



MALAYSIAN NOTICES TO MARINERS

Monthly Edition 09 of 2016
30TH SEPTEMBER 2016

CONTENTS

- I - Explanatory Notes / Index of Charts Affected.
- II - Corrections to Charts.
- III - Navigational Warnings.

Mariners are requested to inform The Hydrographer, National Hydrographic Centre, Bandar Armada Putra, Pulau Indah, 42009 PORT KLANG, Selangor Darul Ehsan, Malaysia. (Tel: +603 3169 4400), (Fax: +603 3101 3111), E-mail: ntm@hydro.gov.my immediately upon the discovery of new dangers, changes or defects in aids to navigation and shortcoming in Malaysian charts or publications.

DATO' PAHLAWAN ZAAIM BIN HASAN
Rear Admiral
The Hydrographer

SECTION I

EXPLANATORY NOTES

Charts

The notices in Section II give instructions for the correction of Malaysian Chart (MAL) while notices in Section III give information on navigational warnings. Geographical positions refer to the largest scale chart unless otherwise stated. Bearing are true reckoned clockwise from 000° to 359°, those relating to lights are from seaward.

Notices to Mariners correcting MAL charts are issued by the National Hydrographic Centre of Malaysia and should be inserted on the charts affected in waterproof violet ink in case of permanent notices and in pencil in case of temporary notices.

Temporary and Preliminary Notices

These are indicated by (T) or (P) after the notice number.

Original Information

An asterisk (*) adjacent to the number of a notice indicates that the notice is based on original information.

Malaysian Notice (MN)

Mariners are to take note the legend MN indicates Malaysian Notice.

INDEX OF CHARTS AFFECTED			
MAL 4508	175/2016	MAL 68	186/2016
MAL 5	186/2016, 189/2016(T), 191/2016(T)	MAL 7150	189/2016(T)
MAL 5307	176/2016*	MAL 723	189/2016(T)
MAL 5403	177/2016(T)	MAL 7257	189/2016(T)
MAL 5410	177/2016(T)	MAL 731	189/2016(T)
MAL 5416	178/2016(T), 179/2016(T)	MAL 7317	187/2016(T)
MAL 5419	178/2016(T), 179/2016(T)	MAL 7332	189/2016(T)
MAL 5425	178/2016(T), 179/2016(T), 180/2016*	MAL 740	189/2016(T)
MAL 5529	181/2016	MAL 741	189/2016(T)
MAL 553	182/2016	MAL 750	188/2016*, 189/2016(T), 190/2016(T)
MAL 554	178/2016(T), 179/2016(T), 183/2016*	MAL 751	188/2016*, 189/2016(T)
MAL 5625	184/2016(T)	MAL 752	189/2016(T)
MAL 5630	184/2016(T)	MAL 754	189/2016(T), 190/2016(T)
MAL 565	184/2016(T)	MAL 762	189/2016(T)
MAL 6	189/2016(T), 191/2016(T)	MAL 781	189/2016(T), 191/2016(T)
MAL 6124	185/2016	MAL 8608	189/2016(T), 191/2016(T)
MAL 625	189/2016(T)	MAL 864	189/2016(T), 191/2016(T)
MAL 645	191/2016(T)	MAL 865	189/2016(T), 191/2016(T)
MAL 655	191/2016(T)	MAL 872	189/2016(T), 191/2016(T)

SECTION II

175/2016 SOUTH CHINA SEA – Ardasier Bank – Rocks.

Source: British Admiralty Notice No. 4751/16.

Chart MAL 4508 (Last Correction 123/2016) WGS 84 DATUM

Insert	<i>ED</i>	08° 00'.20N,	115° 18'.82E
		07° 30'.27N,	115° 03'.41E

176/2016* MALAYSIA – Selangor – Tidal Streams – Block.

Source: National Hydrographic Centre.

Chart MAL 5307 (Last Correction 116/2015) WGS 84 DATUM

Insert	the accompanying block, Tidal Streams, Centre on:	03° 04'.20N,	101° 22'.90E
---------------	---	--------------	--------------

177/2016(T) MALAYSIA – Perak – Kuala Sungai Perak – Light Buoy.

Source: Marine Department of Malaysia Notice No. 84/2016(T).

Chart MAL 5403 (Last Correction 49/2016) WGS 84 DATUM

Insert	legend, (Off Station) for No.3, <i>Fl.R.10s</i>	04° 02'.67N,	100° 42'.93E
---------------	---	--------------	--------------

Chart MAL 5410 (Last Correction 153/2015) WGS 84 DATUM

Insert	legend, (Off Station) for No.3, <i>Fl.R.10s</i>	04° 02'.67N,	100° 42'.93E
---------------	---	--------------	--------------

178/2016(T) MALAYSIA – Perak – Selat Manjung (Dinding) – Light Beacon – Unlit.

Source: Marine Department of Malaysia Notice No. 82/2016(T).

Chart MAL 5416 (Last Correction 141/2016) WGS 84 DATUM

Insert	legend, (Unlit) for Dinding Bn, <i>Fl(2)G.5s6M</i>	04° 14'.68N,	100° 34'.88E
---------------	--	--------------	--------------

Chart MAL 5419 (Last Correction 141/2016) WGS 84 DATUM

Insert	legend, (Unlit) for Dinding Bn, <i>Fl(2)G.5s6M</i>	04° 14'.68N,	100° 34'.88E
---------------	--	--------------	--------------

Chart MAL 5425 (Last Correction 141/2016) WGS 84 DATUM

Insert	legend, (Unlit) for Dinding Bn, <i>Fl(2)G.5s6M</i>	04° 14'.68N,	100° 34'.88E
---------------	--	--------------	--------------

Chart MAL 554 (Last Correction 49/2016) WGS 84 DATUM

Insert	legend, (Unlit) for Dinding Bn, FI(2)G.5s6M	04° 14'.68N,	100° 34'.88E
---------------	---	--------------	--------------

179/2016(T) MALAYSIA – Perak – Selat Manjung (Dinding) – Light Beacon – Unlit.

Source: Marine Department of Malaysia Notice No. 83/2016(T).

Chart MAL 5416 (Last Correction 178/2016) WGS 84 DATUM

Insert	legend, (Unlit) for River Rk, FI.WRG.3s8m7-4M	04° 14'.57N,	100° 35'.32E
---------------	---	--------------	--------------

Chart MAL 5419 (Last Correction 178/2016) WGS 84 DATUM

Insert	legend, (Unlit) for River Rk, FI.WRG.3s8m7-4M	04° 14'.57N,	100° 35'.32E
---------------	---	--------------	--------------

Chart MAL 5425 (Last Correction 178/2016) WGS 84 DATUM

Insert	legend, (Unlit) for River Rk, FI.WRG.3s8m7-4M	04° 14'.57N,	100° 35'.32E
---------------	---	--------------	--------------

Chart MAL 554 (Last Correction 178/2016) WGS 84 DATUM

Insert	legend, (Unlit) for River Rk, FI.WRG.3s7-4M	04° 14'.57N,	100° 35'.32E
---------------	---	--------------	--------------

180/2016* MALAYSIA – Perak – Selat Manjung (Dinding) – Light Beacon.

Source: National Hydrographic Centre.

Chart MAL 5425 (Last Correction 179/2016) WGS 84 DATUM

Amend	elevation of light to, 8m	04° 14'.57N,	100° 35'.32E
--------------	---------------------------	--------------	--------------

181/2016 MALAYSIA – Pulau Pinang – Penang Bridge – Light Beacons.

Source: Marine Department of Malaysia Notice No. 76/2016.

Chart MAL 5529 (Last Correction 73/2016) WGS 84 DATUM

Delete	 oc.WRG.10s37m10M	05° 21'.25N,	100° 20'.78E
---------------	--	--------------	--------------

	 oc.WRG.10s37m10M	05° 21'.24N,	100° 20'.78E
--	--	--------------	--------------

182/2016 INDONESIA – Sumatera – Belawan – Wreck.

Source: British Admiralty Notice No. 4665/16.

Chart MAL 553 (Last Correction 49/2016) WGS 84 DATUM

Insert



03° 52'.90N, 098° 45'.40E

183/2016* MALAYSIA – Perak – Selat Manjung (Dinding) – Light Beacon.

Source: National Hydrographic Centre.

Chart MAL 554 (Last Correction 179/2016) WGS 84 DATUM

Amend

light to, Fl(2)G.5s6M

04° 14'.68N, 100° 34'.88E

184/2016(T) MALAYSIA – Perlis – Kuala Perlis – Buoy.

Source: Marine Department of Malaysia Notice No. 81/2016(T).

Chart MAL 5625 (Last Correction NE/2015) WGS 84 DATUM

Insert

legend, (**Off Station**) for
Fl.G.4s

06° 24'.05N, 100° 05'.97E

Chart MAL 5630 (Last Correction 168/2016) WGS 84 DATUM

Insert

legend, (**Off Station**) for
Fl.G.4s

06° 24'.05N, 100° 05'.97E

Chart MAL 565 (Last Correction 75/2016) WGS 84 DATUM

Insert

legend, (**Off Station**) for
Fl.G.4s

06° 24'.05N, 100° 05'.97E

185/2016 MALAYSIA – Johor – Teluk Ramunia – Light Buoys.

Source: Marine Department of Malaysia Notice No. 86/2016.

Chart MAL 6124 (Last Correction 139/2016) WGS 84 DATUM

Insert



Fl. Y. 5s

01° 21'.13N, 104° 15'.44E



Fl. Y. 5s

01° 20'.96N, 104° 14'.43E



Fl. Y. 5s

01° 21'.96N, 104° 14'.40E

Source: Sapura Kencana Petroleum Sdn. Bhd.

Chart MAL 5 (Last Correction 138/2016) WGS 84 DATUM

Insert		TPA	07° 28'.19N,	102° 47'.56E
		MTA	07° 25'.35N,	103° 19'.61E
		MDF	07° 31'.56N,	102° 59'.54E
		AMA	07° 28'.27N,	103° 05'.09E
		MRP	07° 35'.51N,	102° 59'.18E
		FPSO Ratu Songkhla	07° 36'.60N,	102° 58'.40E

Insert	pipeline, 	joining	(a)	07° 35'.53N,	102° 59'.21E
			(b)	07° 34'.86N,	102° 59'.27E
			(c)	07° 34'.59N,	102° 59'.33E
			(d)	07° 34'.22N,	102° 59'.51E
			(e)	07° 33'.82N,	102° 59'.88E
			(f)	07° 29'.50N,	103° 07'.08E
			(g)	07° 29'.08N,	103° 07'.40E
			(h)	07° 28'.41N,	103° 07'.58E
			(i)	07° 18'.22N,	103° 08'.34E
			(j)	07° 17'.73N,	103° 08'.46E
			(k)	07° 06'.76N,	103° 14'.78E
			(l)	07° 01'.67N,	103° 17'.72E

Legend, Gas, centre on:

(a)-(l) above

Substitute		MDE	for		Muda-B	07° 35'.19N,	103° 01'.67E
------------	---	-----	-----	---	--------	--------------	--------------

Chart MAL 68 (Last Correction 164/2016) WGS 84 DATUM

Insert		TPA	07° 28'.19N,	102° 47'.56E
		MTA	07° 25'.35N,	103° 19'.61E
		MDF	07° 31'.56N,	102° 59'.54E
		AMA	07° 28'.27N,	103° 05'.09E
		MRP	07° 35'.51N,	102° 59'.18E
		FPSO Ratu Songkhla	07° 36'.60N,	102° 58'.40E

Insert	pipeline, 	joining	(a)	07° 35'.53N,	102° 59'.21E
--------	---	---------	-----	--------------	--------------

(b)	07° 34'.86N,	102° 59'.27E
(c)	07° 34'.59N,	102° 59'.33E
(d)	07° 34'.22N,	102° 59'.51E
(e)	07° 33'.82N,	102° 59'.88E
(f)	07° 29'.50N,	103° 07'.08E
(g)	07° 29'.08N,	103° 07'.40E
(h)	07° 28'.41N,	103° 07'.58E
(i)	07° 18'.22N,	103° 08'.34E
(j)	07° 17'.73N,	103° 08'.46E
(k)	07° 06'.76N,	103° 14'.78E
(l)	07° 01'.67N,	103° 17'.72E

Legend, Gas, centre on:

(a)-(l) above

Substitute  MDE for  Muda-B 07° 35'.19N, 103° 01'.67E

187/2016(T) MALAYSIA – Sarawak – Pelabuhan Bintulu – Buoy – Missing.

Source: Sarawak Marine Department No. 53/2016(T).

Chart MAL 7317 (Last Correction 165/2016) WGS 84 DATUM

Insert legend, (**Missing**) for Pelabuhan Bintulu Buoy Y1, Fl. Y.5s 03° 15'.89N, 113° 03'.27E

legend, (**Missing**) for Pelabuhan Bintulu Buoy Y3, Fl. Y.5s 03° 15'.93N, 113° 03'.64E

188/2016* MALAYSIA – Laut China Selatan – Gugusan Beting Patinggi Ali – Block.

Source: National Hydrographic Centre.

Chart MAL 750 (Last Correction 55/2016) WGS 84 DATUM

Insert the accompanying block, Centre on: 05° 02'.00N, 112° 40'.50E

Chart MAL 751 (Last Correction 116/2016) WGS 84 DATUM

Insert the accompanying block, Centre on: 05° 04'.00N, 112° 36'.00E

SECTION III

NAVIGATIONAL WARNINGS

189/2016(T) MALAYSIA – Johor, Sarawak and Sabah – Main Lay Cable Installation Work (SKR1M).

Source: Optic Marine Services Sdn. Bhd.

1. SUBMARINE CABLE LAYING WORK (SKR1M) – 23 AUG 16 TO 28 FEB 17 AT POSITION AS FOLLOW:

(a) SEGMENT S1 – MERSING – KUCHING.

- (1) 02°21'.84N, 103°53'.94E.
- (2) 02°22'.15N, 103°54'.61E.
- (3) 02°22'.67N, 103°57'.68E.
- (4) 02°22'.71N, 103°58'.66E.
- (5) 02°23'.75N, 104°01'.08E.
- (6) 02°25'.48N, 105°05'.56E.
- (7) 02°29'.20N, 104°16'.65E.
- (8) 02°30'.89N, 104°19'.82E.
- (9) 02°33'.63N, 104°30'.13E.
- (10) 02°35'.72N, 104°33'.34E.
- (11) 02°38'.91N, 104°46'.38E.
- (12) 02°42'.10N, 104°55'.13E.
- (13) 03°01'.33N, 105°03'.93E.
- (14) 03°06'.69N, 105°09'.69E.
- (15) 03°15'.95N, 105°15'.58E.
- (16) 03°23'.89N, 105°26'.09E.
- (17) 03°36'.03N, 105°43'.62E.
- (18) 03°39'.64N, 105°56'.77E.
- (19) 03°48'.68N, 106°20'.37E.
- (20) 04°07'.95N, 106°59'.69E.
- (21) 04°31'.44N, 107°20'.92E.
- (22) 04°45'.26N, 107°29'.84E.
- (23) 04°54'.00N, 107°39'.13E.
- (24) 04°58'.54N, 107°44'.96E.
- (25) 05°01'.33N, 108°07'.02E.
- (26) 04°55'.73N, 108°26'.10E.
- (27) 03°21'.94N, 109°04'.45E.
- (28) 03°12'.67N, 109°07'.07E.
- (29) 02°25'.88N, 109°40'.55E.
- (30) 02°00'.96N, 109°52'.60E.
- (31) 01°54'.16N, 110°19'.88E.
- (32) 01°42'.87N, 110°21'.29E.
- (33) 01°42'.81N, 110°21'.25E.

(b) SEGMENT S2 – KUCHING – BINTULU.

- (1) 01°42'.81N, 110°21'.25E.
- (2) 01°42'.93N, 110°21'.31E.
- (3) 01°46'.56N, 110°26'.08E.
- (4) 02°06'.95N, 110°33'.01E.
- (5) 02°09'.55N, 110°33'.85E.
- (6) 02°14'.47N, 110°35'.52E.
- (7) 02°54'.21N, 110°49'.66E.
- (8) 03°22'.21N, 111°09'.02E.
- (9) 03°30'.93N, 111°14'.20E.
- (10) 03°35'.88N, 111°18'.44E.
- (11) 03°39'.44N, 111°21'.05E.
- (12) 03°50'.04N, 111°39'.18E.
- (13) 03°52'.16N, 111°51'.03E.

- (14) 03°53'.09N, 112°10'.95E.
- (15) 03°53'.64N, 112°21'.04E.
- (16) 03°57'.30N, 112°37'.74E.
- (17) 03°50'.34N, 112°43'.41E.
- (18) 03°49'.30N, 112°44'.91E.
- (19) 03°41'.86N, 112°56'.44E.
- (20) 03°31'.95N, 112°59'.22E.
- (21) 03°23'.42N, 113°02'.59E.
- (22) 03°23'.45N, 113°03'.81E.
- (23) 03°21'.49N, 113°04'.46E.
- (24) 03°20'.12N, 113°05'.27E.
- (25) 03°18'.89N, 113°07'.11E.

(C) SEGMENT S4 – MIRI – KOTA KINABALU.

- (1) 04°22'.58N, 113°58'.34E.
- (2) 04°22'.04N, 113°56'.07E.
- (3) 04°15'.76N, 113°48'.01E.
- (4) 04°18'.60N, 113°42'.52E.
- (5) 04°22'.83N, 113°39'.95E.
- (6) 04°40'.38N, 113°33'.58E.
- (7) 04°45'.44N, 113°40'.60E.
- (8) 05°00'.23N, 113°39'.25E.
- (9) 05°02'.86N, 113°38'.65E.
- (10) 05°18'.22N, 113°41'.76E.
- (11) 05°44'.41N, 113°52'.44E.
- (12) 05°57'.36N, 114°09'.68E.
- (13) 06°04'.73N, 114°17'.21E.
- (14) 06°06'.78N, 114°30'.04E.
- (15) 06°04'.83N, 114°40'.81E.
- (16) 05°57'.46N, 114°47'.57E.
- (17) 05°55'.11N, 114°52'.86E.
- (18) 05°53'.75N, 114°56'.43E.
- (19) 05°53'.75N, 115°11'.97E.
- (20) 05°52'.01N, 115°26'.80E.
- (21) 05°54'.89N, 115°41'.96E.
- (22) 05°54'.97N, 116°00'.37E.
- (23) 05°57'.07N, 116°02'.64E.

2. WIDE BERTH REQUESTED. CANCEL THIS NOTICE 1 MAC 17.

3. CHART AFFECTED: MAL 5, MAL 625, MAL 6, MAL 7150, MAL 723, MAL 7257, MAL 731, MAL 7332, MAL 740, MAL 741, MAL 750, MAL 751, MAL 752, MAL 754, MAL 762, MAL 781, MAL 8608, MAL 864, MAL 865 AND MAL 872.

190/2016(T) MALAYSIA – Sarawak – Miri – Drilling Operation.

Source: Petronas Carigali Sdn. Bhd.

1. DRILLING OPERATION – 24 SEP TO 27 MAR 18 AT 04°26'.27N, 113°48'.13E.

2. WIDE BERTH REQUESTED. CANCEL THIS NOTICE 28 MAR 18.

3. CHART AFFECTED: MAL 750 AND MAL 754.

Source: Marine Department of Malaysia Notice No. 88/2016(T).

1. SUBMARINE CABLE LAYING WORK (SKR1M) – 23 SEP 16 TO 28 FEB 17 AT POSITION AS FOLLOW:

(a) SEGMENT S5 – CHERATING – KOTA KINABALU.

- (1) 04°05'.80N, 103°23'.01E.
- (2) 04°15'.75N, 104°12'.15E.
- (3) 04°30'.15N, 105°28'.59E.
- (4) 04°38'.59N, 106°54'.50E.
- (5) 04°50'.60N, 107°03'.57E.
- (6) 05°01'.59N, 107°15'.22E.
- (7) 05°20'.84N, 107°46'.91E.
- (8) 05°31'.82N, 109°00'.31E.
- (9) 06°02'.19N, 110°45'.01E.
- (10) 06°20'.76N, 111°01'.84E.
- (11) 06°30'.04N, 112°53'.84E.
- (12) 06°10'.96N, 114°38'.88E.
- (13) 06°01'.57N, 115°35'.08E.
- (14) 05°57'.07N, 116°02'.64E.

2. WIDE BERTH REQUESTED. CANCEL THIS NOTICE 1 MAC 17.

3. CHART AFFECTED: MAL 5, MAL 645, MAL 655, MAL 6, MAL 781, MAL 8608, MAL 864, MAL 865 AND MAL 872.
-

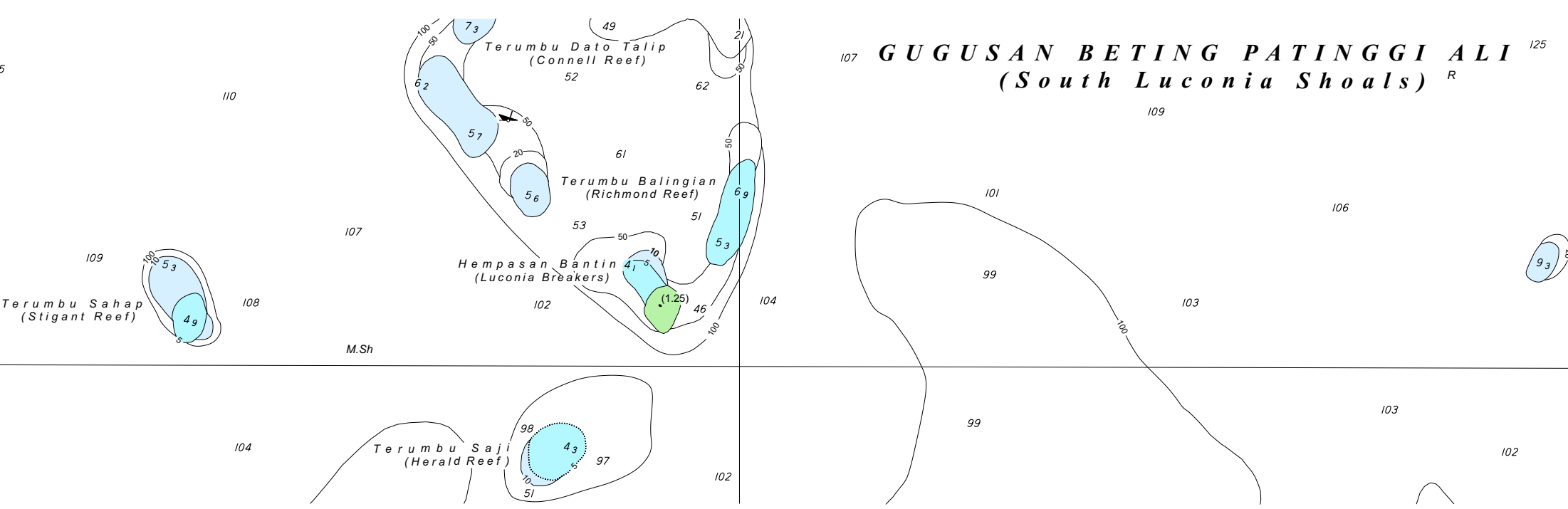
To Accompany Malaysian Notices to Mariners No. 176 of 2016

Aliran Pasang Surut merujuk kepada Air Pasang di PELABUHAN KLANG
Tidal Streams referred to High Water at PORT KLANG

Jam Hours	 Kedudukan Geografi Geographical Position	 3°02.489'N 101°21.215'E		 3°01.389'N 101°20.916'E		 3°00.089'N 101°23.315'E		 2°59.289'N 101°23.515'E		
Sebelum Air Pasang Before High Water	Arah aliran (darjah) Directions of streams (degrees) Kadar semasa pasang surut perbani (knot) Rates at spring tides (knots) Kadar semasa pasang surut anak (knot) Rates at neap tides (knots)	-6	358	2.0 0.6	001	1.6 0.5	208	2.0 0.7	011	1.3 0.4
-5		001	1.2 0.4	002	1.3 0.5	210	0.9 0.3	029	1.3 0.4	
-4		160	0.2 0.1	074	0.5 0.2	024	0.6 0.2	046	0.5 0.2	
-3		172	1.0 0.3	174	0.8 0.3	032	1.4 0.5	193	1.1 0.4	
-2		173	1.4 0.4	179	1.3 0.4	037	1.5 0.5	199	1.1 0.4	
-1		174	2.1 0.6	183	1.4 0.5	039	1.3 0.4	209	1.0 0.3	
0		178	1.7 0.5	187	1.2 0.4	042	0.8 0.3	203	0.9 0.3	
+1		182	0.8 0.3	186	0.9 0.3	192	0.3 0.7	191	1.0 0.3	
+2			0.0 0.0	179	0.4 0.7	195	1.3 0.4	192	0.8 0.3	
+3		350	0.9 0.3	026	0.2 0.7	204	1.5 0.5	197	0.4 0.1	
+4		353	1.2 0.4	005	0.8 0.3	213	1.7 0.6	021	1.0 0.3	
+5		354	1.6 0.5	355	1.3 0.5	208	1.9 0.6	007	1.4 0.5	
+6		356	2.2 0.7	356	1.6 0.5	205	2.0 0.7	010	1.4 0.5	

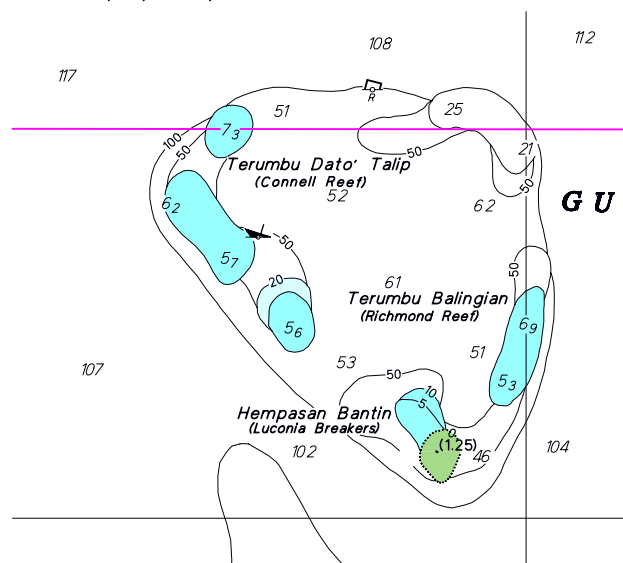
Block for Chart MAL 5307

To Accompany Malaysian Notice to Mariners No : 188 of 2016



Block for Chart MAL 750

To Accompany Malaysian Notice to Mariners No : 188 of 2016



Block for Chart MAL 751

HYDROGRAPHIC NOTE
(for instructions, see overleaf)

Date :

Ref No : _____
_____Name of ship or address of sender.

General locality _____

Subject _____

Approx position Lat _____

Long _____

Chart Affected _____

Latest Notice to Mariners held _____

Publication affected (Edition No date of latest supplement, page and Light List No etc) _____

Details :-

A replacement copy of Chart No. _____

is required, but see 4 overleaf

Signature of observer/reporter _____

HYDROGRAPHIC NOTE

Forwarding Information for Malaysian Charts and Hydrographic Publications

INSTRUCTION: -

1. Mariners are requested to notify the National Hydrographic Centre, Bandar Armada Putra, Pulau Indah, 42009 PORT KLANG, Selangor, Malaysia, when new or suspected dangers to navigation are discovered, change observed in aids to navigation, or corrections to publications seems to be necessary.
 2. This form and its instructions have been designed to help both the sender and the recipient. It should be used, or followed closely, whenever appropriate. Copies of this Form may be obtained gratis from the Hydrographic Directorate at the above address.
 3. When **position** is defined by sextant angles or bearings (true or magnetic being specified) more than two should be used in order to provide and check. Distances observed by radar and the reading of Loran, Decca, etc, should be quoted. However, when there is a series of fixes along a ship course, only the method of fixing and the objects used need be indicated. Latitude and longitude should only be used specifically to position the details when they have been fixed by the astronomical observations and full description of the latter should be given.
 4. A cutting from the largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.
 5. When **soundings** are obtained The Mariner's Handbook (NP 100) should be consulted. The echo sounding trace should be marked with times, depths, etc., and forwarded with the report. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of set, together with stylus speed/sound velocity, should also be given.
 6. Modern echo sounders frequently register greater depths than the advertised maximum for the set, e.g. with a set whose maximum is 500 metres, a trace appearing at 50 metres may in fact be 550 metres or even 1050 metres. Sounding recorded beyond the set's nominal range usually recognised by the following:-
 - a. the trace being weaker than normal for the depth recorded
 - b. the trace passing through the transmission line
 - c. the "feathery" nature of trace.
- As a check that apparently shoal soundings are not due to echoes beyond the set's nominal range sounding should be continued until reasonable agreement with charted soundings is reached. However soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depth.
7. Reports, which cannot be confirmed or are lacking in certain details should be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
 8. Reports of **shoal soundings**, uncharted dangers and navigational aids out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be sufficient importance to justify a radio message.
 9. **Port Information** should be forwarded on Form MH 501a together with Form MH 501. Form MH 501a lists the information required for Admiralty Sailing Directions and should be used as an *aide memoire*. Where there is insufficient space on the form an additional sheet should be used.

Note: An acknowledgement of receipt will be sent and the information then used to the best advantage, which may mean immediate action or inclusion in revision in due course. When the Notice to Mariners is issued, the sender's vessel or name is quoted as sometimes happens the information is also received in foreign Notice to Mariners. Further communication should be expected only if the information is of outstanding value or has unusual features.

**HYDROGRAPHIC NOTE FOR PORT
INFORMATION**
(To accompany Form MH 501)

Name of ship or address of sender

Ref No

Date

1.	NAME OF PORT
2.	GENERAL REMARKS Principal activities and trade Latest population figures and date Number of ships or tonnage handled per year Maximum size of vessel handled. Copy of Port Handbook if available
3.	ANCHORAGES Designation, depths holding ground, shelter afforded
4.	PILOTAGE Authority for requests. Embarkation position. Regulations.
5.	DIRECTIONS Entry and berthing information Tidal Streams. Navigational aids
6.	TUGS Number available and max. hp.
7.	WHARVES Names, number or positions. Lengths. Depth alongside. Height above Chart Datum Facilities available
8.	CARGO HANDLING Container, lighters, Ro – Ro etc.
9.	CRANES Brief details and max. capacity
10.	REPAIRS Hull, machinery and underwater. Ship and boat yards. Docking or shipping facilities. Gives sizes of vessels handled or dimensions. Hard and ramps. Divers.
11.	RESCUE AND DISTRESS Salvage, lifeboat Coastguard, etc.
12.	SUPPLIES Fuel with type and quantities available

	Fresh water with rate of supply. Provisions.
13.	SERVICES Medical De-ratting Consuls. Ship chandlery, compass adjustment, tank cleaning, hull painting.
14.	COMMUNICATIONS Road, rail and air services available. Nearest airport or airfield. Port radio and information service with frequencies and hours of operating.
15.	PORT AUTHORITY Designation, address and telephone number.
16.	SMALL CRAFT FACILITIES Information and facilities for small craft (e.g. yachts) visiting the port. Yacht Clubs, berth, etc.
17.	VIEWS Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. Picture postcards may also be useful

Signature of observer/reporter.....