITH LIGHT CHARACTER, FL(2) 10S IS DEPLOYED AT POSITION 01-13.313N, 103-41.543E.

IV

REPRINT OF MARITIME SAFETY INFORMATION

The following Maritime Safety Information have been shortlisted, as they would be of particular interest to mariners.

TT765 (Amended 200930H)

CONDUCTING OF RECLAMATION WORKS BOUNDED BY THE FOLLOWING COORDINATES FROM 1 SEP 2021.

1. 01-19.63N 104-24.08E 2. 01-20.05N 104-24.08E 3. 01-20.28N 104-24.51E 4. 01-20.26N 104-24.59E 5. 01-20.18N 104-24.70E 6. 01-20.06N 104-24.78E 7. 01-19.88N 104-24.84E 8. 01-19.68N 104-24.83E

104-24.80E

VESSELS PASSING IN THE VICINITY ARE ADVISED TO GIVE A WIDE BERTH AND NAVIGATE WITH CAUTION.

TT643

9. 01-19.63N

THERE IS REPORT OF CONCENTRATION OF FISHING VESSELS OBSERVED IN THE EASTBOUND TRAFFIC LANE IN THE VICINITY BETWEEN BUFFALO ROCK AND BATU BERHANTI. ALL VESSELS ARE ADVISED TO PROCEED AT A SAFE SPEED, KEEP A SHARP LOOK OUT AND NAVIGATE WITH EXTREME CAUTION AT ALL TIME.

TT642

ALL MARINERS NAVIGATING THROUGH THE STRAIT OF SINGAPORE ARE REMINDED TO MAINTAIN CLOSE AND CONTINUOUS MONITORING OF VESSEL'S POSITION. IN DETERMINING RISK OF GROUNDING, DIFFERENT METHODS OF POSITION FIXING SHOULD ALSO BE USED AS MEANS OF CROSS-CHECKING.

TT426

ALL MARINERS ARE REMINDED TO NAVIGATE WITH CAUTION IN THE PRECAUTIONARY AREAS AND TSS ,MAINTAIN A GOOD LOOKOUT FOR CROSSING TRAFFIC. VESSELS INTENDING TO CROSS THE TSS SHALL DO SO ONLY WHEN IT IS SAFE AND SHALL AT ALL TIMES COMPLY WITH THE COLREGS.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATIONAL AWARENESS FOR OTHER TRAFFIC IN THE VICINITY. EG: SG-PEBGB FOR PILOT EASTERN BOARDING GROUND BRAVO.

TT363 (AMENDED ON 140821UTC APRIL 2019).

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS, INCLUDING PRECAUTIONARY AREAS OF THE STRAITS OF MALACCA AND SINGAPORE AS WELL AS BETWEEN THE LANDWARD LIMITS OF THE TSS AND APPROACHES TO THE PORTS. VESSELS ENTERING ANY PORT IN ANY LITTORAL STATES ARE TO ANCHOR IN THE ANCHORAGES DESIGNATED BY THE RESPECTIVE LITTORAL STATES. MARINERS ARE ALSO REMINDED THAT EVERY CARE SHOULD BE TAKEN TO AVOID ANCHORING IN THE VICINITY OF SUBMARINE CABLES OR PIPELINES.

SR123 (AMENDED ON 100800UTC JUNE 2020).

SEA ROBBERIES ARE REPORTED IN THE SINGAPORE STRAIT. MARINERS ARE TO MAINTAIN A CONSTANT VISUAL AND RADAR WATCH FOR SMALL CRAFT AND REPORT ANY SUSPICIOUS ACTIVITIES IN THE SINGAPORE STRAIT TO VTIS SINGAPORE.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 28th June 2022)

V

EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners

2375(T)/22 MALAYSIA - Peninsular Malaysia, East Coast - Light-beacon. Buoy.

Source: Malaysian Notice 7/136(T)/21

- 1. The Neville Rock light-beacon, Fl(2)R.5s15m10M in position 1° 26′ 66N., 104° 02′ 64E. has been destroyed.
- 2. A red lateral light-buoy, FI(2)R.5s has been established in position 1° 26′ 67N., 104° 02′ 75E.
- 3. Former Notice 4679(T)/21 is cancelled.

(WGS84 DATUM)

Charts affected - 4043 - 4044

2539* SINGAPORE - NM Blocks.

Source: Maritime and Port Authority of Singapore

Chart 4030 [previous update 1622/22] WGS84 DATUM

Insert the accompanying block, centred on: 1° 15′ · 2N., 103° 38′ · 1E.

Chart 4033 [previous update 1622/22] WGS84 DATUM

Insert the accompanying block, centred on: 1° 15′-2N., 103° 38′-1E.

2568* SINGAPORE - Depths.

Source: Maritime and Port Authority of Singapore

Chart 4031 [previous update 613/22] WGS84 DATUM

Insert depth, 14_7 , enclosed by 15m contour 1° 14′·493N., 103° 42′·340E.

Chart 4032 [previous update 884/22] WGS84 DATUM

Insert depth, 14_7 , enclosed by 15m contour 1° 14′·493N., 103° 42′·340E.

Chart 4040 [previous update 1917/22] WGS84 DATUM

Insert depth, 14_7 , enclosed by 15m contour (a) 1° 14′·49N., 103° 42′·34E.

Delete depth, 15_I , close SE of: (a) above

2613 INDONESIA - Sumatera - Buoy.

Source: Indonesian Notice 9/96/22

Chart 4042 [previous update 2141/22] WGS84 DATUM

Delete 28 LF1.8s 1° 10′ · 27N., 104° 18′ · 23E.

103° 50′·0E.

V

EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners

2620 SINGAPORE - NM Block.

Source: Maritime and Port Authority of Singapore

Note: Former Notice 155(P)/22 is cancelled.

Chart 4044 (Panel C, Sembawang)

[previous update 1818/22] WGS84 DATUM

Insert the accompanying block, centred on: 1° 27′·7N.,

2540(T)/22 SINGAPORE - Buoy.

Source: Maritime and Port Authority of Singapore.

1. A mooring buoy has been established in position 1° 18′-98N., 104° 03′-77E.

(WGS84 DATUM)

Charts affected - 3831 - 4041 - 4042 - 4043 - 8177 - 8285

Source: Maritime and Port Authority of Singapore

2615(P)/22 SINGAPORE - Dredged area. Dredged depth. Berth.

Source: Maritime and Port Authority of Singapore

Update	Feature	Position
Insert	limit of dredged area, pecked	(a) 1° 15′·284N., 103° 38′·117E.
	line, joining:	(b) 1° 15′·239N., 103° 38′·117E.
		(c) 1° 15′·239N., 103° 38′·332E.
		(d) 1° 15′·284N., 103° 38′·332E.
	dredged depth, 23.0m within:	(a)-(d) above
	berth number, T208	1° 15′·215N., 103° 38′·233E.

Chart affected - 8175

2621(P)/22 SINGAPORE - Dredged depths.

Source: Maritime and Port Authority of Singapore

Update	Feature	Position
Amend	dredged depth to 12.0m (2021)	1° 27′ ·822N., 103° 50′ ·035E.
	dredged depth to 10.7m (2021)	1° 27′·739N., 103° 49′·989E.
	dredged depth to 9.2m (2021)	1° 27′·670N., 103° 49′·950E.
	out of position dredged depth to 9.4m (2021)	1° 27′·621N., 103° 49′·948E.
	dredged depth to 9.5m (2021)	1° 27′·641N., 103° 49′·990E.
	dredged depth to 10 8m (2021)	1° 27′·711N., 103° 50′·030E.
	dredged depth to 11.5m (2021)	1° 27′ ·799N., 103° 50′ ·080E.

2. Former Notice 155(P)/22 is cancelled.

Chart affected - 8285

Updated to Admiralty Notices to Mariners no. 25 of 2022 dated 23rd June 2022

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

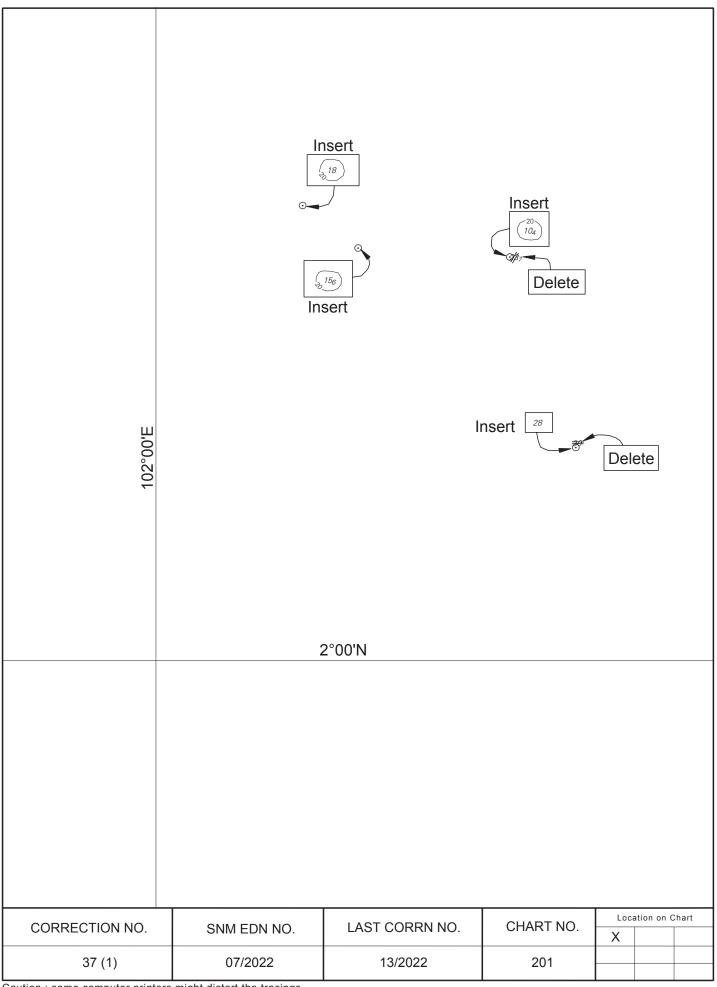
To:

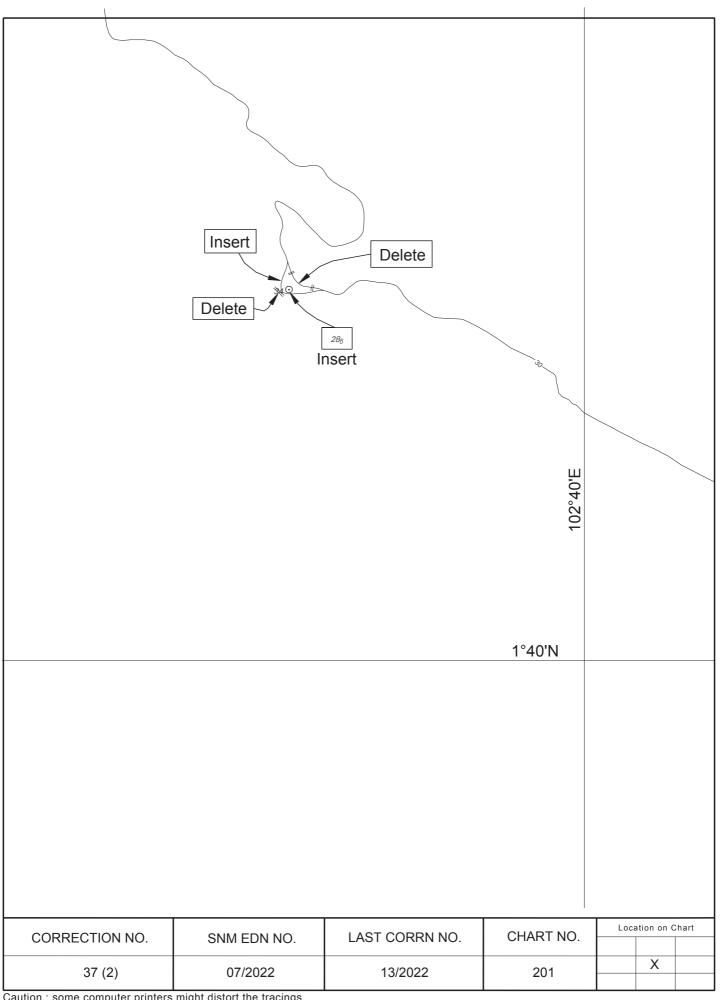
Chief Hydrographer Maritime and Port Authority of Singapore 7B Keppel Road #20-00 Tanjong Pagar Complex Singapore 089055

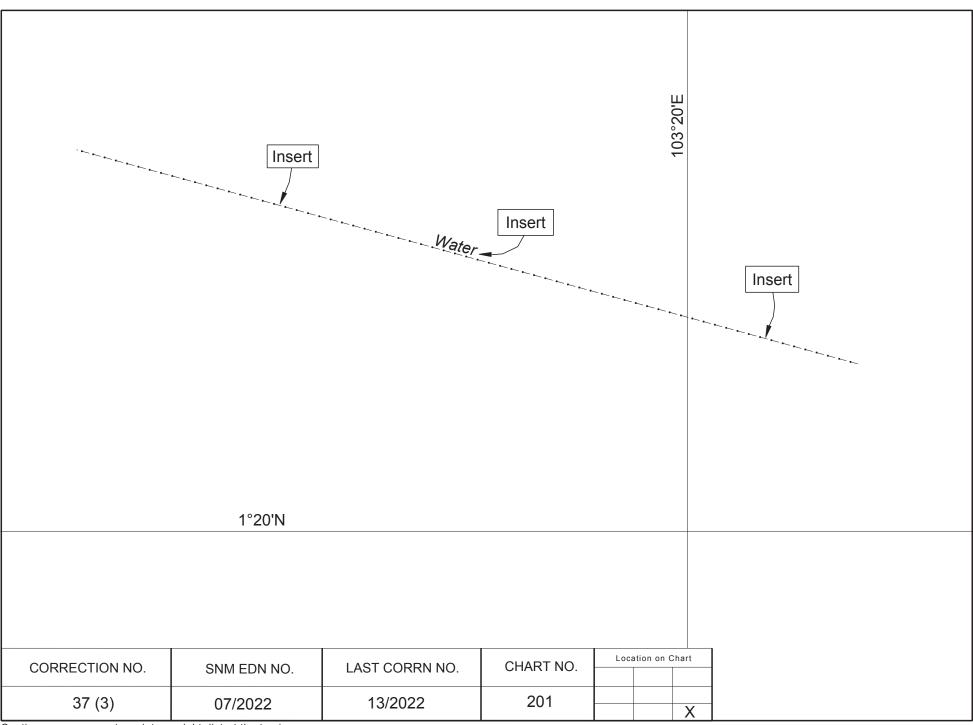
Tel : 1800 272 7777 / (65) 6272 7777 Email : <u>hydrographic@mpa.gov.sg</u>

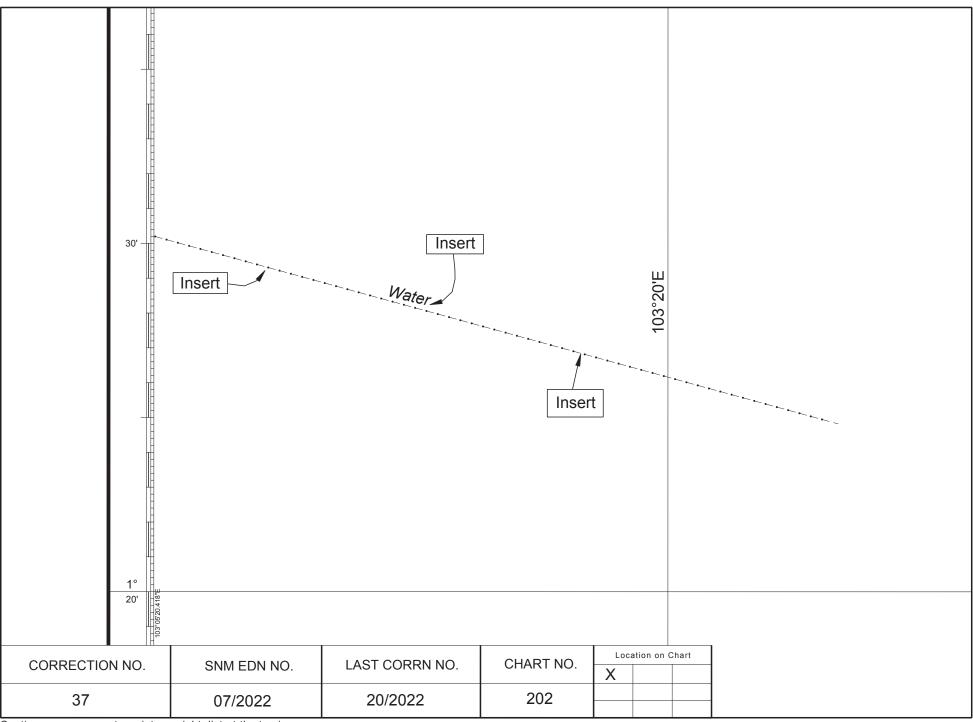
Sender's Contact Details :	
Date :	
Name of Vessel :	
Address of Sender :	
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Nature of Observation :	
General Location :	
Subject :	
	ong.
Charts Used :	
Date & Time of Observation :	
Details :	
Attachment :	
Equipment Used :	
Type of Position Fixing : GPS / DGPS	Others :
Type of Echo Sounder :	
Name and Signature :	
Ship's/Company's Stamp :	

			2°.	20'N			
		102°00'E		Insert			
CORRECTION NO.	SNM EDN NO.	LAST CORRN N	NO.	CHART NO.	Loca	ation on C	Chart
37	07/2022	27/2022		200			X

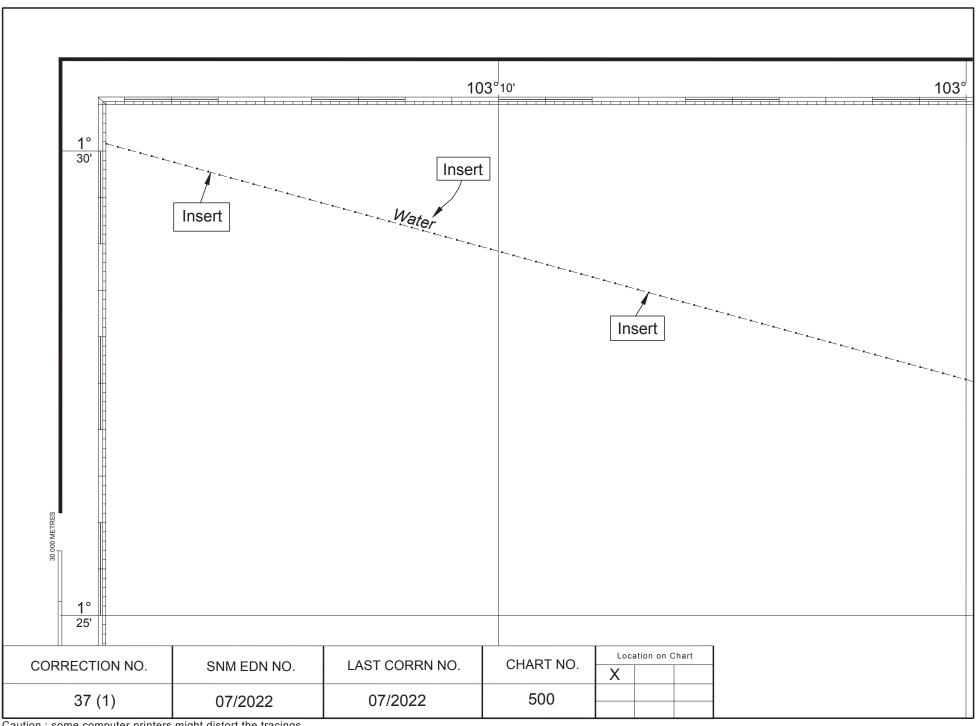








Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



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