



## 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 Department, 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](http://www.mpa.gov.sg)

The Chief Hydrographer of  
The Maritime and Port Authority of Singapore  
wishes all users  
**A HAPPY NEW YEAR**

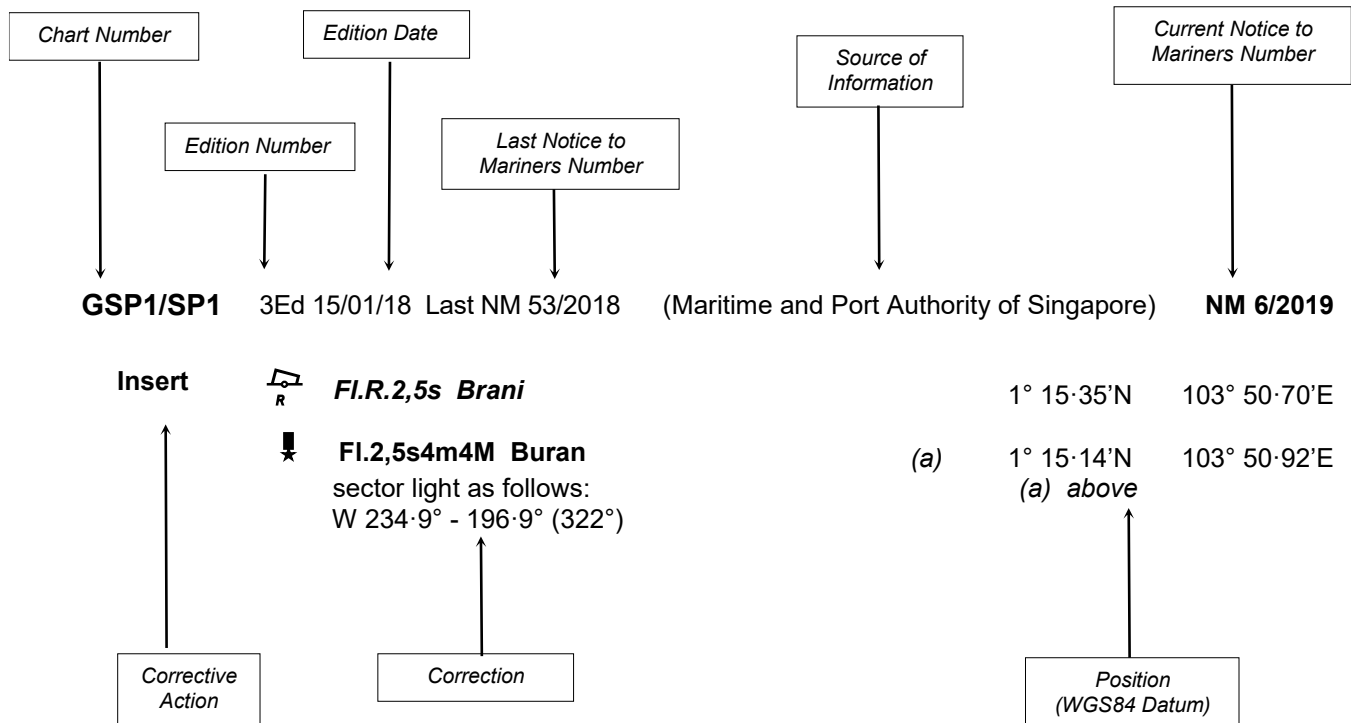
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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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/2019**).

**P** indicates a Preliminary Notice (eg. **NM 10P/2019**).

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.

I  
**AFFECTED CHARTS AND PUBLICATIONS**

**INDEX OF AFFECTED CHARTS**

DESCRIPTION	NOTICE NO.	PAGE NO.
New Charts and Publications	-	3 to 10
Numerical Index to Notices to Mariners of 2018	*1	11
Singaporean Chart GSP1/SP1	2, *3	12
Singaporean Chart 200	4	12
Singaporean Chart 201	5	12
Singaporean Chart 202	5, 6	12
Singaporean Chart 500	5, 6	13
Singaporean Chart 502	*7	13
Temporary and Preliminary Notices	8T, *9T, 10P	14 to 23
Singapore Port Marine Notices/Circulars	*11	24, 25
Amendments to Publications	*12, *13	26 to 29
Reprint of Maritime Safety Information	-	30, 31
Extract of Admiralty Notices to Mariners for Dual-Badged Charts	-	32

\*Source: Maritime and Port Authority of Singapore

I  
**AFFECTED CHARTS AND PUBLICATIONS**

**INDEX OF NOTICES**

<b>NOTICE NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO.</b>
-	New Charts and Publications	3 to 10
*1	Numerical Index to Notices to Mariners of 2018	11
2, *3	Singaporean Chart GSP1/SP1	12
4	Singaporean Chart 200	12
5	Singaporean Chart 201	12
5, 6	Singaporean Chart 202	12
5, 6	Singaporean Chart 500	13
*7	Singaporean Chart 502	13
8T, *9T, 10P	Temporary and Preliminary Notices	14 to 23
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*12, *13	Amendments to Publications	26 to 29
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\*Source: Maritime and Port Authority of Singapore

## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION DUAL BADGED CHARTS PUBLISHED ON 27<sup>TH</sup> DECEMBER 2018

<b>Chart Number</b>	:	4041
<b>Title</b>	:	Singapore and Indonesia Pulau Sebarok to Changi
<b>Coverage</b>	:	Lat 01° 07·40' N      01° 19·60' N Long 103° 46·90' E      104° 04·70' E
<b>Scale</b>	:	1 : 30 000
<b>Date Published</b>	:	27 <sup>th</sup> December 2018
<b>Size of Chart</b>	:	1100.6 x 749.6 mm
<b>Description</b>	:	This new edition includes updated submarine cables, bathymetry and topography details covering Pulau Sebarok to Changi.
		The existing chart of the same number published on 4 <sup>th</sup> May 2017 has been superseded.

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<b>Chart Number</b>	:	4043
<b>Title</b>	:	Malaysia and Singapore Kuala Johor and Sungai Johor
<b>Coverage</b>	:	Lat 01° 16·10' N      01° 34·00' N Long 103° 57·90' E      104° 10·00' E
<b>Scale</b>	:	1 : 30 000
<b>Date Published</b>	:	27 <sup>th</sup> December 2018
<b>Size of Chart</b>	:	748.1 x 1099.6 mm
<b>Description</b>	:	This new edition includes updated submarine cables and bathymetry details covering Kuala Johor and Sungai Johor.
		The existing chart of the same number published on 15 <sup>th</sup> June 2017 has been superseded.

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## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION DUAL BADGED CHARTS PUBLISHED ON 27<sup>TH</sup> DECEMBER 2018

<b>Chart Number</b>	:	4044
<b>Title</b>	:	Singapore and Malaysia Johor Strait - Eastern Part
<b>Coverage</b>	:	Lat 01° 19·00' N      01° 31·20' N Long 103° 45·60' E    104° 03·40' E
<b>Scale</b>	:	1 : 30 000
<b>Date Published</b>	:	27 <sup>th</sup> December 2018
<b>Size of Chart</b>	:	1100.5 x 749.5 mm
<b>Description</b>	:	This new edition includes updated bathymetry and topography details covering Eastern Part of Johor Strait.  The existing chart of the same number published on 15 <sup>th</sup> June 2017 has been superseded.

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## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION SINGAPORE ENC RELEASED ON 27<sup>TH</sup> DECEMBER 2018

<b>ENC Name</b>	:	SG5C4041
<b>Location</b>	:	Pulau Sebarok to Changi
<b>Coverage</b>	:	Lat 01° 07' 40' N      01° 19' 60' N Long 103° 45' 60' E      104° 04' 70' E
<b>Compilation Scale</b>	:	1 : 22 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated submarine cables, bathymetry and topography details covering Pulau Sebarok to Changi.  The existing cell of the same name released on 17 <sup>th</sup> July 2017 has been superseded.

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<b>ENC Name</b>	:	SG5C4043
<b>Location</b>	:	Kuala Johor
<b>Coverage</b>	:	Lat 01° 16' 10' N      01° 27' 50' N Long 103° 59' 80' E      104° 10' 00' E
<b>Compilation Scale</b>	:	1 : 22 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated submarine cables and bathymetry details covering Kuala Johor.  The existing cell of the same name released on 17 <sup>th</sup> July 2017 has been superseded.

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<b>ENC Name</b>	:	SG5C4044
<b>Location</b>	:	Johor Strait - Eastern Part
<b>Coverage</b>	:	Lat 01° 16' 10' N      01° 27' 50' N Long 103° 59' 80' E      104° 10' 00' E
<b>Compilation Scale</b>	:	1 : 22 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated bathymetry and topography details covering Eastern Part of Johor Strait.  The existing cell of the same name released on 17 <sup>th</sup> July 2017 has been superseded.

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## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION SINGAPORE ENC RELEASED ON 27<sup>TH</sup> DECEMBER 2018

<b>ENC Name</b>	:	SG54044A
<b>Location</b>	:	Serangoon Harbour
<b>Coverage</b>	:	Lat 01° 22·80' N      01° 24·70' N Long 103° 56·70' E      103° 59·60' E
<b>Compilation Scale</b>	:	1 : 12 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated bathymetry and topography details covering Serangoon Harbour.  The existing cell of the same name released on 17 <sup>th</sup> July 2017 has been superseded.

<b>ENC Name</b>	:	SG54044B
<b>Location</b>	:	Pelabuhan Johor (Johor Port)
<b>Coverage</b>	:	Lat 01° 25·20' N      01° 27·86' N Long 103° 51·60' E      103° 55·70' E
<b>Compilation Scale</b>	:	1 : 12 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated bathymetry and topography details covering Pelabuhan Johor (Johor Port)  The existing cell of the same name released on 17 <sup>th</sup> July 2017 has been superseded.

<b>ENC Name</b>	:	SG54044C
<b>Location</b>	:	Sembawang
<b>Coverage</b>	:	Lat 01° 27·50' N      01° 29·10' N Long 103° 48·90' E      103° 50·50' E
<b>Compilation Scale</b>	:	1 : 8 000
<b>Date Released</b>	:	27 <sup>th</sup> December 2018
<b>Description</b>	:	This new edition includes updated bathymetry and topography details covering Sembawang.  The existing cell of the same name released on 17 <sup>th</sup> July 2017 will be superseded.



## II NEW CHARTS AND PUBLICATIONS

### SINGAPORE TIDE TABLES YEAR 2019 PUBLISHED ON 15<sup>TH</sup> SEPTEMBER 2018

#### 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.



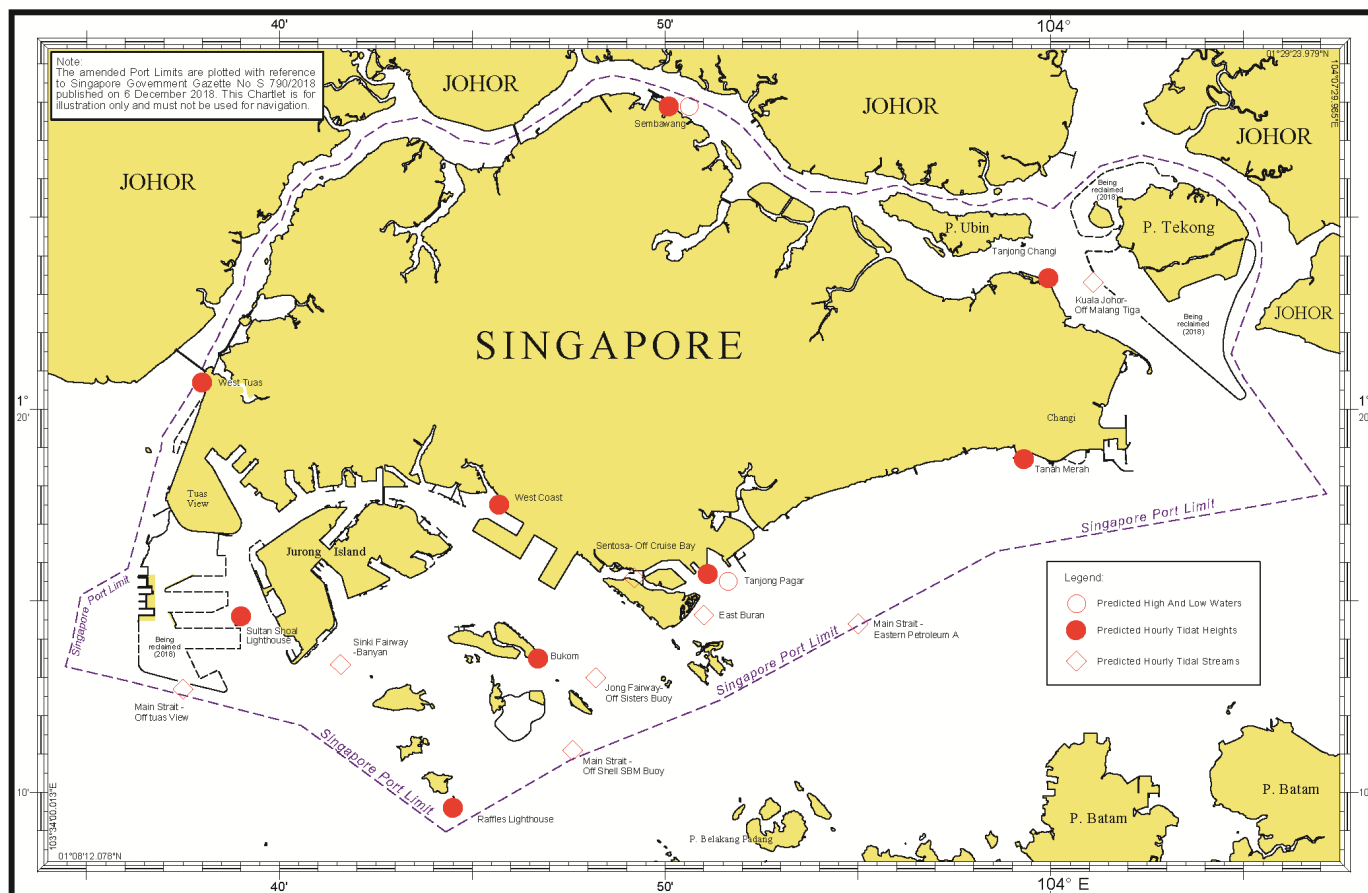
This publication consists of 5 segments.

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

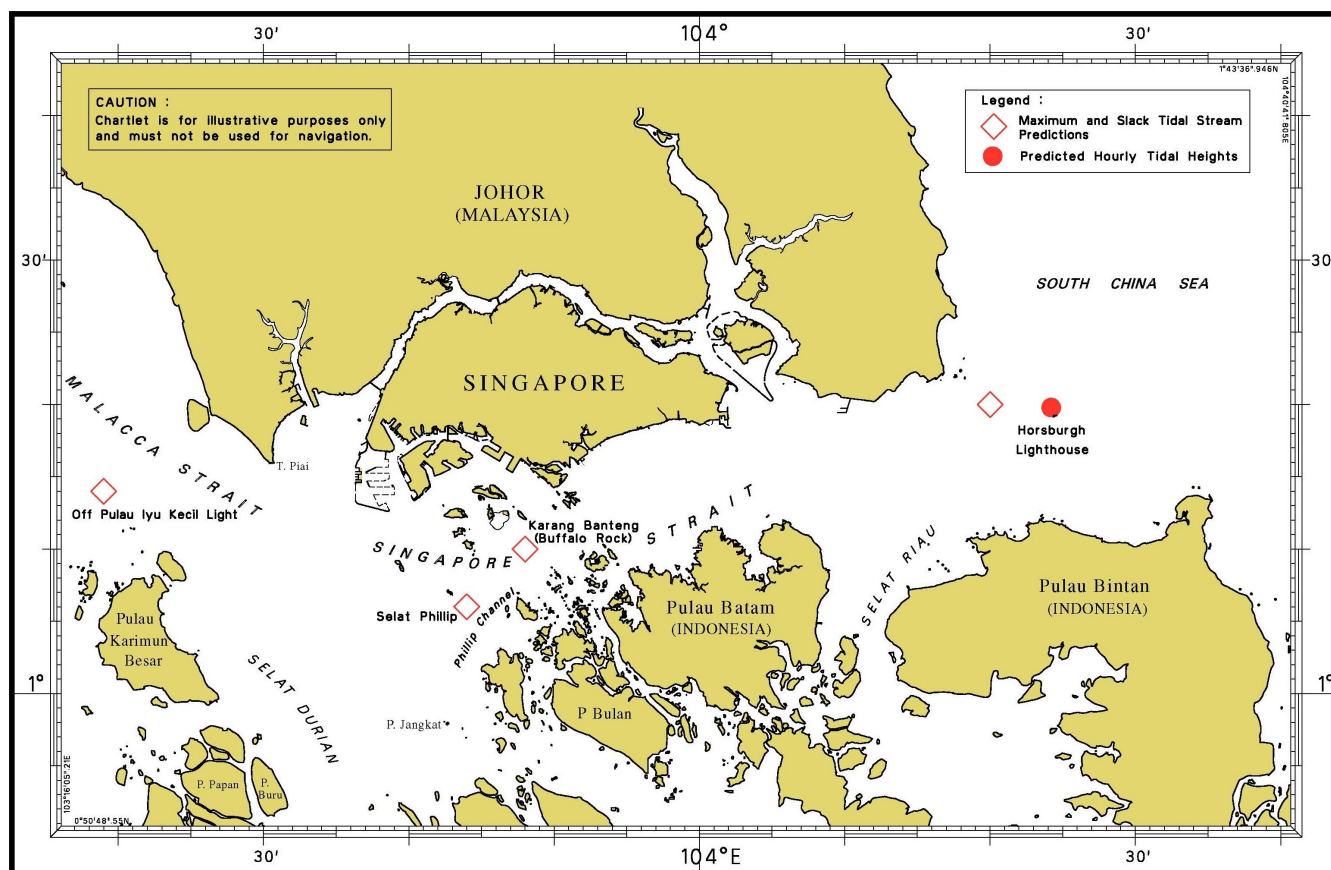
The locations of the above stations are shown in the chartlets below:

## II NEW CHARTS AND PUBLICATIONS

### Tidal Prediction Stations within Singapore Port Waters

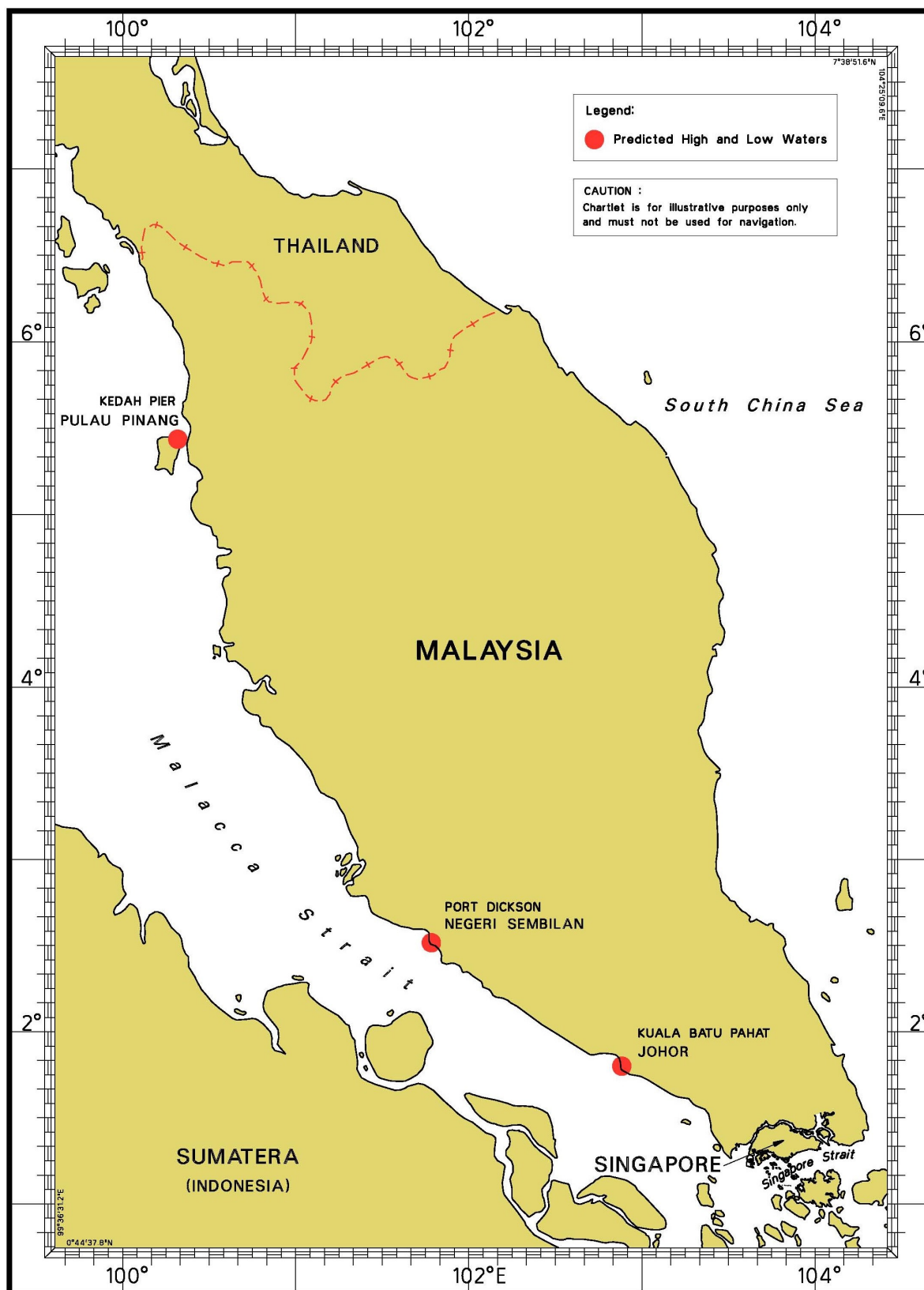


### Tidal Prediction Stations in Straits of Malacca and Singapore



## II NEW CHARTS AND PUBLICATIONS

### Tidal Prediction Stations In Malacca Strait



This publication can be purchased from any of the MPA appointed Chart Distributors.

Information on the MPA appointed Chart Distributors can be found from the following link:

<http://www.mpa.gov.sg/web/portal/home/media-centre/publications/singapore-tide-tables>

## II ERRATA

### New Editions of Dual Badged Chart

The following New Editions previously announced in Singaporean Notices to Mariners have not been published on 27<sup>th</sup> December 2018. A revised publication date will be announced in due course.

- 4038            Malaysia and Singapore, Johor Strait Western Part.  
                  (A) Town Reach  
                  (B) Malaysia, Pelabuhan Tanjung Pelepas  
                  (C) Tuas Mega Yard
- 4040            Singapore, Indonesia and Malaysia, Tuas View to Pulau Sakijang Bendera (S. John's Island).

### New Edition of Singapore ENC

The following New Edition previously announced in Singaporean Notices to Mariners has not been released on 27<sup>th</sup> December 2018. A revised release date will be announced in due course.

- SG5C4038      Johor Strait - Western Part

## II

### NOTICES TO MARINERS AND CHART CORRECTIONS

\*(NM 1/2019) NUMERICAL INDEX TO NOTICES TO MARINERS OF 2018 (1 TO 104)

MONTH	NOTICES TO MARINERS NO.
JANUARY 2018	1 to 8
FEBRUARY 2018	9 to 21
MARCH 2018	22 to 30
APRIL 2018	31 to 35
MAY 2018	36 to 42
JUNE 2018	43 to 46
JULY 2018	47 to 59
AUGUST 2018	60 to 66
SEPTEMBER 2018	67 to 78
OCTOBER 2018	79 to 86
NOVEMBER 2018	87 to 91
DECEMBER 2018	92 to 104






















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CHART NO.	PUBLISHED	YEAR	NOTICES TO MARINERS NO.
GSP1, SP1	3 Ed 15/1/18	2018	09-22-23-36-37-38-48-49-50-51-58-60-61-62-63-67-68-69-70-71-72-79-80-87-92-93-94-95-96
200	4 Ed 1/9/15	2018	4-10-11-43-64-88-97
201	6 Ed 15/9/17	2018	12-24-31-32
202	8 Ed 15/9/16	2018	3-21-33-67-68-81-82-96-98
500	8 Ed 15/9/17	2018	13-23-39-44-51-61-62-67-70-71-93-94-96
501	7 Ed 1/9/15	2018	3-13-14-23-44-51-61-62-63-67-70-71-72-93-94-95-96
502	7 Ed 1/9/15	2018	3-5-15-16-17-25-26-33-60-63-68-69-92
503	5 Ed 15/8/14	2018	5-21-33-68-71

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

## II

### NOTICES TO MARINERS AND CHART CORRECTIONS

<b>GSP1/SP1</b>	3 Ed 15/1/18 Last NM 96/2018	(RMN Notice no. 11/250/2018)		<b>NM 2/2019</b>
<b>Delete</b>	 <i>FI(2)10s</i>		1°23·84'N	104°05·64'E
		(Maritime and Port Authority of Singapore)		<b>NM 3/2019</b>
<b>Insert</b>	 <i>FI.Y.2s HD-TWC11</i>		1°19·86'N	103°37·36'E
	 <i>FI.Y.2s HD-TWC12</i>		1°19·28'N	103°37·00'E
	 <i>FI.Y.2s HD-TWC13</i>		1°19·07'N	103°36·97'E
	 <i>FI.Y.2s HD-TWC14</i>		1°19·82'N	103°37·42'E
<hr/>				
<b>200</b>	4 Ed 1/9/15 Last NM 97/2018	(RMN Notice no. 11/249/2018)		<b>NM 4/2019</b>
<b>Replace</b>	 <i>Wk</i> , with  <i>Wk</i>		2°18·50'N	101°51·16'E
<hr/>				
<b>201</b>	6 Ed 15/9/17 Last NM 32/2018	(RMN Notice no. 11/249/2018)		<b>NM 5/2019</b>
<b>Insert</b>	 <i>Wk</i>		1°34·25'N	103°02·00'E
	 <i>Wk</i>		1°23·65'N	103°12·29'E
	 <i>Wk</i>		1°22·19'N	103°10·98'E
	 <i>Wk</i>		1°23·55'N	103°16·10'E
	 <i>Wk</i>		1°20·25'N	103°18·31'E
	 <i>Wk</i>		1°20·00'N	103°18·31'E
	 <i>Wk</i>		1°19·98'N	103°19·18'E
<hr/>				
<b>202</b>	8 Ed 15/9/16 Last NM 98/2018	(RMN Notice no. 11/249/2018)		<b>NM 5/2019</b>
<b>Insert</b>	 <i>Wk</i>		1°23·65'N	103°12·29'E
	 <i>Wk</i>		1°22·19'N	103°10·98'E
	 <i>Wk</i>		1°23·55'N	103°16·10'E
	 <i>Wk</i>		1°20·25'N	103°18·31'E
	 <i>Wk</i>		1°20·00'N	103°18·31'E
	 <i>Wk</i>		1°19·98'N	103°19·18'E
		(Admiralty Notice No. 51/6011/18)		<b>NM 6/2019</b>
<b>Delete</b>	 <i>FI(2)G</i>		1°05·00'N	103°17·41'E

## II

### NOTICES TO MARINERS AND CHART CORRECTIONS

<b>500</b>	8 Ed 15/9/17 Last NM 96/2018	(RMN Notice no. 11/249/2018)	<b>NM 5/2019</b>	
<b>Insert</b>	 <b>Wk</b>		1°23·65'N	103°12·29'E
	 <b>Wk</b>		1°22·19'N	103°10·98'E
	 <b>Wk</b>		1°23·55'N	103°16·10'E
	 <b>Wk</b>		1°20·25'N	103°18·31'E
	 <b>Wk</b>		1°20·00'N	103°18·31'E
	 <b>Wk</b>		1°19·98'N	103°19·18'E
			(Admiralty Notice No. 51/6011/18)	
			<b>NM 6/2019</b>	
<b>Delete</b>	 <b>Fl(2)G.5s</b>		1°04·98'N	103°17·76'E
<hr/>				
<b>502</b>	7 Ed 1/9/15 Last NM 92/2018	(Maritime and Port Authority of Singapore)	<b>NM 7/2019</b>	
<b>Replace</b>	 <b>Wk, with</b>  <b>Wk</b>		1°17·90'N	103°56·56'E
<b>Replace</b>	 <b>Obstn, with</b>  <b>Obstn</b>		1°17·96'N	103°56·19'E

## II

## TEMPORARY AND PRELIMINARY NOTICES

(NM 8T/2019) : 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 9)

**Overall Survey : Period** : From 15<sup>th</sup> January to 5<sup>th</sup> August 2019, Daylight hours only

**Survey vessel** : SSE MAZU (YDB3013)

**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 reciprocal operation, even in eastward course or westward course in the TSS.

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

1.

	Coordinate of Survey area A-13	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-13</b>	A	2° 15' 24.703"	101° 37' 46.668"	15 <sup>th</sup> January 2019 and 16 <sup>th</sup> January 2019
	B	2° 15' 24.144"	101° 39' 34.539"	
	C	2° 14' 6.434"	101° 39' 33.915"	
	D	2° 14' 7.399"	101° 37' 46.041"	

	Coordinate of Survey area A-12	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-12</b>	A	2° 23' 6.700"	101° 36' 25.815"	16 <sup>th</sup> January 2019 and 17 <sup>th</sup> January 2019
	B	2° 21' 48.199"	101° 38' 8.671"	
	C	2° 20' 43.103"	101° 38' 7.203"	
	D	2° 20' 42.948"	101° 37' 4.091"	
	E	2° 21' 54.592"	101° 37' 4.732"	

	Coordinate of Survey area A-5	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-5</b>	A	2° 48' 56.658"	100° 59' 27.719"	18 <sup>th</sup> January 2019 to 4 <sup>th</sup> February 2019
	B	2° 46' 34.608"	101° 3' 53.079"	
	C	2° 44' 35.404"	101° 4' 19.755"	
	D	2° 40' 17.599"	101° 11' 45.972"	
	E	2° 39' 45.047"	101° 11' 35.935"	
	F	2° 46' 41.070"	100° 58' 15.146"	



## II

## TEMPORARY AND PRELIMINARY NOTICES

	Coordinate of Survey area A-3	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-3</b>	A	3° 0' 15.763"	100° 47' 8.596"	4 <sup>th</sup> February 2019 to 18 <sup>th</sup> April 2019
	B	2° 53' 19.990"	100° 55' 19.475"	
	C	2° 48' 56.659"	100° 59' 27.723"	
	D	2° 51' 30.733"	100° 55' 19.612"	
	E	2° 48' 57.163"	100° 53' 39.576"	
	F	2° 54' 37.481"	100° 43' 2.167"	

	Coordinate of Survey area A-2	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-2</b>	A	3° 1' 48.565"	100° 48' 15.665"	20 <sup>th</sup> April 2019 to 17 <sup>th</sup> May 2019
	B	2° 46' 19.753"	101° 6' 24.183"	
	C	2° 45' 56.294"	101° 6' 12.193"	
	D	2° 49' 20.380"	100° 59' 37.177"	
	E	2° 53' 42.607"	100° 55' 40.974"	
	F	3° 0' 35.842"	100° 47' 22.861"	

**Survey areas :** The survey in the Singapore Strait will be conducted in stages according to the survey planned period listed below at the Traffic Separation Scheme bounded by the following coordinates:

2.

	Coordinate of Survey area A-27	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-27</b>	A	1° 15' 21.977"	103° 20' 55.924"	21 <sup>st</sup> May 2019 to 23 <sup>rd</sup> May 2019
	B	1° 14' 6.820"	103° 22' 17.629"	
	C	1° 14' 41.482"	103° 19' 12.595"	
	D	1° 16' 2.640"	103° 17' 41.317"	

	Coordinate of Survey area A-29	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-29</b>	A	1° 12' 29.803"	103° 22' 22.759"	24 <sup>th</sup> May 2019
	B	1° 11' 38.188"	103° 23' 29.053"	
	C	1° 11' 18.899"	103° 23' 9.568"	
	D	1° 11' 35.582"	103° 21' 41.710"	
	E	1° 12' 9.878"	103° 22' 3.160"	

	Coordinate of Survey area A-34	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-34</b>	A	1° 7' 3.181"	103° 32' 51.259"	24 <sup>th</sup> May 2019 to 31 <sup>st</sup> May 2019
	B	1° 3' 35.744"	103° 38' 50.860"	
	C	1° 2' 24.672"	103° 38' 10.153"	
	D	1° 5' 56.008"	103° 32' 11.637"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

	Coordinate of Survey area A-35	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-35</b>	A	1° 3' 35.744"	103° 38' 50.860"	2 <sup>nd</sup> June 2019 to 11 <sup>th</sup> June 2019
	B	1° 5' 53.887"	103° 43' 16.626"	
	C	1° 7' 3.596"	103° 44' 9.302"	
	D	1° 6' 28.575"	103° 44' 55.104"	
	E	1° 4' 59.898"	103° 43' 33.029"	
	F	1° 1' 35.916"	103° 39' 32.842"	
	G	1° 2' 24.672"	103° 38' 10.153"	

	Coordinate of Survey area A-38	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-38</b>	A	1° 8' 25.132"	103° 45' 22.408"	12 <sup>th</sup> June 2019 to 15 <sup>th</sup> June 2019
	B	1° 10' 5.340"	103° 47' 56.770"	
	C	1° 9' 1.287"	103° 47' 56.380"	
	D	1° 7' 49.553"	103° 46' 10.201"	
	E	1° 6' 47.382"	103° 45' 13.698"	

	Coordinate of Survey area A-39	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-39</b>	A	1° 10' 5.340"	103° 47' 56.770"	15 <sup>th</sup> June 2019
	B	1° 10' 40.625"	103° 49' 13.714"	
	C	1° 10' 5.340"	103° 49' 28.762"	

	Coordinate of Survey area A-40	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-40</b>	A	1° 11' 35.790"	103° 51' 17.594"	16 <sup>th</sup> June 2019
	B	1° 12' 8.695"	103° 52' 14.694"	
	C	1° 12' 8.695"	103° 52' 17.598"	
	D	1° 11' 59.180"	103° 52' 20.690"	
	E	1° 11' 15.750"	103° 52' 20.690"	
	F	1° 10' 54.174"	103° 51' 34.046"	

	Coordinate of Survey area A-46	Latitude (N)	Longitude (E)	Planned Survey Period
<b>A-46</b>	A	1° 14' 16.961"	103° 57' 24.364"	16 <sup>th</sup> June 2019
	B	1° 14' 16.961"	103° 57' 36.112"	
	C	1° 14' 6.447"	103° 57' 36.112"	
	D	1° 14' 6.447"	103° 57' 24.364"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

	Coordinate of Survey area A-41	Latitude (N)	Longitude (E)	Planned Survey Period
A-41	A	1° 14' 29.028"	103° 58' 17.622"	17 <sup>th</sup> June 2019 and 18 <sup>th</sup> June 2019
	B	1° 15' 21.289"	104° 2' 2.153"	
	C	1° 14' 56.126"	104° 2' 7.960"	
	D	1° 14' 5.800"	103° 58' 25.365"	

	Coordinate of Survey area A-47	Latitude (N)	Longitude (E)	Planned Survey Period
A-47	A	1° 15' 54.227"	104° 3' 1.591"	18 <sup>th</sup> June 2019
	B	1° 15' 54.227"	104° 3' 11.394"	
	C	1° 15' 45.918"	104° 3' 11.394"	
	D	1° 15' 45.918"	104° 3' 1.591"	

	Coordinate of Survey area A-28	Latitude (N)	Longitude (E)	Planned Survey Period
A-28	A	1° 15' 4.600"	103° 22' 19.073"	20 <sup>th</sup> June 2019 and 21 <sup>st</sup> June 2019
	B	1° 14' 59.171"	103° 22' 46.061"	
	C	1° 12' 46.265"	103° 26' 53.392"	
	D	1° 13' 47.592"	103° 23' 53.704"	
	E	1° 15' 4.600"	103° 22' 19.073"	

	Coordinate of Survey area A-32	Latitude (N)	Longitude (E)	Planned Survey Period
A-32	A	1° 17' 1.179"	103° 23' 24.541"	21 <sup>st</sup> June 2019 to 23 <sup>rd</sup> June 2019
	B	1° 15' 11.820"	103° 25' 11.955"	
	C	1° 14' 10.853"	103° 24' 15.310"	
	D	1° 14' 58.851"	103° 22' 56.305"	

	Coordinate of Survey area A-30	Latitude (N)	Longitude (E)	Planned Survey Period
A-30	A	1° 15' 11.820"	103° 25' 11.955"	24 <sup>th</sup> June 2019 to 8 <sup>th</sup> July 2019
	B	1° 12' 59.324"	103° 34' 40.629"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 41.399"	103° 33' 57.222"	
	E	1° 12' 46.265"	103° 26' 53.392"	
	F	1° 14' 10.853"	103° 24' 15.310"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

A-31	Coordinate of Survey area A-31	Latitude (N)	Longitude (E)	Planned Survey Period
	A	1° 12' 46.265"	103° 26' 53.392"	8 <sup>th</sup> July 2019 to 21 <sup>st</sup> July 2019
	B	1° 11' 41.399"	103° 33' 57.222"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 50.964"	103° 34' 36.484"	
	E	1° 11' 42.653"	103° 35' 13.309"	
	F	1° 11' 28.113"	103° 37' 51.344"	
	G	1° 10' 20.793"	103° 39' 44.708"	
	H	1° 10' 20.917"	103° 34' 47.846"	
	I	1° 10' 18.027"	103° 29' 34.044"	
	J	1° 11' 40.026"	103° 28' 5.415"	
	K	1° 12' 11.536"	103° 28' 23.913"	

A-42	Coordinate of Survey area A-42	Latitude (N)	Longitude (E)	Planned Survey Period
	A	1° 17' 22.057"	104° 7' 39.615"	21 <sup>st</sup> July 2019 to 5 <sup>th</sup> August 2019
	B	1° 19' 23.893"	104° 19' 23.404"	
	C	1° 20' 2.219"	104° 20' 7.118"	
	D	1° 19' 2.566"	104° 20' 46.068"	
	E	1° 18' 0.067"	104° 19' 36.062"	
	F	1° 17' 19.110"	104° 14' 53.670"	
	G	1° 17' 6.318"	104° 14' 54.054"	
	H	1° 16' 3.468"	104° 8' 35.219"	

A-43	Coordinate of Survey area A-43	Latitude (N)	Longitude (E)	Planned Survey Period
	A	1° 17' 36.038"	104° 18' 24.902"	5 <sup>th</sup> August 2019
	B	1° 17' 36.726"	104° 19' 39.991"	
	C	1° 17' 30.409"	104° 19' 40.939"	
	D	1° 17' 20.851"	104° 18' 25.058"	

3. Charts affected: Singaporean GSP1/SP1, 200, 201, 202, 500, 501, Dual-badged 4030, 4031, 4036, 4038, 4039 and 4040.
4. ENC's affected: SG5C4030, SG5C4031, SG5C4036, SG5C4039, MS4IK2RL, MS4BR2JS, MS3IK2EB and MS3RSFC.
5. Mariners are advised to navigate with caution and give a wide berth.
6. Navigational warning broadcast will be promulgated by the relevant VTS Authorities by VHF and NAVTEX. 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")).

## II

## TEMPORARY AND PRELIMINARY NOTICES

\*(NM 9T/2019) : **TEMASEK FAIRWAY TEMPORARY RE-ALIGNMENT - DRILLING AND BLASTING WORKS**

**Remarks** : Temasek Fairway will be temporary re-aligned due to Drilling and Blasting works within fairway limits. (refer to Maritime and Port Authority of Singapore, Port Marine Notice 118/2018)

**Working Period** : From 3 Dec 2018 to 2 June 2019  
Blasting works will be conducted from Mondays to Saturdays. And will only be conducted on Sundays and Public Holidays with prior approval by the relevant authorities.

Blasting works will be conducted within the specific blast window periods as stated below:

1. Blast window 1 - 0800hrs to 1000hrs
2. Blast window 1 - 1200hrs to 1400hrs
3. Blast window 1 - 1700hrs to 1830hrs

Drilling works will be conducted 24 hours daily. Including Sundays and Public Holidays.

1. Working area will be marked by the following buoys:

Buoy Name	Type	Light Characteristic	Latitude (N)	Longitude (E)
F2-DDJV-W2	West Cardinal	VQ(9)10s	1° 15'140'	103° 39'079'
F2-DDJV-E2	East Cardinal	Q(3)15s	1° 15'223'	103° 39'279'
F2-DDJV-E1	East Cardinal	Q(3)15s	1° 14'208'	103° 39'688'
F2-DDJV-W1	West Cardinal	VQ(9)10s	1° 14'317'	103° 39'411'

2. The re-aligned boundaries of Temasek Fairway are bounded by a line joining the following geographical positions:

(WGS84 Datum)

	Latitude (N)	Longitude (E)		
Temasek Fairway line joining:	1° 16'121'	103° 39'216'		
	1° 15'955'	103° 39'216'	Jurong Empat Buoy	(New position)
	1° 14'310'	103° 39'938'	Jurong Satu Buoy	(New position)
to:	1° 13'702'	103° 40'138'		
Temasek Fairway line joining:	1° 12'967'	103° 39'478'		
	1° 13'707'	103° 39'366'	Temasek Buoy	(New position)
	1° 14'179'	103° 39'176'	F2-DDJV-4 Buoy	(New position)
	1° 15'038'	103° 38'830'	F2-DDJV-3A Buoy	(New position)
to:	1° 15'440'	103° 38'709'	F2-DDJV-3 Buoy	(New position)

3. The following buoy has been removed:

Buoy Name	Type	Light Characteristic	Latitude (N)	Longitude (E)
F2-DDJV-3B	Red Pillar with can topmark	Fl(2)R.7s	1° 14'633'	103° 39'342'

## II

**TEMPORARY AND PRELIMINARY NOTICES**

4. Mariners are advised to refer to the latest Port Marine Notices available at the MPA website for the latest information and navigate with caution.
5. Navigational warning broadcast will be promulgated by Singapore VTS on VHF Channel 22 and NAVTEX. Mariners are to maintain a listening watch.

**Charts affected** : Singaporean GSP1/SP1, 202, 500, 501, Dual-badged charts 4030, 4031, 4033, 4038 and 4040

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*Note:* Former notice 99T/2018 is cancelled.

Source: Maritime and Port Authority of Singapore



## II

## TEMPORARY AND PRELIMINARY NOTICES

(NM 10P/2019)

SEA-ME-WE 3 (SMW3) CABLE NETWORK  
SUBMARINE CABLE DIVERSION OFF TUAS

- Description** : Submarine cable diversion for the SEA-ME-WE 3 cable will be carried out along the Singapore Strait Routeing System off Sultan Shoal Lighthouse and in the Singapore Strait (Main Strait). (STRAITREP Sector 7).
- Working Vessel and Call Sign** : **Asean Protector (YCKL2)**
- Working Period** : From 15th November 2018 to 11th February 2019, 0700hrs to 1800hrs daily.

1. The co-ordinates of the working routes are tabulated below:

**SMW3 S2.7 Route**

No.	Co-ordinates (WGS84)	
	Latitude (N)	Longitude (E)
1	1° 12'581'	103° 36'772'
2	1° 12'538'	103° 36'742'
3	1° 11'979'	103° 35'934'
4	1° 11'979'	103° 35'212'
5	1° 11'925'	103° 35'119'
6	1° 11'831'	103° 35'065'
7	1° 11'088'	103° 34'881'
8	1° 06'811'	103° 32'049'
9	1° 01'514'	103° 32'845'
10	1° 01'165'	103° 32'898'

**SMW3 S3.1 Route**

No.	Co-ordinates (WGS84)	
	Latitude (N)	Longitude (E)
1	1° 12'581'	103° 36'772'
2	1° 12'538'	103° 36'742'
3	1° 11'979'	103° 35'934'
4	1° 11'979'	103° 35'212'
5	1° 11'925'	103° 35'119'
6	1° 11'831'	103° 35'065'
7	1° 11'088'	103° 34'881'
8	1° 06'811'	103° 32'049'
9	1° 01'514'	103° 32'845'
9A	1° 01'201'	103° 32'684'



## II

### TEMPORARY AND PRELIMINARY NOTICES

#### **SMW3 S4.1 Route**

No.	Co-ordinates (WGS84)	
	Latitude (N)	Longitude (E)
1	1° 12·581'	103° 36·772'
2	1° 12·538'	103° 36·742'
3	1° 11·979'	103° 35·934'
4	1° 11·979'	103° 35·212'
5	1° 11·925'	103° 35·119'
6	1° 11·831'	103° 35·065'
7	1° 11·088'	103° 34·881'
8	1° 06·811'	103° 32·049'
8A	1° 05·884'	103° 31·436'
8B	1° 05·842'	103° 31·282'
8C	1° 07·082'	103° 28·834'
7	1° 10·869'	103° 35·648'
8	1° 10·814'	103° 35·547'
9	1° 10·770'	103° 35·399'
10	1° 10·766'	103° 35·301'
11	1° 10·885'	103° 34·189'
12	1° 11·059'	103° 32·913'

2. The submarine cable diversion will entail rock profile survey, rock trenching and cable laying operations.
3. Charts affected: Singaporean GSP1/SP1, 202, 500, 501, Dual-Badged BA4030, BA4038, BA4039 and BA4040.
4. Mariners are advised to navigate with caution and give a wide berth.
5. Navigational warning broadcast will be promulgated by Singapore VTIS on VHF CH 09, CH 73 and NAVTEX. Mariners are to maintain a listening watch.

Source : ASEAN Cables Pte Ltd

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*Note:* Former notice 89P/2018 is cancelled.

### III NAVIGATIONAL INFORMATION

\*(NM 11/2019)

**SINGAPORE PORT MARINE NOTICES/CIRCULARS**

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 this link:

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

<b>PMN No.</b>	<b>Subject</b>
73/2018	Installation and maintenance of silt barricades off Tuas Western Coast
75/2018	Dredging works near Denman Shoal
78/2018	Works off West of Jurong island
79/2018	Reclamation work off Changi East
81/2018	Works at Raffles Pier (West), off Keppel Shipyard
82/2018	Works at Tuas Terminal Phase 1
84/2018	Shore protection works at Changi Creek
85/2018	Removal of jetty and installation of mono piles at Pulau Sebarok
86/2018	Construction of quay wall off Tuas Mega Yard
90/2018	Construction of jetties off Jurong Island Causeway
91/2018	Construction of shore ramp and replacement of submarine cables at the entrance of Sungai Sembawang
93/2018	Anchoring of vessels off Tuas View Extension
94/2018	Reclamation work at Pulau Tekong
95/2018	Mooring and unmooring of vessels off Pulau Tekong
99/2018	Works at Selat Chermin
100/2018	Reclamation work at Tuas View, off Temasek Fairway
101/2018	Mooring and unmooring of vessels at Tuas Finger One project area
102/2018	Marine soil investigation works near Pulau Sudong
103/2018	Marine soil investigation works near Coney Island
104/2018	Replacement of fenders at Punggol Jetty
105/2018	Repair works at the coast of Sentosa Island
106/2018	Dredging works off Sultan Shoal Lighthouse
108/2018	Works off south of Marina East
109/2018	Reclamation works at Ayer Merbau Basin
112/2018	Works at Tuas Terminal Phase 2
113/2018	Supply and delivery of sand at Tuas View Extension
114/2018	Installation of floating sea barrier off Sembawang Wharves
116/2018	Cable laying works in the East Johor Strait
117/2018	Repair of damaged revetments off PA-Water Venture Sembawang
118/2018	Drilling and blasting works in the Temasek Fairway

### III NAVIGATIONAL INFORMATION

<b>PMN No.</b>	<b>Subject</b>
119/2018	Foreshore development with infilling works off Harbour Front, Cruise Bay
120/2018	Anchoring of vessels off Tuas View Extension
122/2018	Construction of outfall structure and installation of silt curtains off Changi East Staging Ground
125/2018	Dredging work off Eastern Anchorage
128/2018	Transport of sand material to stockpile area and soil investigation works at Tuas View Extension
129/2018	Installation of floating sea barrier off Sentosa
130/2018	Replacement of floating sea barrier West of Jurong Island Causeway

<b>PMC No.</b>	<b>Subject</b>
7/2018	Maritime and Port Authority of Singapore revokes Pegasus Maritime (s) pte ltd's Bunker Craft Operator License
8/2018	Johor Bahru Port Limits
9/2018	New Port Limits - Maritime and Port Authority of Singapore (Port Limits) (Amendment) Notification 2018
10/2018	Amendment of reporting procedures for vessels maneuvering in Port
11/2018	Prohibited anchoring in Western Singapore Port Limits

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\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

\*(NM 12/2019) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2018/2019”

#### CHARACTERISTICS OF AIDS TO NAVIGATION

1. Page 132

##### TUAS VIEW EXTENSION

**Delete** the following:

Name of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
F2-DDJV-3B Buoy	1°14.633'N 103°39.342'E	Red pillar with can topmark	Fl(2)R.7s	DIAP-DAELIM Joint Venture

2. **Amend** the following:

Name of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
F2-DDJV-3 Buoy	1°15.440'N 103°38.709'E	Red pillar with can topmark	Fl.R.4s	DIAP-DAELIM Joint Venture
F2-DDJV-3A Buoy	1°15.038'N 103°38.830'E	Red pillar with can topmark	Fl(2)R.5s	DIAP-DAELIM Joint Venture
F2-DDJV-4 Buoy	1°14.179'N 103°39.176'E	Red pillar with can topmark	Fl(3)R.15s	DIAP-DAELIM Joint Venture

3. **Insert** the following:

Name of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
F2-DDJV-W2 Buoy	1°15.140'N 103°39.079'E	West Cardinal	VQ(9)10s	DIAP-DAELIM Joint Venture

### III AMENDMENTS TO PUBLICATIONS

Name of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
F2-DDJV-E2 Buoy	1°15·223'N 103°39·279'E	East Cardinal	Q(3)15s	DIAP-DAELIM Joint Venture
F2-DDJV-E1 Buoy	1°14·208'N 103°39·688'E	East Cardinal	Q(3)15s	DIAP-DAELIM Joint Venture
F2-DDJV-W1 Buoy	1°14·317'N 103°39·411'E	West Cardinal	VQ(9)10s	DIAP-DAELIM Joint Venture

4. Page 133

#### TUAS VIEW EXTENSION (Cont/)

Insert the following:

Name of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
HD TWC 11	1°19·857'N 103°37·355'E	Yellow pillar with 'X' topmark	Fl.Y.2s (sync)	Hyundai
HD TWC 12	1°19·284'N 103°36·995'E	Yellow pillar with 'X' topmark	Fl.Y.2s (sync)	Hyundai
HD TWC 13	1°19·065'N 103°36·965'E	Yellow pillar with 'X' topmark	Fl.Y.2s (sync)	Hyundai
HD TWC 14	1°19·817'N 103°37·418'E	Yellow pillar with 'X' topmark	Fl.Y.2s (sync)	Hyundai

<b>Name of Beacon / Buoy</b>	<b>Position Lat. N Long. E Deg Min</b>	<b>Structure, Colour &amp; Shape</b>	<b>Light Characteristic</b>	<b>Owner</b>
Jurong Satu Buoy	<b>1°14.310'N 103°39.938'E</b>	Green conical	Fl.G.2s	MPA
Jurong Empat Buoy	<b>1°15.955'N 103°39.216'E</b>	Double black cones topmark point to point on yellow black yellow pillar	Q(9)W.15s	M/S Diap - Shap JV
Temasek Buoy	<b>1°13.707'N 103°39.366'E</b>	Red can	Fl.R.2s	MPA

Name of Beacon / Buoy	Position	Structure, Colour & Shape	Light Characteristic	Owner
	Lat. N Long. E Deg Min			
SOPS-1 Buoy	1°23'188"N 103°58'064"E	Yellow pillar with 'X' topmark	Fl.Y.4s	<b>Toll Offshore Petroleum Services PTE LTD</b>

### III AMENDMENTS TO PUBLICATIONS

#### \*(NM 13/2019) UPDATING OF PUBLICATION “SINGAPORE TIDE TABLE 2019”

1. Page 275

#### **DISTRIBUTORS FOR THE MARITIME AND PORT AUTHORITY OF SINGAPORE PUBLICATIONS**

**Amend** the following:

Distributor	:	Cornes Singapore Pte Ltd
Address	:	10 Anson Road #17-04 International Plaza, Singapore 079903
Telephone	:	(65) 6223 8320
Fax	:	(65) 6223 8321
Email	:	<b>sales9850@cornes.jp</b>
Internet Web Site	:	<a href="http://www.cornes-charts.com">http://www.cornes-charts.com</a>

\*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.

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.

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.

TT363

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 ONLY

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.

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 & PREDICTABLE, 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.

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.

TT430 (AMENDED ON 12 DEC 18 0853Z)

THE FOLLOWING ATONS AIS ARE TEMPORARILY REMOVED FOR UPGRADING.  
ATONS WITH AIS TEMPORARILY REMOVED FOR UPGRADING:

1. ANGLER BUOY
2. RASU BUOY
3. RAFFLES LIGHTHOUSE
4. SELEGI BEACON

MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION

TT440

A NUMBER OF UNKNOWN VESSELS ARE OBSERVED ANCHORED IN THE TSS/PRECAUTIONARY AREA SOUTH OF TG. RAMUNIA AT APPROXIMATE POSITION 01°17.91'N, 104°14.92'E. ALL VESSELS ARE ADVISED TO KEEP A GOOD LOOK OUT AND PROCEED WITH CAUTION WHEN PASSING THIS AREA IN THE SINGAPORE STRAIT.

TT465

DGPS SERVICE AT HORSBURGH LIGHTHOUSE (REFERENCE STATION 130/131) IN POSITION 01° 19.8'N 104° 24.34'E IS UNAVAILABLE. MARINERS ARE ADVISED TO USE ALTERNATE REFERENCE STATION AT RAFFLES LIGHTHOUSE (REF STN 132/133).

TT506

THE MARITIME AND PORT AUTHORITY OF SINGAPORE HAS REVISED ITS PORT LIMITS WITH EFFECT FROM 6 DEC 2018. MARINERS ARE ADVISED TO REFER PORT MARINE CIRCULAR NO 9 OF 2018 ON MPA'S WEBSITE FOR DETAILS.

TT508 (AMENDED 240312 UTC)

EASTERN BUOY FL R(2) 5s IN CHARTED POSITION BUT DAMAGED. ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION.



**IV**  
**REPRINT OF MARITIME SAFETY INFORMATION**

TT509

CABLE VESSEL 'ASEAN PROTECTOR' IS CARRYING OUT CABLE LAYING WORKS IN THE TSS AND PRECAUTIONARY AREA OF SECTION 7(VTIS WEST) OF THE SINGAPORE STRAIT FROM 23 DECEMBER 2018 TO 09 MARCH 2019. VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

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.

SR123

SEA ROBBERIES ARE REPORTED IN THE SINGAPORE STRAIT, ALL VESSELS ARE TO REPORT ANY SUSPICIOUS CRAFT TO VTIS SINGAPORE.

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ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 30<sup>th</sup> Dec 2018)

**V**  
**EXTRACT OF ADMIRALTY NOTICES TO MARINERS**  
**FOR DUAL-BADGED CHARTS**

NIL

## **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](mailto: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 : .....

.....

.....

Attachment : .....

### **Equipment Used** :

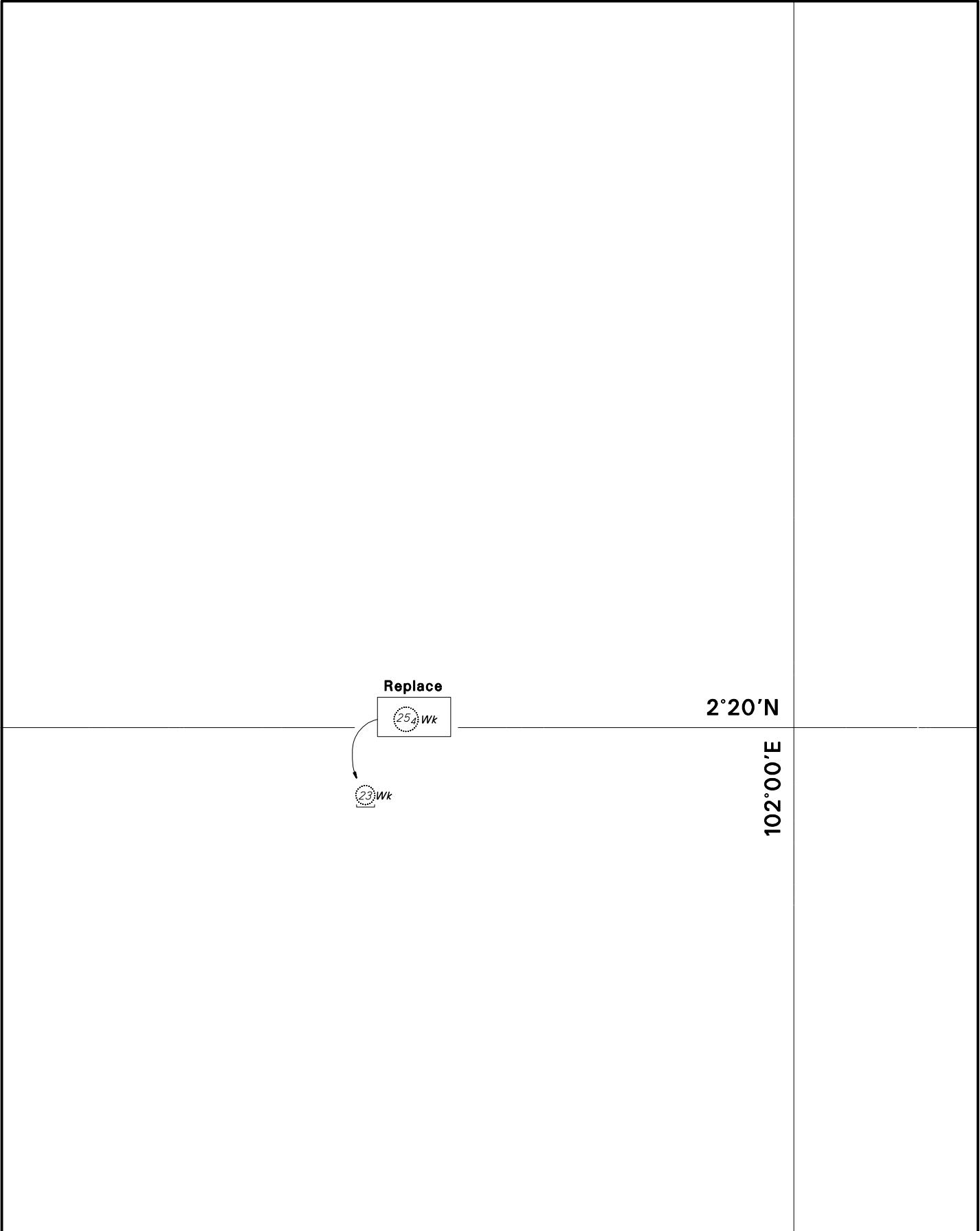
Type of Position Fixing : ..... GPS / DGPS ..... Others : .....

Type of Echo Sounder : .....

Name and Signature : .....

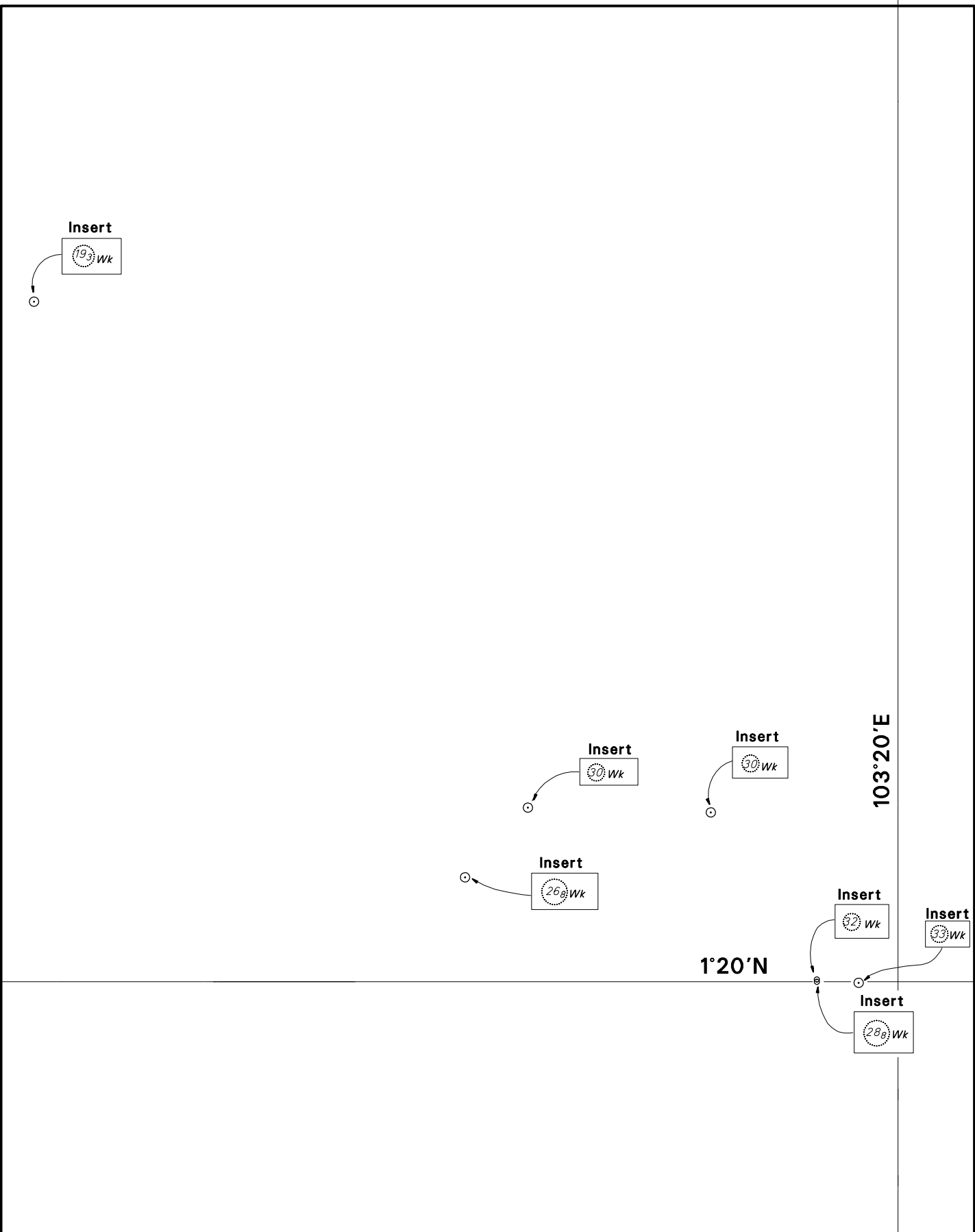
Ship's/Company's Stamp : .....





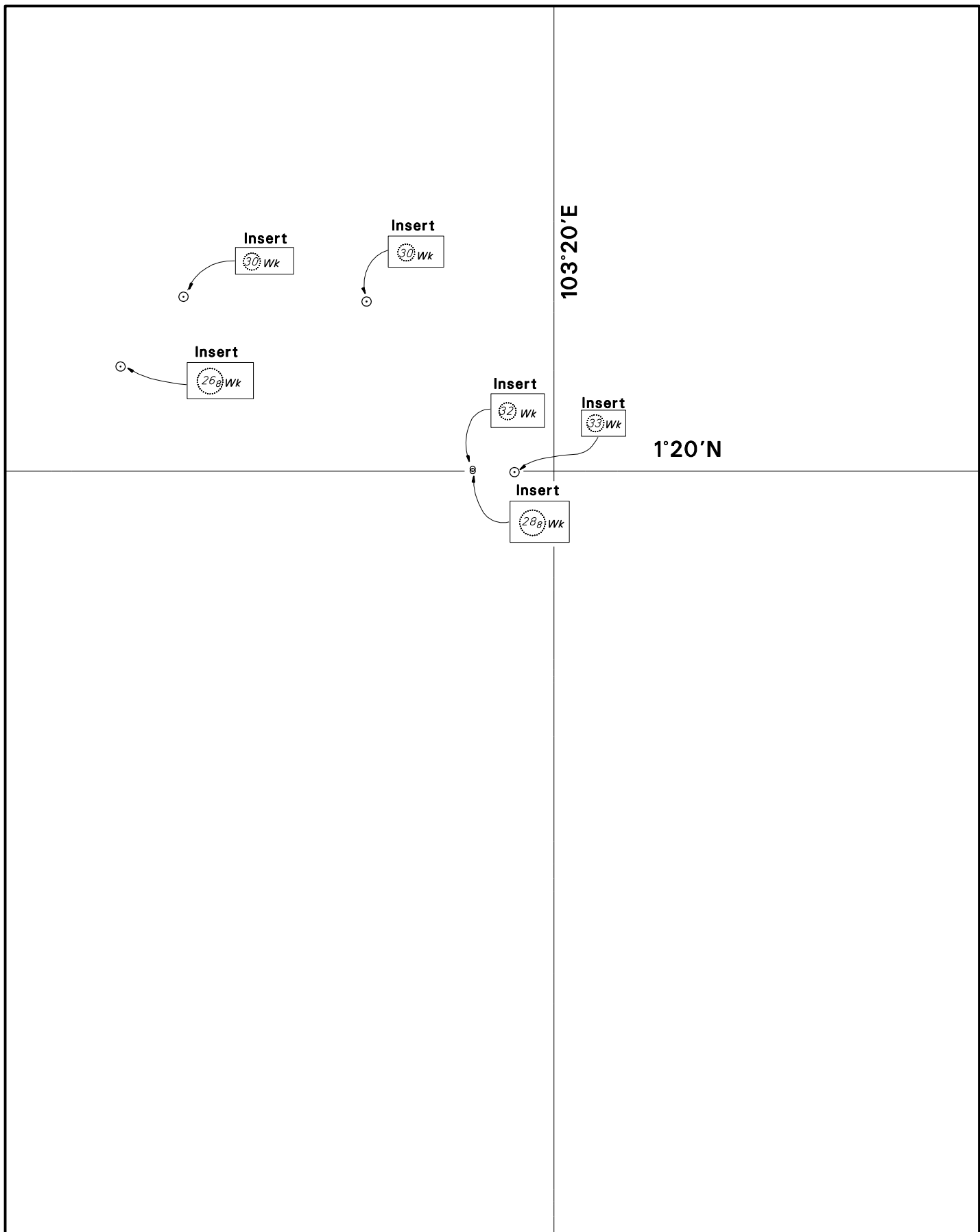
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
						X
4	1/2019	97/2018	200			

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



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
5	1/2019	32/2018	201			X

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



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
5	1/2019	98/2018	202	X		

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



Delete

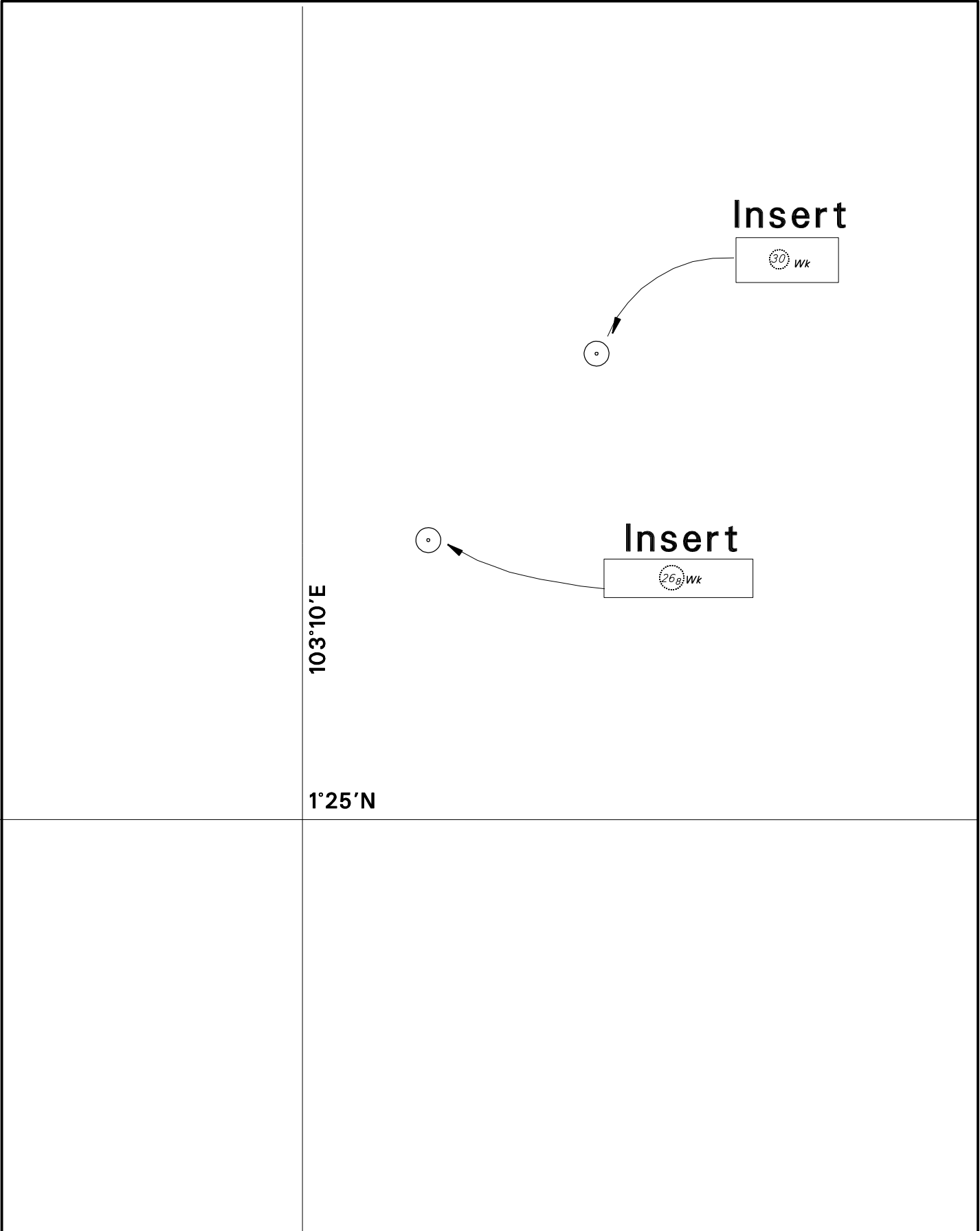


103°20'E

1°00'N

CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
6	1/2019	5/2019	202	X		

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



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
5 (sheet 1)	1/2019	96/2018	500	X		

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

Insert

30 Wk



103°20'E

Insert

32 Wk



Insert

33 Wk

1°25'N

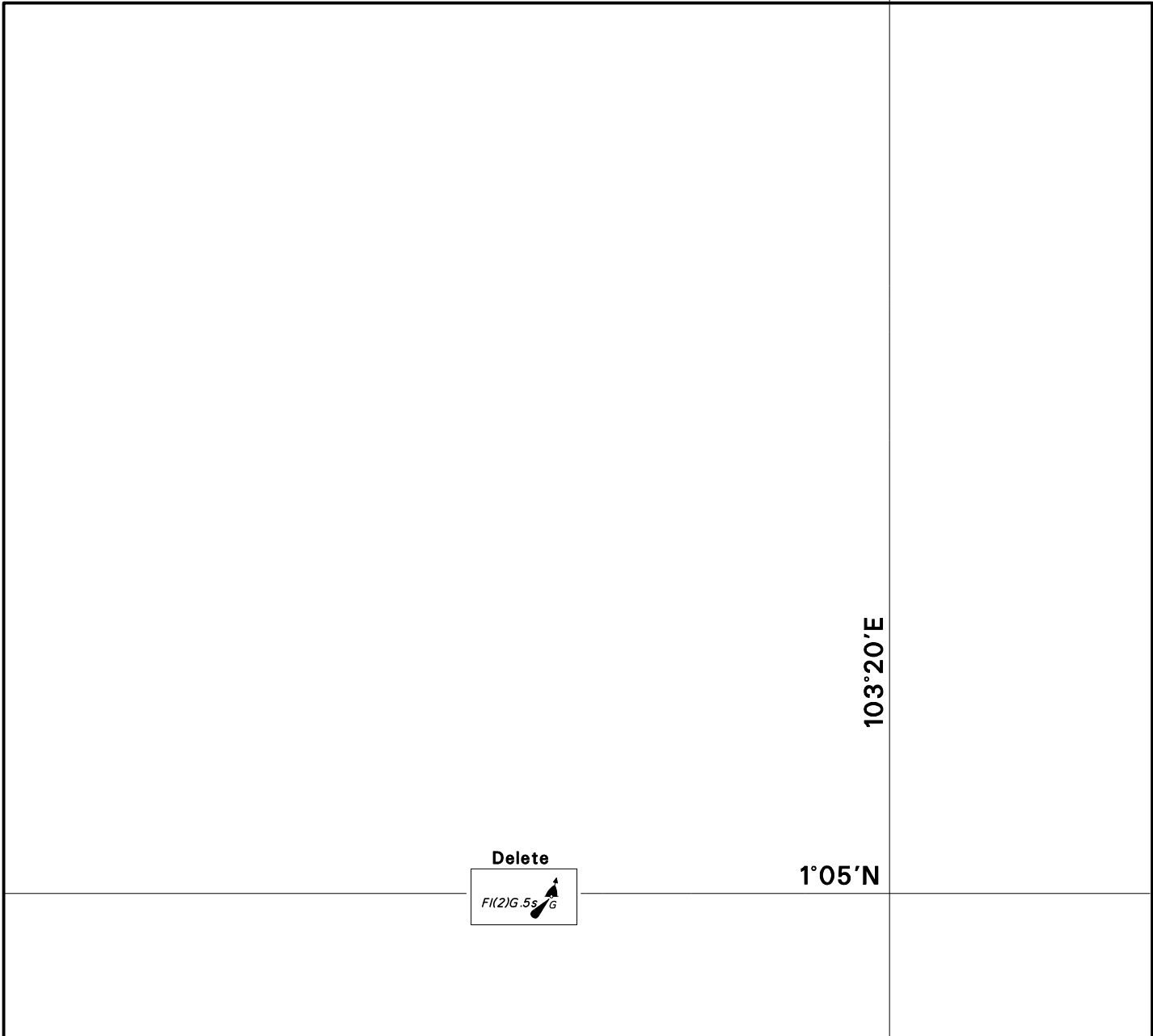
Insert

28g Wk

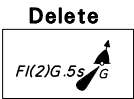


CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
5 (sheet 2)	1/2019	96/2018	500	X		

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



103°20'E



1°05'N



103° 15'

Longitude 103° 20' East from Greenwich



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
6	1/2019	5/2019	500	X		

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

				<div><div><div>Replace</div><div>6<sub>2</sub>Obstn</div><div>Obstn 5<sub>3</sub></div></div><div><div>Replace</div><div>18<sub>1</sub>Wk</div><div>15<sub>9</sub>Wk</div></div></div>		
				103°55'E		
				1°15'N		
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
7	1/2019	92/2018	502	X		

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