



MALAYSIAN NOTICES TO MARINERS

Monthly Edition 06 of 2019
30th JUNE 2019

CONTENTS

- I - Explanatory Notes / Index of Charts Affected.
- II - Corrections to Charts.
- III - Navigational Warnings.
- IV - Cumulative List of Malaysian Notices to Mariners.

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: nhc@hydro.gov.my / nhc@navy.mil.my immediately upon the discovery of new dangers, changes or defects in aids to navigation and shortcoming in Malaysian charts or publications. Malaysian Notice to Mariners Online (MyNTM Online) can be accessed directly from link below: <https://goo.gl/yCXdSV>.

HANAFIAH BIN HASSAN
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. Section IV gives information on Cumulative List of Malaysian Notices to Mariners. 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 and preliminary 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.

INDEX OF CHARTS AFFECTED			
MAL 5	144*/2019, 145*/2019, 146*/2019, 153(T)*/2019, 154(T)*/2019, 156(T)*/2019, 157(T)*/2019	MAL 645	167(T)*/2019, 168(T)*/2019
MAL 5129	162(T)*/2019	MAL 65	146*/2019, 167(T)*/2019, 168(T)*/2019
MAL 515	156(T)*/2019, 161(T)*/2019	MAL 655	167(T)*/2019
MAL 5152	157(T)*/2019	MAL 664	152*/2019
MAL 521	156(T)*/2019, 157(T)*/2019	MAL 68	144*/2019, 145*/2019
MAL 532	153(T)*/2019, 154(T)*/2019	MAL 741	150*/2019, 163(T)*/2019
MAL 5322	154(T)*/2019	MAL 750	151*/2019, 164(T)*/2019, 166(T)*/2019
MAL 54	153(T)*/2019, 154(T)*/2019, 155(T)*/2019, 156(T)*/2019	MAL 751	150*/2019, 151*/2019, 158(T)*/2019, 163(T)*/2019, 164(T)*/2019, 165(T)*/2019
MAL 540	154(T)*/2019, 155(T)*/2019	MAL 754	166(T)*/2019
MAL 5410	147*/2019	MAL 762	151*/2019, 158(T)*/2019, 161(T)*/2019, 164(T)*/2019, 165(T)*/2019
MAL 5425	147*/2019	MAL 781	159(T)*/2019
MAL 5529	148*/2019	MAL 865	160(T)*/2019
MAL 5631	149*/2019	MAL 871	160(T)*/2019
MAL 6	150*/2019, 151*/2019, 162(T)*/2019	MAL 872	160(T)*/2019
MAL 625	167(T)*/2019	MAL 885	160(T)*/2019
MAL 635	167(T)*/2019		

SECTION II

CORRECTIONS TO CHARTS

144*/2019 MALAYSIA – Terengganu – Cakerawala Field – Platforms.

Source: Marine Department of Malaysia No. 98/2019.

Chart MAL 5 (Last Correction 129/2019) WGS 84 DATUM







Insert		Zetung – A	(a)	06° 51'.90N,	103° 18'.65E
		Anggerik – A	(b)	06° 53'.21N,	103° 22'.22E
		FSO Mekar Berganding	(c)	07° 07'.25N,	103° 26'.11E

Chart MAL 68 (Last Correction 123/2019) WGS 84 DATUM

Insert		Zetung – A	(a)	06° 51'.90N,	103° 18'.65E
		Anggerik – A	(b)	06° 53'.21N,	103° 22'.22E
		FSO Mekar Berganding	(c)	07° 07'.25N,	103° 26'.11E

145*/2019 MALAYSIA – Kelantan – Cakerawala Field – Wreck.

Source: Marine Department of Malaysia No. 84(T)/2019.

Chart MAL 5 (Last Correction 144/2019) WGS 84 DATUM

Insert		Rep (2019) PA		07° 10'.16N,	102° 54'.79E
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Chart MAL 68 (Last Correction 144/2019) WGS 84 DATUM

Insert		Rep (2019) PA		07° 10'.16N,	102° 54'.79E
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146*/2019 MALAYSIA – Johor – Bt. Pengerang and Beting Ramunia – Wreck.Light buoys.

Source: Marine Department of Malaysia No. 97/2019.

Chart MAL 5 (Last Correction 145/2019) WGS 84 DATUM

Delete		QFI		01° 26'.24N,	104° 24'.39E
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Chart MAL 65 (Last Correction 288/2018) WGS 84 DATUM

Delete		Hop Thanh Wreck North QFI		01° 26'.24N,	104° 24'.39E
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Hop Thanh Wreck South
Q(6)+LFI.15s

01° 25'.87N, 104° 24'.38E

147*/2019 MALAYSIA – Perak – Sungai Manjung (Dinding) – Blocks.

Source: National Hydrographic Centre.

Chart MAL 5410 (Last Correction 282/2018) WGS 84 DATUM

Insert the accompanying block, centred on: (a) 04° 08'.40N, 100° 35'.70E
(b) 04° 08'.50N, 100° 38'.80E
(c) 03° 59'.30N, 100° 43'.40E

Chart MAL 5425 (Last Correction 127/2019) WGS 84 DATUM

Insert the accompanying block, centred on: (a) 04° 24'.00N, 100° 28'.30E
(b) 04° 08'.50N, 100° 35'.50E
(c) 04° 17'.00N, 100° 37'.20E

148*/2019 MALAYSIA – Pulau Pinang – North Channel – Depth.

Source: National Hydrographic Centre.

Chart MAL 5529 (Last Correction 79/2019) WGS 84 DATUM

Insert depth, 10₆ 05° 26'.42N, 100° 21'.43E

149*/2019 MALAYSIA – Kedah – Pelabuhan Teluk Ewa – Buoy.

Source: Marine Department of Malaysia No. 111/2019.

Chart MAL 5631 (Last Correction 151/2018) WGS 84 DATUM

Insert  *MC Pengasus Wreck*
FI(2)10s 06° 26'.59N, 099° 46'.48E

150*/2019 MALAYSIA – Sarawak – D18 Oil Field – Platform.

Source: National Hydrographic Centre.

Chart MAL 6 (Last Correction 81/2019) WGS 84 DATUM

Insert  D18 JT-D (a) 03° 35'.58N, 112° 23'.75E

Chart MAL 741 (Last Correction 81/2019) WGS 84 DATUM




Insert  D18 JT-D (a) 03° 35'.58N, 112° 23'.75E

Insert  D18 JT-D (a) 03° 35'.58N, 112° 23'.75E

151*/2019 MALAYSIA – Sarawak – Central Luconia Field – Submarine pipeline. Legend. Platforms.

Source: Sarawak Marine Department No. 84/2019, 75(T)/2019.

Chart MAL 6 (Last Correction 150/2019) WGS 84 DATUM

Insert  LRK-A (a) 04° 31'.05N, 112° 18'.08E
 submarine pipeline, , joining: (a) above
 (b) 04° 37'.39N, 112° 20'.56E
 (c) 04° 38'.31N, 112° 18'.40E()
 legend, *Minyak & Gas/ Oil & Gas*, along: (a)-(c) above




 BKG-A (a) 04° 35'.88N, 112° 03'.92E
 submarine pipeline, , joining: (a) above
 (b) 04° 39'.23N, 112° 10'.00E
 (c) 04° 39'.42N, 112° 10'.50E
 (d) 04° 38'.32N, 112° 18'.38E()
 legend, *Minyak & Gas/ Oil & Gas*, along: (a)-(d) above

Chart MAL 750 (Last Correction 125/2019) WGS 84 DATUM






Insert submarine pipeline, , joining: (a) 04° 32'.11N, 112° 18'.71E(W border)
 (b) 04° 37'.39N, 112° 20'.56E
 (c) 04° 38'.14N, 112° 20'.05E
 (d) 04° 38'.31N, 112° 18'.40E()
 legend, *Minyak & Gas/ Oil & Gas*, along: (a)-(d) above

Chart MAL 751 (Last Correction 150/2019) WGS 84 DATUM

Insert  LRK-A (a) 04° 31'.05N, 112° 18'.08E
 submarine pipeline, , joining: (a) above
 (b) 04° 37'.39N, 112° 20'.56E
 (c) 04° 38'.14N, 112° 20'.05E
 (d) 04° 38'.31N, 112° 18'.40E()
 legend, *Minyak & Gas/ Oil & Gas*, along: (a)-(d) above










 BKG-A (a) 04° 35'.88N, 112° 03'.92E
 submarine pipeline, , joining: (a) above
 (b) 04° 39'.42N, 112° 10'.50E
 (c) 04° 40'.25N, 112° 17'.24E
 (d) 04° 39'.60N, 112° 18'.21E
 (e) 04° 38'.32N, 112° 18'.38E()
 legend, *Minyak & Gas/ Oil & Gas*, along: (a)-(e) above

Chart MAL 762 (Last Correction 81/2019) WGS 84 DATUM

Insert	 LRK-A submarine pipeline,  , joining:	(a) 04° 31'.05N, 112° 18'.08E (a) above (b) 04° 37'.39N, 112° 20'.56E (c) 04° 38'.14N, 112° 20'.05E (d) 04° 38'.31N, 112° 18'.40E() legend, <i>Minyak & Gas/ Oil & Gas</i> , along: (a)-(d) above
	 BKG-A submarine pipeline,  , joining:	(a) 04° 35'.88N, 112° 03'.92E (a) above (b) 04° 39'.42N, 112° 10'.50E (c) 04° 40'.25N, 112° 17'.24E (d) 04° 40'.04N, 112° 17'.80E (e) 04° 39'.60N, 112° 18'.21E (f) 04° 39'.08N, 112° 18'.39E (g) 04° 38'.32N, 112° 18'.38E() legend, <i>Minyak & Gas/ Oil & Gas</i> , along: (a)-(g) above

152*/2019 MALAYSIA – Kelantan – Kuala Tok Bali – Block.

Source: Marine Department of Malaysia No. 74/2019.

Chart MAL 664 (Last Correction 105/2019) WGS 84 DATUM

Insert	the accompanying block, centred on:	06° 00'.00N, 102° 32'.75E
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153(T)*/2019 MALAYSIA – Selangor – Sungai Langat – Lighthouse.

Source: Marine Department of Malaysia No. 92(T)/2019.

1. Bukit Jugra Lighthouse, in position 02°50'.10N, 101°25'.10E is restored to normal.
2. Former Notice No. 128/2019(T) is cancelled.
3. Charts affected – MAL 5 – MAL 532 – MAL 54.

154(T)*/2019 MALAYSIA – Selangor – Pulau Angsa – Lighthouse.

Source: Marine Department of Malaysia No. 91(T)/2019.

1. Pulau Angsa lighthouse, in position 03°11'.18N, 101°13'.03E is temporarily operating on reduced power and light nominal range is reduced to 15M.
2. Former Notice No. 129/2019(T) is cancelled.
3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
4. Charts affected – MAL 5 – MAL 532 – MAL 5322 – MAL 54 – MAL 540.

155(T)*/2019 MALAYSIA – Selangor – Kuala Selangor – Light bouy.

Source: Marine Department of Malaysia No. 89(T)/2019.

1. Karang Q.G, in position 03°18'.00N, 101°05'.00E is off station.
 3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 4. Charts affected – MAL 54 – MAL 540.
-

156(T)*/2019 MALAYSIA – Johor – SW P. Pisang – Light beacon.

Source: Marine Department of Malaysia No. 99(T)/2019.

1. Mudah Selatan, *Fl(3)15s26m15M*, in position 01°25'.22N, 103°11'.22E is temporarily unlit.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 5 – MAL 515 – MAL 521 – MAL 54.
-

157(T)*/2019 MALAYSIA – Johor – Tg. Segenting – Lighthouse.

Source: Marine Department of Malaysia No. 110(T)/2019.

1. Bukit Segenting lighthouse, in position 01°47'.50N, 102°53'.40E is temporarily operating on reduced power and light nominal range is reduced to 15M.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 5 – MAL 5152 – MAL 521.
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SECTION III

NAVIGATIONAL WARNINGS

158(T)*/2019 MALAYSIA – Sarawak – Luconia Field – Transportation and Installation.

Source: Sarawak Marine Department No. 75/2019(T).

1. Transportation and Installation of Offshore Facilities – 22 May to 31 Oct 19. Positions as follow:
 - (1) 04°38'.37N, 112°18'.16E.
 - (2) 04°31'.05N, 112°18'.08E.
 - (3) 04°38'.36N, 112°18'.16E.
 - (4) 04°35'.88N, 112°03'.91E.
 2. Vessels involved – MV Westsea 98, MV Maritime Ratu, MV Winposh Rampart, MV Tms 10, MV Ena Pearl, MV Posh Assistor, MV Ena Jade, MV Swiber Challenger, Barge Bs 27, Barge Winposh 3301, Barge Eos 281 And Derrick Barge 30.
 3. Wide berth requested.
 4. Chart affected: MAL 751 and MAL 762.
 5. Cancel this notice 01 Nov 19.
(WGS 84)
-

159(T)*/2019 MALAYSIA – Sarawak – Kikeh Field – Installing Subsea Equipment.

Source: Sarawak Marine Department No. 76/2019(T).

1. Installation of Subsea Equipment – 29 May to 30 Jul 19. Positions as follow:
 - (1) 05°47'.35N, 114°21'.75E.
 - (2) 05°47'.33N, 114°21'.72E.
 - (3) 05°74'.98N, 114°22'.08E.
 - (4) 05°48'.65N, 114°21'.53E.
 2. Vessels involved – MCV Deep Orient.
 3. Wide berth requested.
 4. Chart affected: MAL 781.
 5. Cancel this notice 31 Jul 19.
(WGS 84)
-

160(T)*/2019 MALAYSIA – Sabah – South Furious Field – Drilling Operation.

Source: Sabah Marine Department No. 10/2019(T).

1. Drilling Operation – 24 May to 30 Nov 19. Positions as follow:
 - (1) 06°46'.63N, 116°13'.57E.
 - (2) 06°47'.62N, 116°12'.90E.
 2. Vessels involved – Rig PV Drilling I, MV Executive Pride, MV Sk Line 79, MV Sk Prime and MV sms Venture.
 3. Berth of 2 nm requested.
 4. Chart affected: MAL 865, MAL 871, MAL 872 and MAL 885 .
 5. Cancel this notice 01 Dec 19.
(WGS 84)
-

161(T)*/2019 MALAYSIA – Sarawak – Terumbu Lang Ngindang – Towing Operation.

Source: Sarawak Marine Department No. 78/2019(T).

1. Towing Operation – 03 Jun to 01 Aug 19. Positions as follow:
(1) 05°22'.54N, 112°19'.94E.
(2) 05°21'.25N, 112°29'.93E.
 2. Vessels involved – Rig Deepwater Nautilus, MV Sk Perfect, MV Sk Plenty, MV Gh Endeavour and MV Pacific Dove.
 3. Berth of 5 nm requested.
 4. Chart affected: MAL 762.
 5. Cancel this notice 02 Aug 19.
(WGS 84)
-

162(T)*/2019 MALAYSIA – Sarawak – Anjung Kecil Field – Towing and Drilling Operation.

Source: Sarawak Marine Department No. 79/2019(T).

1. Towing and Drilling Operation – 30 May to 18 Aug 19. Positions as follow:
(1) 01°12'.12N, 103°39'.25E.
(2) 04°13'.78N, 111°54'.08E.
 2. Vessels involved – MV Mist, MV Grade One Manjung 8 and MV Ena Samurai.
 3. Wide berth requested.
 4. Chart affected: MAL 515, MAL 5129 and MAL 6.
 5. Cancel this notice 19 Aug 19.
(WGS 84)
-

163(T)*/2019 MALAYSIA – Sarawak – Temana B Field – Drilling Activities.

Source: Sarawak Marine Department No. 81/2019(T).

1. Drilling Activities – 30 Jun to 07 Okt 19 at 03°14'.80N, 112°48'.60E.
 2. Vessels involved – MV Perdana Marathon, MV Taha Assalam and MV Jm Ehsan.
 3. Berth of 2 nm requested.
 4. Chart affected: MAL 741 and MAL 751.
 5. Cancel this notice 08 Oct 19.
(WGS 84)
-

164(T)*/2019 MALAYSIA – Sarawak – Central Lucano Field – Structure Installation for Sk408 Gorek Development Project.

Source: Sarawak Marine Department No. 80/2019(T).

1. Structure Installation for Sk408 Gorek Development Project – 15 Jun to 15 Jul 19 at 04°36'.90N, 112°37'.44E.
 2. Vessels involved – MV Ena jade, MV Winposh Rampart, MV Tms 10, MV Lanpan 33, MV Ewan Adventure, Tug Maritime, Barge Bs27 and Barge Maritime Glory.
 3. Berth of 5 nm requested.
 4. Chart affected: MAL 750, MAL 751 and MAL 762.
 5. Cancel this notice 16 Jul 19.
(WGS 84)
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165(T)*/2019 MALAYSIA – Sarawak – Gugusan Beting Patinggi Ali – Towing Operations.

Source: Sarawak Marine Department No. 82/2019(T).

1. Towing Operations – 20 Jun to 20 Aug 19. Positions as follow:
(1) 05°21'.25N, 112°29'.93E.
(2) 05°12'.62N, 112°23'.67E.
 2. Vessels involved – Rig Deepwater Nautilus, MV Gh Endeavour, MV Pacific Dove, Tug Sk Perfect and Tug Sk Plenty.
 3. Berth of 5 nm requested.
 4. Chart affected: MAL 751 and MAL 762.
 5. Cancel this notice 21 Aug 19.
(WGS 84)
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166(T)*/2019 MALAYSIA – Sarawak – Oil Field Tukau – Repair Works.

Source: Sarawak Marine Department No. 83/2019(T).

1. Repair Works and Replacement of Pipes and Equipment – 26 Jun to 30 Jul 19 at 04°26'.40N, 113°48'.16E.
 2. Vessels involved – MV Petra Galaxy and MV Akahfi Aminah.
 3. Wide berth requested.
 4. Chart affected: MAL 750 and MAL 754.
 5. Cancel this notice 31 Jul 19.
(WGS 84)
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167(T)*/2019 MALAYSIA – South China Sea – Firing Exercise.

Source: Royal Malaysian Navy.

1. Firing Exercise – 04 May to 17 Jul 19. Area bounded by:
Eks Kerismas: (4 – 12 Jul 19)
(1) 05°00'.00N, 103°34'.00E.
(2) 05°00'.00N, 105°30'.00E.
(3) 03°58'.00N, 105°30'.00E.
(4) 03°00'.00N, 105°30'.00E.
(5) 03°00'.00N, 103°30'.00E.
(6) 05°00'.00N, 103°34'.00E.

(4 – 12 Jul 19)
(1) 02°20'.66N, 104°17'.35E.
(2) 02°30'.82N, 104°35'.80E.
(3) 02°00'.56N, 104°36'.12E.
(4) 02°00'.39N, 104°16'.76E.

Eks Taming Sari: (16 – 17 Jul 19)
(1) 04°32'.00N, 104°00'.00E.
(2) 04°32'.00N, 104°47'.00E.
(3) 03°22'.00N, 104°47'.00E.
(4) 03°22'.00N, 104°00'.00E.
(5) 04°32'.00N, 103°00'.00E.
 2. Vessels involved – Royal Malaysian Navy Ships.
 3. Marine are advised to keep well clear from the exercise area and navigate with extra caution when in vicinity.
 4. Chart affected: MAL 625, MAL 635, MAL 645, MAL 65 and MAL 655
 5. Cancel this notice 18 Jul 19.
(WGS 84)
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168(T)*/2019 MALAYSIA – South China Sea – Kikeh Field – Drilling Activities.

Source: Marine Department Notice No. 108/2019(T).

1. Exploration Drilling and Infill Drilling – 24 Jun to 29 Jul 19. Positions as follow:
 - (1) 04°17'.44N, 104°54'.71E.
 - (2) 04°18'.71N, 104°56'.38E.
 - (3) 04°16'.85N, 104°52'.28E.
 - (4) 04°17'.81N, 104°52'.13E.
 - (5) 04°17'.87N, 104°53'.53E.
 2. Vessels involved – MV West Telesto.
 3. Berth of 2 nm requested.
 4. Chart affected: MAL 645 and 65.
 5. Cancel this notice 30 Jul 19.
(WGS 84)
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SECTION IV

CUMULATIVE LIST OF MALAYSIAN NOTICES TO MARINERS

Chart numbers refer to navigational charts in the Malaysian Chart (MAL) series.

The published date quoted indicates the date of publication. While the edition date quoted indicates the newest edition publication. A chart carrying an earlier edition date than that quoted in this list is no longer valid and should be replaced.

Bold figures indicate the year and month the notice was issued while the next figures indicate the Notice Number.

Temporary and Preliminary Notices are not included.

User should keep it updated from the information given in section I & II of the subsequent Monthly Edition of Malaysian Notices to Mariners. The next list will be published in Annual Notice to Mariners 2019.

No.	Chart No.	Published	Edition	Notices to Mariners
1.	MAL 4508	31 Dec 1991	31 Dec 2009	2010-(3)51-52-(5)77-78-(9)141-(11)167-168-2011-(3)51-(5)75-(6)88-89-90-92-(7)104-105-106-(9)143-144-2012 - (1)34-(2)52-2013-(4)78-(5)97-(7)116-(8)126-(9)149-(11)175-176-2014-(1)26-(2)38-(5)80-(8)111-112-(10)130-(11)141-2015-(1)26-(2)39- (3)54-(6)106-107-108-(9)167-(12)207-2016-(4)87-(6)123- (9)175-(11)206-2017-(4)76-(7)123-2018-(2)44
2.	MAL 5	31 Jan 1989	01 Oct 2008	2013-(2)43-(4)79-(6)107-(10)158-(11)177-178-179-(12)191-2014-(1)27-(2)39-40-(4)64-(5)83-84-(6)88-(7)101-102-(10)131-132-(12)146-2015-(2)40-41-(4)70-(5)90-(6)109-(8)151-(12)214-2016-(4)88-(6)124-(7)138-(9)186-(10)192-(11)207-209-(12)226-227-228-2017-(7)124-(8)149-(10)182-(11)201-202-(12)215-216-2018-(2)45-(6)128-129-(8)182-(9)196-204-(10)222-(12)277-2019-(1)28-38-(3)73-86-(5)116-117-118-(6)144-145-146
3.	MAL 5123	31 Dec 1999	31 Oct 2015	2016-(2)46-(7)139-(8)157-158-167-2017-(2)42-(7)125-126-(9)166-167-2018-(2)46-47-(4)85-(5)104-(7)147-148-(8)177-178-(11)248-(12)278-2019-(1)29-(2)54-(3)74
4.	MAL 5128	31 Oct 1992	31 Oct 2006	2013-(6)108-2014-(10)133-2015-(1)27-(5)92-(6)110-(9)168-(10)181- 2016-(7)139-2018-(5)104-(7)148-(12)278-2019-(3)74
5.	MAL 5129	01 Apr 2008	-	2008-(6)113-115-117-2009-(8)141-143-(11)178-189-2010-(6)93-94-(11)170-(12)184-2011-(2)44-(4)68-(7)107-109-(8)131-(9)146-147-148-151-2012-(1)36-(5)97-(10)162-163-(12)188-189-2013-(1)30-(4)80-(6)108-(7)117-(9)151-2014-(2)41-(3)53-2015-(1)27-(2)42-(6)111-(9)169-(10)181-(12)208-2016-(3)71-(5)109-(6)125-(7)139-(8)159-160-167-(11)210-211-2017-(1)27-(7)126-(10)183-2018-(2)47-(5)104-(6)130-(7)160-161-(8)178-(9)196-(11)248-249-(12)279-2019-(1)30-(2)54-(3)74-(5)118
6.	MAL 515	31 Mar 1993	31 Dec 2013	2014-(1)29-(2)41-42-(3)53-54-(4)66-(6)89-(7)103-(9)124-2015-(2)43-(6)111-(8)144-(9)169-(10)181-183-(12)208-209-2016-(2)47-(3)71-(5)109-110-(6)125-126-127-(7)140-(8)160-161-162-(11)211-212-(12)229-238-2017-(1)27-28-29-(3)58-(7)127-128-(9)168-(10)184-(11)203-2018-(2)48-63-(7)160-161-(8)178-(9)196-(11)248-249-250-262-(12)279-280-2019-(1)29-30-(2)54-55-56-64-(3)75-76-(5)116
7.	MAL 5152	31 Dec 2017	-	2019-(2)54
8.	MAL 521	15 Dec 1989	31 Dec 2012	2013-(6)109-(9)151-(10)161-162-2014-(5)82-2015-(3)55-(4)71-(5)93-(6)111-(8)147-148-2016-(3)71-(5)109-(6)125-(8)159-(10)192-(11)211-223-2017-(10)182-(12)217-2018-(2)63-(4)86-(8)178(11)249-2019-(1)28-30-(2)54-(3)77-78-(5)118
9.	MAL 5217	31 Aug 1994	31 Dec 2016	2017-(5)86-2018-(5)105-(6)131
10.	MAL 5230	01 Nov 2016	-	2017-(6)109-(11)204-2018-(3)70-(6)131-(11)249

No.	Chart No.	Published	Edition	Notices to Mariners
11.	MAL 5239	31 Dec 2012	-	2015-(7)132-133-2016-(3)72-(11)223-2018-(2)49-(12)281
12.	MAL 5257	01 Dec 2016	-	
13.	MAL 5300	01 Jun 1998	30 Sep 2011	2016-(1)29-(11)213-(12)227-2017-(6)110-(8)149-2018-(7)149-(11)251-2019-(1)31-32-(5)119
14.	MAL 5307	15 Nov 1998	31 Aug 2011	2013-(3)69-(9)152-2014-(12)149-2016-(9)176-2017-(3)67-(7)132-2018-(10)223-(11)252-2019-(5)120
15.	MAL 532	30 Jun 1989	31 Dec 2012	2015-(7)132-133-(8)149-152-(12)212-2016-(3)72-(4)88-(11)209-214-223-(12)227-2017-(8)149-(11)204-2018-(11)249-(12)277-281-2019-(4)100-(5)117-121
16.	MAL 5322	30 Aug 1991	31 Aug 2011	2012-(3)72-(4)83-(6)113-116-(10)164-2013-(1)31-(3)68-69-2015-(5)90-2016-(4)88-2018-(7)149-(11)252-2019-(5)120
17.	MAL 54	01 Sep 2002	31 Oct 2006	2013-(7)119-(9)151-(10)161-162-(11)180-2014-(2)41-(4)67-2015-(2)41-(3)55-(4)71-72-(5)90-93-95-(6)111-(8)147-148-149-152-2016-(3)71-(4)88-(6)125-(11)209-214-215-2017-(6)111-(10)182-(11)202-(12)217-2018-(2)50-63-(3)71-(9)204-(11)249-(12)277-2019-(1)30-(3)77-(4)100-(5)117-121
18.	MAL 540	31 Dec 1993	15 Jul 2007	2015-(2)41-(5)90-2016-(1)30-(2)49-(4)88-(11)209-(11)215-2017-(3)68-2017-(6)111-112-(10)185-2018-(9)204-(11)254-(12)277-2019-(1)32-(4)100-(5)121
19.	MAL 5403	30 Sep 1988	31 Dec 2012	2013-(11)180-2016-(2)49
20.	MAL 5410	15 Sep 1993	31 Dec 2012	2014-(2)43-(7)104-(9)125-2015-(3)56-(5)96-(8)153-2016-(12)231-2017-(10)185-2018-(2)51-(12)282-2019-(6)147
21.	MAL 5416	01 Mar 1984	31 Dec 2015	2016-(7)141-2017-(7)129-(8)151-2019-(1)33
22.	MAL 5419	01 Nov 1985	16 Sep 2016	2016-(7)141-2018-(11)253-2019-(1)33
23.	MAL 5425	30 Dec 1991	31 Dec 2015	2016-(7)141-(9)180-(12)231-2017-(7)129-(8)151-2018-(2)51-(11)253-2019-(6)147
24.	MAL 5529	01 Mar 2006	31 Dec 2016	2017-(3)61-(5)87-(8)152-(11)205-2018-(9)197-2019-(1)34-(3)79-(6)148
25.	MAL 553	01 Sep 1992	15 Jul 2007	2015-(3)56-57-58-(6)118-(8)145-(10)184-2016-(1)30-(2)49-(9)182-2017-(1)35-2017-(6)111-(10)185-2018-(2)51-(7)150-(10)224-(11)253-254-(12)282-2019-(3)79
26.	MAL 5536	01 Dec 2016	-	2017-(4)78-(5)87-(7)130-2018-(1)28-(7)150-(9)197-(10)224-2019-(1)34-38-(3)79-86

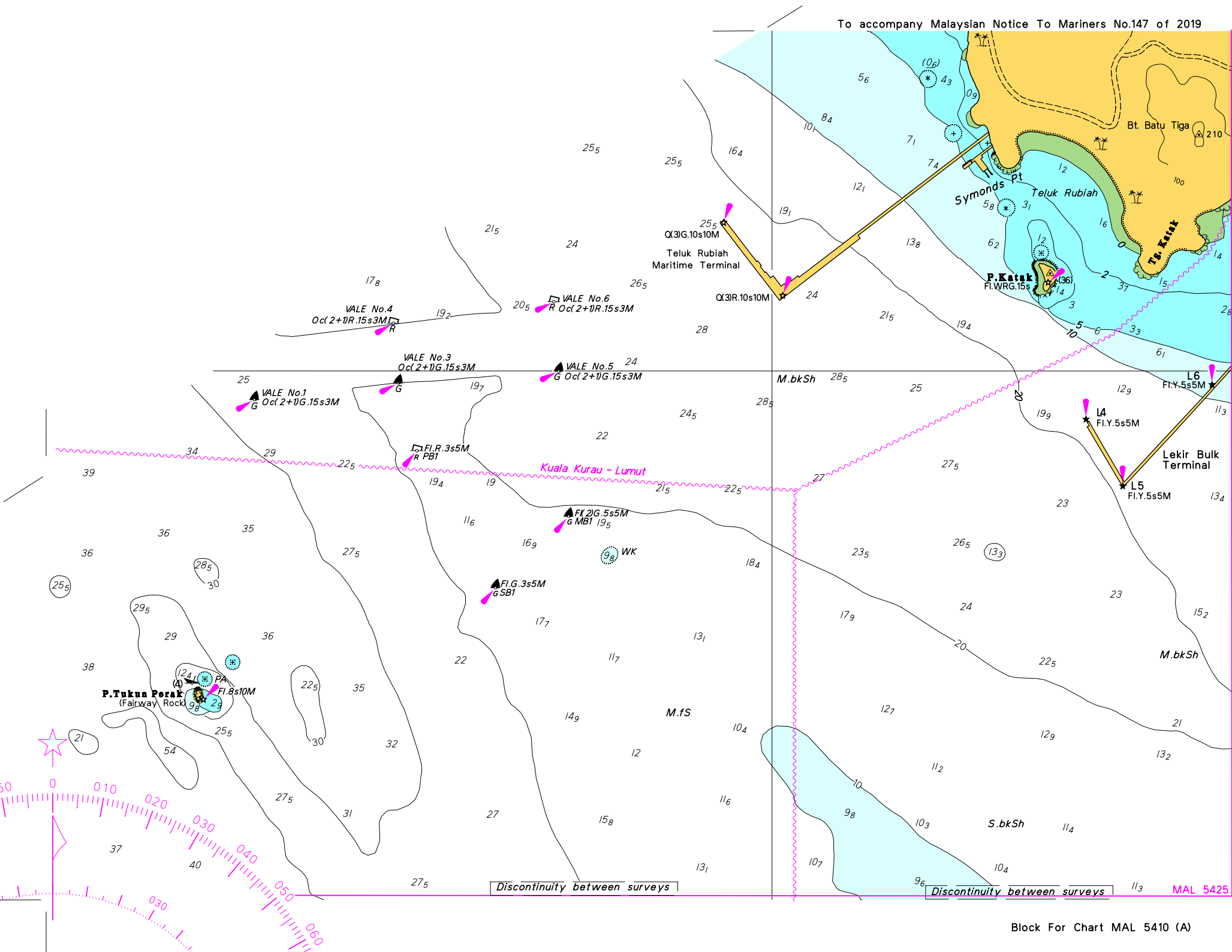
No.	Chart No.	Published	Edition	Notices to Mariners
27.	MAL 554	15 Jun 1999	15 Aug 2005	2015-(3)56-(5)96-(10)184-2016-(1)30-(2)49-(9)183-(12)231-2017-(1)35-(4)78-2017-(6)111-(10)185-2018-(7)150-(10)224-2019-(1)38-38-(3)79-80-86
28.	MAL 5622	30 Sep 1993	31 Dec 2010	2011-(3)58-59-2013-(1)33-(9)153-(11)182-2014-(6)91-(7)105-2016-(1)31-(3)74-75-(4)89-(8)168-2018-(10)225
29.	MAL 5625	31 Oct 2015	-	2017-(8)153
30.	MAL 5630	31 Dec 2010	-	2011-(3)59-(10)165-2013-(9)153-2016-(2)60-(3)74-75-(4)89-(8)168-2017-(7)131-(8)153-2018-(10)225
31.	MAL 5631	30 Sep 1991	31 Dec 2017	2018-(7)151-2019-(6)149
32.	MAL 565	31 Dec 1994	31 Dec 2018	2019-(1)38-(3)79-86
33.	MAL 58	31 Dec 1997	15 Jul 2004	2013-(6)111-(11)177-180-2014-(6)92-2015-(2)39-41-(3)57-58-(6)118-(8)145-2016-(1)30-(2)60-(3)75-2018-(2)51-(11)254-(12)282
34.	MAL 6	01 Oct 1991	30 Sep 2014	2014-(9)126-127-(10)136-137-2015-(1)28-(4)74-75-76-77-78-(6)119-(7)137-138-(8)157-(11)202-203-(12)214-216-2016-(1)35-(2)50-51-(6)128-129-(11)206-216-2017-(3)62-(4)76-(6)113-(10)189-(11)206-(12)218-219-2018-(1)29-(2)55-(3)75-(4)87-89-(7)152-153-(8)182-183-(10)226-227-228-(11)256-257-(12)283-2019-(2)57-58-59-(3)81-(6)150-151
35.	MAL 6124	30 Sep 2014	-	2015-(12)210-2016-(3)76-(5)110-111-(6)127-130-(7)139-(9)185-(11)217-(12)233-2017-(1)31-35-(7)134-(8)154-2018-(1)30-(2)47-63-(3)72-(8)178-179-(9)198-(11)250-262-2019-(2)64-(3)82
36.	MAL 6125	01 Sep 2002	15 Apr 2007	2008-(8)161-(10)196-2018-(2)63-(11)250
37.	MAL 6128	01 Jun 1998	15 Jul 2016	2017-(7)135
38.	MAL 6130	30 Nov 1992	01 Dec 2016	2017-(5)88-(7)126-135-(9)167-169-170-(10)186-(12)220-221-2018-(4)88-(5)107-2019-(2)60
39.	MAL 6134	30 Nov 1992	01 Dec 2016	2017-(3)63-(5)88-(9)167-169-170-(10)186-(12)221-2018-(1)30-(2)47-52-63-(4)88-(5)107-108-(8)179-(9)198-(11)250-2019-(2)60-(3)82
40.	MAL 6147	31 Dec 2017	-	2018-(2)48-(8)178-179-(9)196-198-(11)250-(12)-280-2019-(2)56-(5)116
41.	MAL 6202	01 Aug 2014	-	
42.	MAL 625	01 Jun 1996	31 Dec 2010	2011-(4)70-2012-(5)96-(6)118-(7)125-2013-(3)74-(9)150-2014-(10)131-(11)142-2015-(4)73-(5)98-(6)120-121-(7)134-(10)186-(11)200-2016-(3)76-2017-(7)124-2018-(2)63-(8)180
43.	MAL 6257	31 Dec 1992	15 Jul 2007	2009-(7)132-2012-(5)96-(7)125-2015-(6)121-(11)200-2017-(10)187-(11)207

No.	Chart No.	Published	Edition	Notices to Mariners
44.	MAL 635	31 Dec 1996	15 Apr 2007	2007-(7)91-(9)129-2011-(4)70-2012-(3)73-(5)96-(6)118-(7)125-128-2013-(1)34-2015-(4)73-(6)120-(7)134-135-(11)200-201-(12)214-2016-(1)33-(8)163-2017-(12)222-2018-(4)90-(8)180-(10)229-(12)288-2019-(3)83-(5)122
45.	MAL 6359	31 Dec 1991	31 Dec 2018	
46.	MAL 6400	31 Dec 2018	-	2019-(3)84-(4)101
47.	MAL 6416	30 Apr 1988	31 Jul 2017	2018-(2)53-54-(12)284
48.	MAL 6436	01 Oct 1999	31 Dec 2009	2012-(5)103-2016-(2)53
49.	MAL 6441	01 Jun 2000	01 Oct 2008	2012-(5)103-2013-(1)37-2014-(4)70-2016-(2)53-(3)79-2017-(9)171-172
50.	MAL 645	30 Sep 2000	15 Apr 2007	2007-(6)82-(7)91-(8)107-(9)125-2008-(1)40-(10)197-2010-(8)126-2012-(4)80-85-(5)103-2013-(1)26-(2)49-50-2014-(7)101-(10)132-2015-(12)218-2016-(2)53-(3)79-2017-(10)188-(11)201-2018-(2)54-(4)90-(6)129-(7)155-(8)182-(10)230-(12)-288-2019-(1)35
51.	MAL 65	31 Dec 2008	-	2010-(4)72-(5)78-79-(7)105-(10)152-(12)182-2011-(1)34-(6)91-(8)130-2012-(1)37-(3)73-(4)80-(5)96-(7)124-125-128-2013-(1)26-27-28-(2)43-(7)118-2014-(2)39-42-(4)64-(7)101-103-(10)131-132-(11)142-2015-(4)73-(5)98-(6)120-122-(7)134-135-(11)201-(12)214-2016-(1)33-(6)124-(11)212-2017-(1)29-(7)124-(10)188-(11)201-203-(12)215-222-2018-(6)129-(8)182-(10)222-(12)289-2019-(6)146
52.	MAL 6522	01 Apr 2008	-	2008-(12)227-2009-(3)76-2010-(9)144-2019-(1)36
53.	MAL 654	15 Dec 2001	31 Oct 2006	2013-(7)120-2017-(11)201-2018-(3)73-(7)156-(10)222
54.	MAL 655	31 Dec 1993	15 Apr 2007	2007-(11)166-2008-(3)67-(11)211-(9)183-2010-(5)80-(6)91-2011-(11)184-2012-(1)42-(2)55-61-(3)71-80-2013-(1)28-29-37-(2)43-2014-(2)27-(2)39-(3)52-(4)64-(6)88-(7)102-(12)146-2015-(6)123-2016-(3)79-(6)124-2017-(11)201-(12)215-2018-(7)156-(8)182-(10)222
55.	MAL 664	15 Dec 2001	31 Dec 2010	2011-(12)204-2012-(11)176-179-2013-(1)27-36-(5)104-(7)121-(10)158-(11)179-2014-(1)31-(2)40-2015-(4)70-(8)154-2016-(2)48-(11)207-208-218-(12)228-2017-(11)201-2018-(3)73-(9)200-2019-(2)63-(6)152
56.	MAL 673	15 Nov 1998	31 Dec 2009	2013-(7)121-2017-(11)201-2018-(7)157
57.	MAL 68	31 Dec 2008	-	2009-(11)183-(12)191-2010-(3)52-(4)75-(5)80-(6)91-(8)127-2012-(2)55-(3)71-(7)127-(11)176-179-2013-(1)28-29-36-(2)43-(5)104-(6)107-(7)121-(10)158-(11)178-179-(12)191-2014-(1)27-31-(2)39-40-(4)64-(5)84-(6)88-(7)102-(12)146-2015-(2)40-(4)70-(6)109-123-2016-(8)164-(9)186-(10)193-(11)207-(12)228-2017-(11)201-(12)215-216-2018-(2)45-(3)73-(7)156-(10)222-(12)285-2019-(3)73-(5)123-(6)144-145
58.	MAL 7139	15 Nov 1998	31 Dec 2009	2010-(3)64-(12)189-2011-(1)38-39-(11)189-2012-(3)74-2016-(3)81-2017-(5)89-2018-(1)32-2019-(1)37-(2)61-(4)102

No.	Chart No.	Published	Edition	Notices to Mariners
59.	MAL 7150	01 Dec 1989	31 Oct 2009	2010-(2)44-(12)189-2011-(1)38-2012-(3)74-(4)86-(12)193-2013-(1)38-39-(5)105-2014-(2)49-(3)57-2015-(11)202-2017-(5)90-2018-(1)29-2019-(1)37
60.	MAL 7212	30 Oct 1992	31 Dec 2009	2010-(7)108
61.	MAL 7213	30 Sep 1991	01 Oct 2008	2016-(2)54
62.	MAL 7215	15 Apr 1989	01 Oct 2008	2009-(2)58-(4)80-94-2010-(10)157-159-2013-(9)154-(10)167-2014-(3)57-(4)71-2016-(2)54-(4)90-2017-(2)45-46-(5)91-92-(6)114-2018-(6)136-(7)158-(9)201-2019-(2)59-61
63.	MAL 723	01 Dec 1996	30 Sep 2018	2019-(2)57
64.	MAL 7257	30 Oct 1989	03 Sep 2018	2019-(2)58-59
65.	MAL 731	15 Jul 1996	31 Dec 2007	2008-(3)74-(8)163-(10)201-2009-(2)58-(3)80-(4)92-93-(5)107-(8)150-151-2010-(5)83-(10)156-159-2011-(11)188-2012-(5)104-2013-(2)53-(3)76-(5)105-(7)124-2014-(2)49-(3)57-(4)71-2015-(2)47-(3)61-(4)74-(10)187-(11)202-2016-(1)35-(4)90-2017-(2)46-47-(5)92-(6)114-(7)124-2018-(1)29-(5)109-(6)134-136-138
66.	MAL 7317	30 Sep 1988	31 Dec 2007	2008-(3)75-(4)89-(6)122-(9)184-185-2009-(1)43-(7)135-2010-(3)65-66-(5)85-(7)109-(12)190-2011-(1)40-(9)157-(12)206-2012-(5)106-2013-(6)115-(10)168-2014-(3)57-59-(11)143-2015-(4)80-81-(10)188-2016-(1)36-(5)115-(8)165-(10)197-2017-(2)48-(5)94-(9)175-(12)223-2018-(7)159-(10)231-2019-(2)62
67.	MAL 7332	15 Aug 1989	01 Apr 2008	2007-(12)193-2008-(6)122-(8)164-(9)184-185-2010-(3)65-66-(5)85-(7)109-(12)190-2011-40-77-157-206-2012-(5)106-2013-(6)115-(10)168-2014-(3)57-59-(11)143-2015-(10)188-(11)202-2016-(5)112-115-(10)197-(11)219-2017-(2)48-(8)155-(9)175-(12)223-2018-(1)29-33-(5)55-(7)159-2019-(2)62
68.	MAL 740	15 Apr 1996	31 Dec 2008	2009-(2)58-(3)80-94-(9)165-2011-(3)61-(5)79-2012-(10)169-170-2013-(2)47-51-52-(3)70-(8)128-129-2014-(1)32-(3)57-58-(4)69-71-2015-(1)28-(3)60-(4)74-75-(11)202-2016-(1)35-(4)90-2017-(1)32-(2)46-(5)92-93-(6)114-2018-(1)29-(5)110-(6)134-136-137-138-(10)232-2019-(2)58-(3)81
69.	MAL 741	01 Jun 1998	15 Nov 2002	2003-(1)37-(6)86-(9)122-(10)132-(11)150-2004-(5)82-(6)97-(11)178-179-180-181-182-2005-(1)36-(3)64-(4)83-85-86-(8)168-(9)178-(12)208-2007-(2)44-46-47-48-49-50-(3)58-(12)193-2009-(2)62-(3)79-(9)164-165-2010-(10)160-(12)188-190-2011-(5)77-(6)96-(11)187-(12)206-2012-(5)106-2013-(3)70-(6)112-(8)128-129-(10)169-2014-(2)45-(3)57-59-(4)69-2015-(2)48-(4)75-(11)202-2016-(5)115-116-(10)197-2017-(2)49-50-(3)64-(6)113-(8)156-2018-(1)33-(2)55-56-(5)111-(6)134-(10)232-2019-(3)81-(6)150

No.	Chart No.	Published	Edition	Notices to Mariners
70.	MAL 750	01 Oct 1998	31 Dec 2007	2013-(8)129-(11)184-2014-(1)33-(3)55-57-(4)73-(6)93-2015-(1)34-(3)62-63-(4)77-78-(11)202-2016-(1)37-(2)50-(9)188-(10)199-2017-(10)189-(12)218-224-2018-(1)29-(2)55-(3)74-75-(4)87-89-(5)112-113-(6)133-134-(11)259-(12)286-2019-(3)81-(5)124-(6)151
71.	MAL 751	31 Dec 1993	31 Oct 2009	2010-(1)38-(7)110-(10)160-(12)188-190-2011-(5)77-(9)156-(11)187-(12)206-2012-(5)106-2013-(3)70-(6)101-112-(7)128-129-(10)169-(11)184-2014-(2)45-(3)55-57-59-(4)69-(6)93-(10)137-2015-(2)48-(4)75-77-(11)202-2016-(5)115-116-(9)188-(10)197-2017-(2)49-50-(6)113-(8)156-(11)206-(12)218-2018-(1)29-33-(2)55-56(3)74-75-(4)87-89-(5)111-112-(6)134-(10)228-2019-(2)62-(3)81-(6)150-151
72.	MAL 752	15 Dec 1997	31 Dec 2009	2010-(3)67-(4)76-(5)78-2011-(3)62-(10)172-(11)191-(12)205-207-2012-(4)84-(5)105-(6)119-(6)129-130-(8)140-(12)192-2013-(7)122-123-(8)129-(10)165-(12)194-2014-(1)33-(3)57-60-(4)73-(8)116-117-2015-(3)62-63-(4)78-(6)125-(8)156-(9)170-(12)202-214-2016-(1)37-38-(2)56-(8)166-(10)199-2017-(2)52-(4)81-(7)123-(9)173-174-(10)189-(12)224-2018-(2)57-(5)113-114-(6)133-135-(8)181-(10)226-233-(11)259-260-(12)286-287-2019-(3)85
73.	MAL 754	31 Dec 1993	15 Aug 2003	2004-(1)39-(2)48-(7)112-(8)128-129-(9)138-139-140-142-(10)158-(11)183-184-185-(12)210-2005-(1)38-(4)87-(5)111-112-(6)139-(9)179-180-(11)196-197-2006-(2)51-(4)71-(5)84-(7)106-(8)113-(10)136-2007-(1)37-(6)85-(9)133-(10)161-(11)175-2008-(1)41-42-(2)53-(6)123-125-2009-(2)63-(3)78-(5)108-(10)174-(11)187-2010-(1)39-(4)76-(5)78-(7)110-111-(10)158-161-(12)191-2011-(3)62-(4)71-(7)117-172-(11)191-(12)205-207-2012-(4)84-(5)105-(6)119-(7)129-130-(8)138-140-(12)192-2013-(7)122-123-(8)129-(10)165-(11)184-(12)194-2014-(1)33-(3)57-60-(4)73-(8)116-117-2015-(1)34-(2)49-(3)62-63-(6)125-126-(9)170-(11)202-(12)214-2016-(1)37-38-39-(2)50-56-58-(5)112-(8)166-(10)199-(12)235-2017-(1)32-(2)52-(4)81-(7)123-(9)173-174-(10)189-(12)224-225-2018-(2)55-57-(3)75-(5)113-114-(6)132-134-135-(8)181-(10)226(11)256-259-260-(12)286-2019-(3)85
74.	MAL 762	31 Oct 2009	31 Dec 2015	-2018-(2)55-(3)74-(4)87-89-(5)112-2019-(3)81-(6)151
75.	MAL 7724	30 Apr 1996	31 Dec 2010	
76.	MAL 781	30 Oct 1988	31 Dec 2013	2014-(7)106-2015-(6)126-2016-(2)51-2017-(12)219-2018-(3)75-(8)182-(9)202-(10)226-(11)257
77.	MAL 8421	01 Nov 1999	31 Dec 2009	2010-(8)128-2011(12)-208-2018-(10)227
78.	MAL 8425	01 Nov 1999	15 Apr 2007	2008-(2)55-(4)92-(5)103-2009-(5)110-2010-(5)84-2011-(6)97-(8)136-(12)208-2012-(1)47-(9)156-2013-(2)48
79.	MAL 8433	01 Sep 2002	31 Dec 2007	2008-(10)199-2016-(4)92-2018-(1)34
80.	MAL 8434	15 Dec 2001	31 Oct 2006	2018-(10)227
81.	MAL 8502	31 Jul 1996	31 Dec 2017	2018-(9)203
82.	MAL 8503	15 Sep 1998	15 Jul 2016	2017-(8)157-2018-(2)58-(10)227

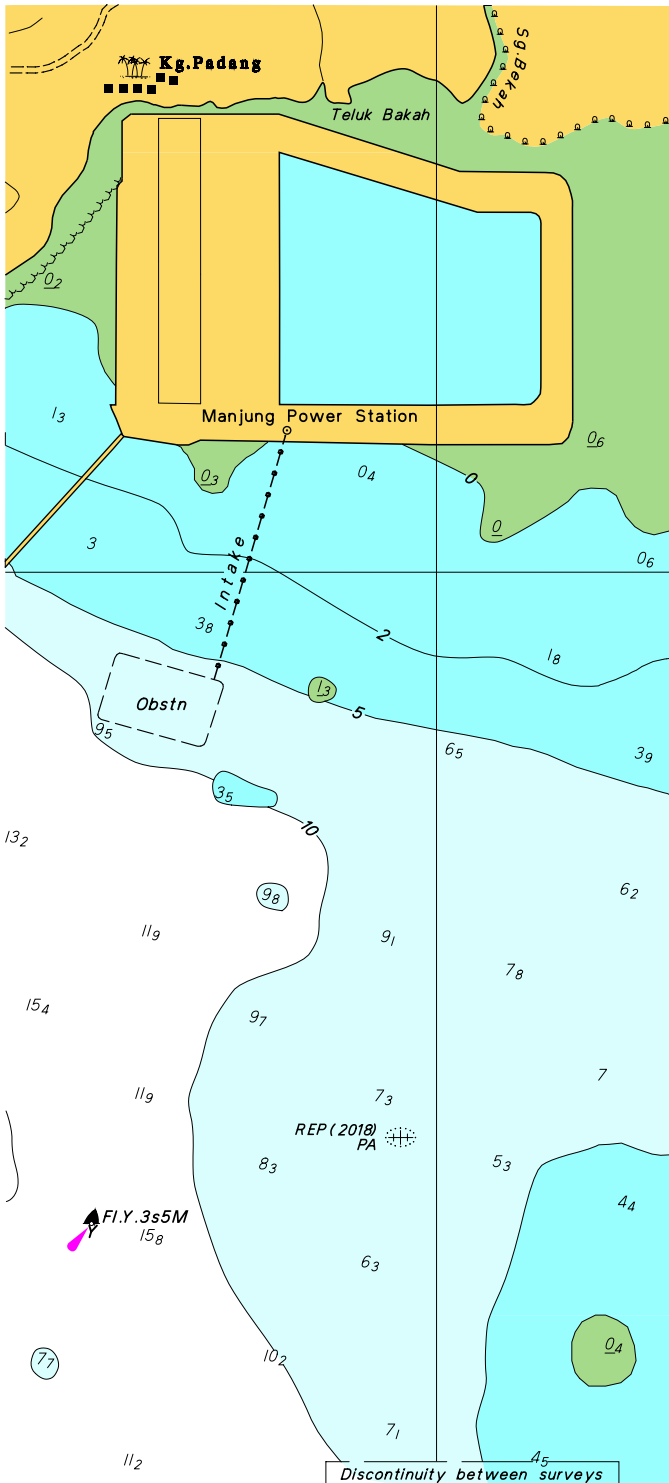
No.	Chart No.	Published	Edition	Notices to Mariners
83.	MAL 8518	31 Dec 1993	31 Dec 2013	2015-(5)125-(9)171-2016-(1)38-(2)56-2017-(3)65-(9)173-174-(12)225-2018-(11)260
84.	MAL 8523	30 Sep 2014	-	2015-(5)125-2017-(9)173-174-(12)225-2018-(11)260
85.	MAL 8553	15 Jul 2016	-	2016-(12)236-2017-(2)53-(8)158-2018-(1)35
86.	MAL 860	30 Sep 2014	-	2015-(8)157-(12)214-2016-(1)40-(2)59(12)227
87.	MAL 8608	15 Nov 1992	31 Dec 2007	2008-(2)54-2010-(5)87-2011-(12)208-2012-(7)132-133-(11)180-2013-(2)54-(7)125-2014-(3)50-2018-(3)75-(8)182
88.	MAL 8617	01 Feb 2006	31 Jul 2017	2017-(8)158-2018-(1)35-(2)59-(4)92-(7)153
89.	MAL 8621	31 Dec 2010	-	2015-(12)214-2016-(12)223-2018-(4)92
90.	MAL 864	31 Aug 1993	31 Dec 2007	2015-(2)49-(6)125-126-(11)214-2016-(1)38-39-(2)56-58-(4)93-(8)169-(10)200-(12)235-2017-(1)32-(2)52-(3)62-66-(4)81-(9)173-174-(12)225-2018-(2)57-60-(3)75-(5)114-(6)135-(8)181-182-(10)226-233-(11)256-260-(12)287-2019-(3)85
91.	MAL 8645	31 Dec 2008	-	2011-(12)208-2015-(12)214-2016-(5)117
92.	MAL 865	31 Dec 2007	-	2010-(7)111-2011-(12)208-2012-(1)46-2013-(2)55-(7)123-2014-(9)127-2015-(7)139-(12)214-2016-(4)93-2017-(3)62-2018-(8)182-2018-(11)256
93.	MAL 8655	31 Dec 2017	-	
94.	MAL 871	01 Jun 1998	30 Sep 2014	2016-(7)145-2017-(10)190-2018-(2)63-(11)256
95.	MAL 8715	01 Aug 2014	-	2014-(12)151-2015-(12)214-2016-(7)145-(12)237
96.	MAL 872	31 Dec 1993	31 Dec 2010	2011-(4)71-(12)208-2012-(1)48-2013-(2)54-55-(4)83-2014-(9)127-2015-(6)125-(7)139-(12)214-2016-(1)38-(2)56-(4)93-(10)200-(12)235-2017-(4)62-81-(9)173-(12)225-2018-(2)60-(3)75-(6)135-(8)182-(10)226-(11)256-260-2019-(3)85
97.	MAL 880	31 Aug 2011	-	2013-(12)197-2015-(12)214-2016-(5)118-119-(6)132-(7)145-(12)237-2018-(11)261
98.	MAL 884	30 Sep 2014	-	2016-(12)206
99.	MAL 885	31 Dec 2013	-	2016-(12)206-2017-(12)219



Discontinuity between surveys

Discontinuity between surveys

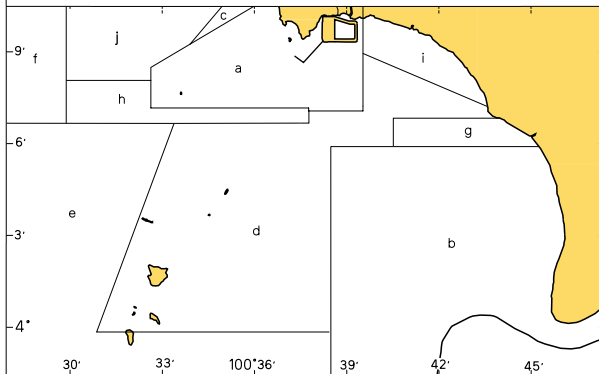
MAL 5425



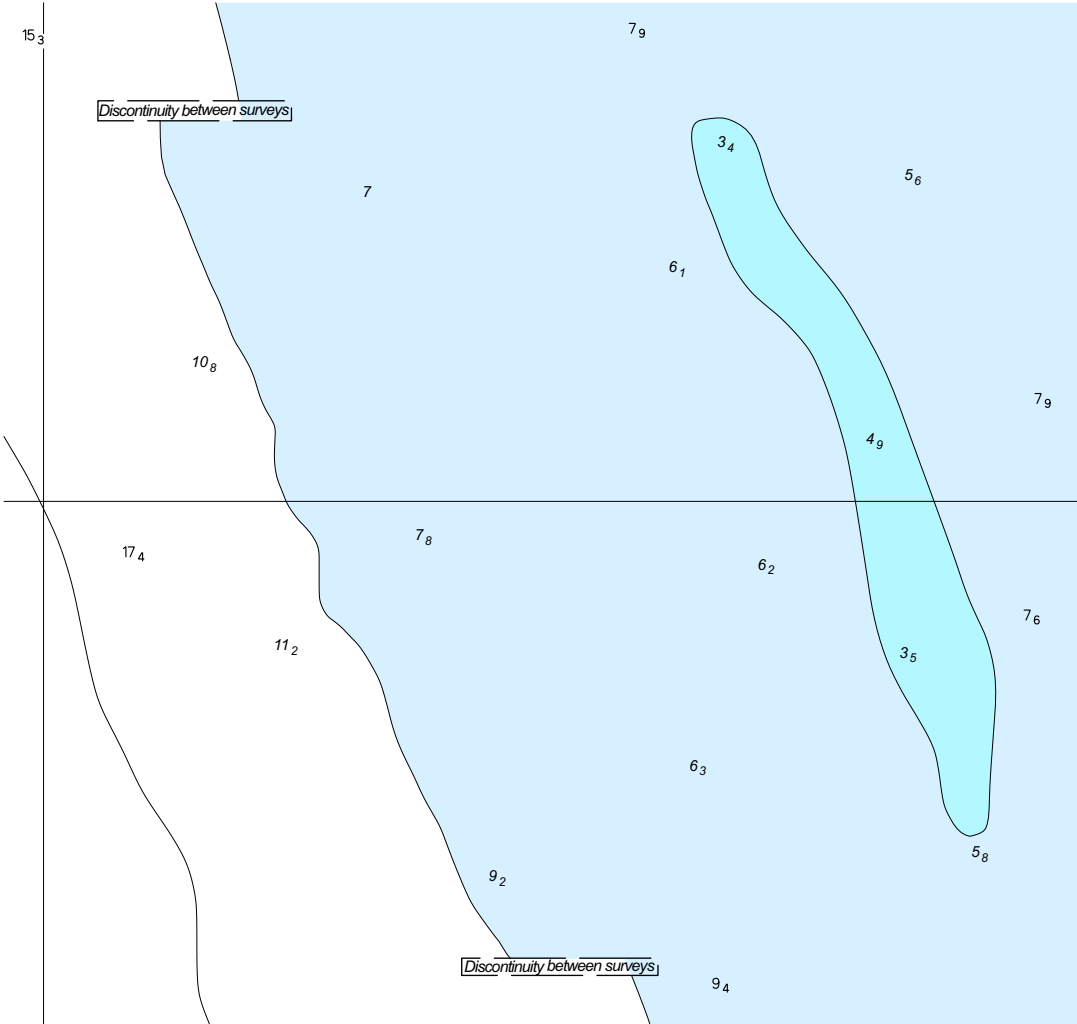
To accompany Malaysian Notice To Mariners No.147 of 2019

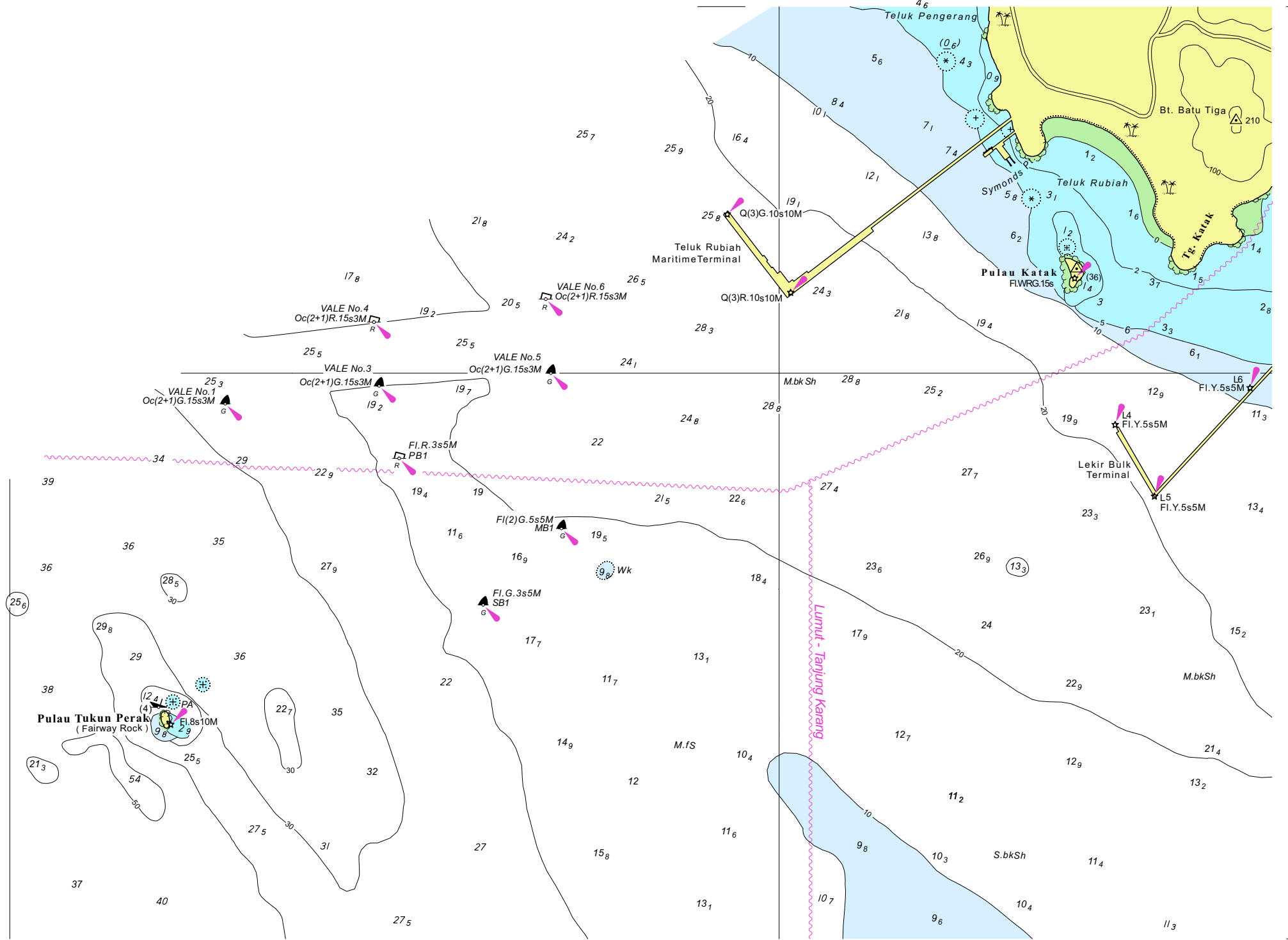
PENDARJAHAN SUMBER
SOURCES CLASSIFICATIONS

a. 2018	KD PERANTAU	Multibeam
b. 2010	KD MUTIARA	1 : 10 000
c. 1992	KD MUTIARA	1 : 30 000
d. 1992	KD MUTIARA	1 : 35 000
e. 1989-90	KTD PENYU	1 : 25 000
f. 1989	KD PERANTAU	1 : 20 000
g. 1986-87	KD PERANTAU	1 : 20 000
h. 1961	HMS DAMPIER	1 : 25 000
i. 1961	HMS DAMPIER	1 : 50 000
j. 1931	HMS DAMPIER	1 : 25 500



Block For Chart MAL 5410(C)

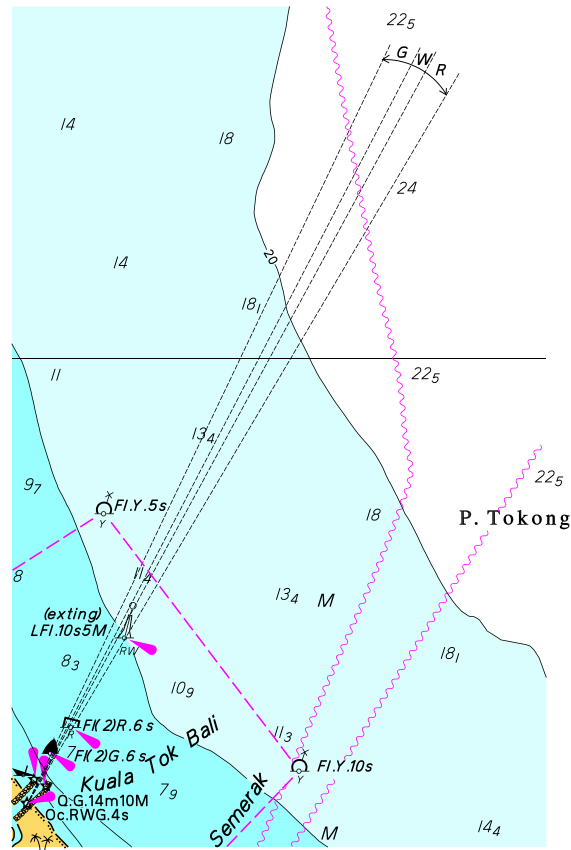




PENDARJAHAN SUMBER SOURCES CLASSIFICATIONS

Tarikh Pengukuran <i>Date of Survey</i>	Kuasa <i>Authorities</i>	Skala <i>Scale</i>
a. 2018	KD PERANTAU	Multibeam
b. 2014	Commercial Surveys	Multibeam
c. 2013	KD MUTIARA	Multibeam
d. 2013	KD PERANTAU	Multibeam
e. 2011	KD MUTIARA	1:1 000
f. 2011	KD MUTIARA	1:5 000
g. 2010	KD MUTIARA	1:5 000
h. 2009	KD MUTIARA	1:5 000
i. 1989	KD PERANTAU	1:20 000
j. 1959	HMS DAMPIER	1: 25 000
Tarikh Penerbitan <i>Date Published</i>		
k. Apr 2005	MAL 5419	1:12 500

To accompany Malaysian Notice To Mariners No.152 of 2019



Block For Chart MAL 664

Kuala

Kemudi Barat

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.....