



MALAYSIAN NOTICES TO MARINERS

Monthly Edition 03 of 2023
31st MARCH 2023

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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 4500), (Fax: +603 3101 3111), E-mail: 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 Notices to Mariners Online (MyNTM Online) can be accessed directly from NHC website. (<https://hydro.gov.my>)

DATO' 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. 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 515	55(T)*/2023	MAL 7150	51*/2023, 52(T)*/2023, 56(T)*/2023
MAL 5152	46*/2023	MAL 7215	53(T)*/2023
MAL 521	46*/2023	MAL 7257	53(T)*/2023
MAL 5259	47*/2023	MAL 731	61(T)*/2023
MAL 5307	47*/2023	MAL 732	61(T)*/2023
MAL 54	46*/2023	MAL 740	59(T)*/2023
MAL 5416	48*/2023	MAL 741	63(T)*/2023
MAL 5419	48*/2023	MAL 750	54(T)*/2023, 60(T)*/2023, 62(T)*/2023
MAL 5425	48*/2023	MAL 751	60(T)*/2023, 62(T)*/2023, 63(T)*/2023
MAL 6	49*/2023, 57(T)*/2023, 58(T)*/2023	MAL 752	54(T)*/2023
MAL 6124	55(T)*/2023	MAL 754	54(T)*/2023
MAL 6147	55(T)*/2023	MAL 762	57(T)*/2023, 60(T)*/2023, 62(T)*/2023, 47*/2023
MAL 6441	50*/2023	MAL 781	57(T)*/2023, 47*/2023
MAL 645	50*/2023	MAL 884	47*/2023
MAL 655	50*/2023	MAL 885	47*/2023

SECTION II

CORRECTIONS TO CHARTS

46*/2023 MALAYSIA – Johor – Muar – Port Limit.

Source: HIS MAJESTY'S GOVERNMENT GAZETTE.

Chart MAL 5152 (Last Correction 166/2021) WGS 84 DATUM

Insert	port limit, pecked line joining	(1)	01° 49'.80N	102° 40'.00E
		(2)	01° 49'.40N	102° 40'.80E
		(3)	01° 51'.30N	102° 42'.70E
	legend, ' <i>Batas Pelabuhan Muar / Muar Harbour Limit</i> ' centred on		01° 50'.50N, 102° 41'.70E	

Chart MAL 521 (Last Correction 166/2022) WGS 84 DATUM

Insert	port limit, pecked line joining	(1)	02° 06'.30N	102° 29'.50E
		(2)	01° 58'.70N	102° 23'.30E
		(3)	01° 49'.40N	102° 40'.80E
		(4)	01° 51'.30N	102° 42'.70E
	legend, ' <i>Batas Pelabuhan Muar / Muar Harbour Limit</i> ' centred on		01° 55'.40N, 102° 30'.00E	
Delete	port limit, pecked line joining	(1)	02° 05'.88N	102° 29'.16E
		(2)	02° 00'.55N	102° 24'.68E
		(3)	01° 55'.56N	103° 31'.47E
		(4)	01° 59'.65N	102° 34'.97E
	legend, ' <i>Batas Pelabuhan Muar / Muar Harbour Limit</i> ' centred on		01° 58'.10N, 102° 28'.15E	

Chart MAL 54 (Last Correction 182/2022) WGS 84 DATUM

Insert	port limit, pecked line joining	(1)	02° 06'.30N	102° 29'.50E
		(2)	01° 58'.70N	102° 23'.30E
		(3)	01° 49'.40N	102° 40'.80E
		(4)	01° 51'.30N	102° 42'.70E
	legend, ' <i>Batas Pelabuhan Muar / Muar Harbour Limit</i> ' centred on		01° 55'.40N, 102° 30'.00E	
Delete	port limit, pecked line joining	(1)	02° 05'.88N	102° 29'.16E
		(2)	02° 00'.55N	102° 24'.68E
		(3)	01° 55'.56N	103° 31'.47E
		(4)	01° 59'.65N	102° 34'.97E
	legend, ' <i>Batas Pelabuhan Muar / Muar Harbour Limit</i> ' centred on		01° 58'.10N, 102° 28'.15E	

47*/2023 MALAYSIA – Selangor – Pelabuhan Klang – Block.

Source: National Hydrographic Centre.

Chart MAL 5307 (Last Correction 28/2023) WGS 84 DATUM

Insert	the accompanying block, centred on:	02° 58'.80N,	101° 19'.70E
	the accompanying block (see plan), centred on:	02° 58'.95N,	101° 19'.83E

Chart MAL 5259 (Last Correction 136/2022) WGS 84 DATUM

Insert the accompanying block, centred on: 02° 58'.80N, 101° 19'.50E

48*/2023 MALAYSIA – Perak – Lumut – Light Buoy.

Source: Marine Department of Malaysia No. 40/2023.

Chart MAL 5416 (Last Correction 180/2021) WGS 84 DATUM

Insert  *DINDING 1R*
FI(2)R.10s. 04° 15'.13N, 100° 35'.53E

Delete  *DINDING 1R*
FI(2)R.10s. 04° 15'.40N, 100° 35'.00E

Chart MAL 5419 (Last Correction 180/2021) WGS 84 DATUM

Insert  *DINDING 1R*
FI(2)R.10s. 04° 15'.13N, 100° 35'.53E

Delete  *DINDING 1R*
FI(2)R.10s. 04° 15'.40N, 100° 35'.00E

Chart MAL 5425 (Last Correction 68/2022) WGS 84 DATUM

Insert  *DINDING 1R*
FI(2)R.10s. 04° 15'.13N, 100° 35'.53E

Delete  *DINDING 1R*
FI(2)R.10s. 04° 15'.40N, 100° 35'.00E

49*/2023 MALAYSIA – South China Sea – Undersea Features.

Source: National Hydrographic Centre.

Chart MAL 6 (Last Correction 31/2023) WGS 84 DATUM

Insert depth 2125, enclosed with legend, 'Anggerik Canyon' 06° 05'.90N, 114° 24'.70E

depth 1484, enclosed with legend, 'Bajau Ridge' 06° 14'.50N, 114° 31'.86E

depth 839, enclosed with legend, 'Bidayuh Hill' 05° 33'.05N, 112° 48'.58E

depth 650, enclosed with legend, 'Bisaya Hill' 07° 23'.39N, 112° 51'.64E

legend, 'Chengal Canyon' centred on 07° 42'.71N, 114° 35'.83E

depth 980, enclosed with legend, 'Kadayan Knoll' 07° 55'.31N, 112° 08'.29E

depth 1370, enclosed with legend, 'Kimaragang Ridge' 06° 01'.45N, 114° 16'.18E

legend, 'Lundayeh Hill' centred on 07° 18'.51N, 114° 25'.07E

depth 2852, enclosed with legend, 'Mawar Velly' 08° 20'.78N, 115° 34'.12E

	depth 2904, enclosed with legend, 'Meranti Canyon'	08° 02'.77N,	114° 52'.32E
	legend, 'Rungus Hill' centred on	07° 29'.56N,	114° 32'.49E
	Chart MAL 762 (Last Correction 31/2023) WGS 84 DATUM		
Insert	legend, 'Bidayuh Hill' centred on	05° 03'.05N,	112° 48'.58E
	Chart MAL 781 (Last Correction 235/2021) WGS 84 DATUM		
	depth 2125, enclosed with legend, 'Anggerik Canyon'	06° 05'.90N,	114° 24'.70E
	depth 1484, enclosed with legend, 'Bajau Ridge'	06° 14'.50N,	114° 31'.86E
	depth 2905, enclosed with legend, 'Chengal Canyon'	07° 42'.71N,	114° 35'.83E
	depth 1370, enclosed with legend, 'Kimaragang Ridge'	06° 01'.45N,	114° 16'.18E
	legend, 'Lundayeh Hill' centred on	07° 18'.51N,	114° 25'.07E
	depth 2904, enclosed with legend, 'Meranti Canyon'	08° 02'.77N,	114° 52'.32E
	legend, 'Rungus Hill' centred on	07° 29'.56N,	114° 32'.49E
	Chart MAL 884 (Last Correction 206/2016) WGS 84 DATUM		
	legend, 'Chengal Canyon' centred on	07° 42'.71N,	114° 35'.83E
	depth 2904, enclosed with legend, 'Meranti Canyon'	08° 02'.77N,	114° 52'.32E
	legend, 'Rungus Hill' centred on	07° 29'.56N,	114° 32'.49E
	Chart MAL 885 (Last Correction 47/2021) WGS 84 DATUM		
	depth 2852, enclosed with legend, 'Mawar Velly'	08° 20'.78N,	115° 34'.12E

50*/2023 MALAYSIA – Terengganu – Kertih – Wreck.

Source: Marine Department of Malaysia No. 20(T)/2023.

	Chart MAL 6441 (Last Correction 37/2023) WGS 84 DATUM		
Delete	 PA	04° 33'.65N,	103° 31'.38E
	Chart MAL 645 (Last Correction 37/2023) WGS 84 DATUM		
	 PA	04° 33'.65N,	103° 31'.38E
	Chart MAL 655 (Last Correction 30/2023) WGS 84 DATUM		
	 PA	04° 33'.65N,	103° 31'.38E

51*/2023 MALAYSIA – Sarawak – Tanjung Po – Buoy.

Source: Sarawak Marine Department No. 33(T)/2023.

1. Buoy No. 5, *Fl.G.5s*, in position 01°42'.32N, 110°33'.04E is restored to normal.
 2. Former Notice No. 39(T)*/23 is cancelled.
(WGS84)
 3. Charts affected – MAL 7150.
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52(T)*/2023 MALAYSIA – Sarawak – Tanjung Po – Buoy.

Source: Sarawak Marine Department No. 39(T)/2023.

1. Buoy No. 2, *Fl.R.5s*, in position 01°48'.17N, 110°30'.98E is missing.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 7150.
-

53(T)*/2023 MALAYSIA – Sarawak – Kuala Rajang – Buoy.

Source: Sarawak Marine Department No. 45(T)/2023.

1. Isolated Danger Mark Buoy, *Fl(2)6s*, in position 02°07'.49N, 111°06'.56E is missing.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 7215 – MAL 7257.
-

54(T)*/2023 MALAYSIA – Sarawak – Tanjung Baram – Buoy.

Source: Sarawak Marine Department No. 44(T)/2023.

1. Port Hand Buoy No. 2, *Fl.R.4s*, in position 04°37'.27N, 113°56'.18E is missing.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 750 – MAL 752 – MAL 754.
-

55(T)*/2023 MALAYSIA – Johor – Pengerang – Buoy.

Source: Marine Department of Malaysia No. 43(T)/2023.

1. Buoy, *Fl(2)10s*, in position 01°17'.73N, 104°11'.20E is off station.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 515 – MAL 6124 – MAL 6147.
-

56(T)*/2023 MALAYSIA – Sarawak – Tanjung Po – Buoy.

Source: Sarawak Marine Department No. 40(T)/2023.

1. Buoy No. 4, *Fl.R.5s*, in position 01°45'.25N, 110°32'.13E is unlit.
 2. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)
 3. Charts affected – MAL 7150.
-

SECTION III

NAVIGATIONAL WARNINGS

57(T)*/2023 MALAYSIA – Sabah – South China Sea – Seismic Survey.

Source: Sabah Marine Department No. 09/2023(T).

1. Seismic Survey – 23 Dec 22 to 30 Apr 23. Positions as follow:
Deployment Corridor.
(1) 07° 00'.53N 114° 00'.57E.
(2) 06° 00'.58N 113° 00'.57E.
(3) 06° 00'.73N 113° 00'.42E.
(4) 07° 00'.67N 114° 00'.43E.
(5) 07° 00'.53N 114° 00'.57E.
Operational Area.
(1) 06° 00'.33N 113° 00'.80E.
(2) 07° 00'.31N 112° 00'.85E.
(3) 07° 00'.28N 113° 00'.98E.
(4) 07° 00'.11N 114° 00'.15E.
(5) 06° 00'.59N 114° 00'.96E.
(6) 06° 00'.33N 113° 00'.80E.
 2. Vessels involved – MV Ramform Sovereign, MV Thor Modi, MV Nur Amanah and MV MYY Camellia.
 5. Wide berth requested.
 4. Charts affected: MAL 6, MAL 762 and MAL 781.
 5. Cancel this notice 01 May 23.
(WGS 84)
-

58(T)*/2023 MALAYSIA – Sarawak – South China Sea – Hydrographic Survey.

Source: National Hydrographic Centre.

Hydrographic Survey – 08 Mac 23 to 31 Dis 23. Area bounded by:

- (1) 04° 09'.00N 109° 59.82E.
- (2) 04° 30'.54N 110° 33.18E.
- (3) 04° 43'.88N 110° 53.76E.
- (4) 04° 43'.88N 111° 08.39E.
- (5) 04° 43'.93N 111° 34.49E.
- (6) 04° 30'.88N 111° 34.39E.
- (7) 04° 30'.79N 111° 54.86E.
- (8) 04° 50'.67N 111° 54.81E.
- (9) 04° 50'.62N 112° 25.61E.
- (10) 04° 50'.67N 113° 03.68E.
- (11) 04° 46'.24N 113° 03.67E.
- (12) 04° 48'.06N 113° 11.69E.
- (13) 04° 56'.71N 113° 49.70E.
- (14) 04° 45'.97N 114° 00.81E.
- (15) 04° 30'.31N 113° 47.16E.
- (16) 04° 19'.42N 113° 26.11E.
- (17) 04° 02'.63N 112° 57.74E.
- (18) 03° 55'.35N 112° 48.85E.
- (19) 03° 57'.99N 112° 34.53E.
- (20) 03° 56'.30N 112° 25.61E.
- (21) 03° 52'.33N 112° 19.59E.
- (22) 04° 03'.03N 112° 17.10E.
- (23) 03° 53'.19N 112° 05.18E.
- (24) 03° 56'.48N 112° 00.90E.
- (25) 03° 45'.95N 111° 37.45E.
- (26) 03° 38'.55N 111° 31.74E.
- (27) 03° 32'.86N 111° 31.74E.
- (28) 03° 27'.17N 111° 08'.36E.
- (29) 03° 20'.26N 110° 44'.38E.

- (30) 02° 59'.83N 110° 28'.43E.
- (31) 02° 38'.82N 110° 28'.50E.
- (32) 02° 34'.41N 110° 23'.22E.
- (33) 02° 42'.52N 110° 13'.10E.
- (34) 02° 31'.13N 110° 04'.83E.
- (35) 02° 29'.99N 110° 57'.27E.
- (36) 02° 40'.25N 109° 57'.98E.
- (37) 02° 37'.11N 109° 48'.14E.
- (38) 02° 59'.73N 109° 54'.60E.
- (39) 03° 34'.47N 109° 57'.45E.

- 2. Vessels involved – MV Danum 61 and MV Danum 62.
 - 3. Wide berth requested.
 - 4. Chart affected: MAL 6.
 - 5. Cancel this notice 01 Jan 24.
(WGS 84)
-

59(T)*/2023 MALAYSIA – Sarawak – W Oil Field D 35 – Exploration Drilling Activity.

Source: Sarawak Marine Department No. 26/2023(T).

- 1. Exploration Drilling Activity – 13 Mar to 24 Apr 23 at 03°48'.41N 111°53'.31E.
 - 2. Vessels involved – Rig Velestor Naga 3, MV JM Ehsan, MV Sealink 178 and MV Sealink 179.
 - 5. Wide berth requested.
 - 4. Chart affected: MAL 740.
 - 5. Cancel this notice 25 Apr 23.
(WGS 84)
-

60(T)*/2023 MALAYSIA – Sarawak – E Gugusan Beting Patinggi Ali – Jacket and Piles Substructure Installation.

Source: Sarawak Marine Department No. 28/2023(T).

- 1. Jacket and Piles Substructure Installation – 8 Mar to 30 Apr 23 at 04°58'.70N 112°58'.75E.
 - 2. Vessels involved – MV Kolga, Barge H-542, MV Kencana Makmur 1 and MV Icon Ikhlas.
 - 5. Wide berth requested.
 - 4. Charts affected: MAL 750, MAL 751 and MAL 762.
 - 5. Cancel this notice 01 May 23.
(WGS 84)
-

61(T)*/2023 MALAYSIA – Sarawak – Tanjung Sipang – Marine Route Survey.

Source: Sarawak Marine Department No. 30/2023(T).

- 1. Marine Route Survey – 26 Mar to 26 Apr 23. Positions as follow:
 - (1) 01° 43'.02N 110° 21'.28E.
 - (2) 01° 45'.64N 110° 23'.67E.
 - (3) 01° 46'.19N 110° 24'.53E.
 - (4) 01° 46'.48N 110° 24'.69E.
 - (5) 01° 53'.05N 110° 25'.10E.
 - (6) 01° 53'.04N 110° 25'.31E.
 - (7) 01° 46'.44N 110° 24'.91E.
 - (8) 01° 46'.04N 110° 24'.66E.
 - (9) 01° 45'.47N 110° 23'.81E.
 - (10) 01° 42'.88N 110° 21'.45E.
 - 2. Vessel involved – MV Bunga Laut 2.
 - 5. Wide berth requested.
 - 4. Charts affected: MAL 732 and MAL 731.
 - 5. Cancel this notice 27 Apr 23.
(WGS 84)
-

62(T)*/2023 MALAYSIA – Sarawak – SE Gugusan Beting Patinggi Ali – Soil Boring Investigation.

Source: Sarawak Marine Department No. 34/2023(T).

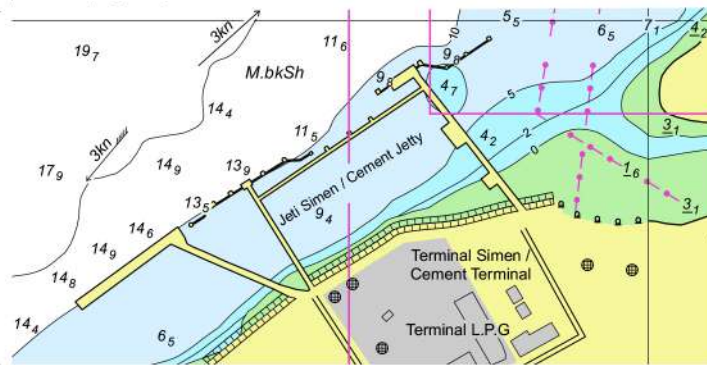
1. Soil Boring Investigation – 22 Mar to 7 May 23. Positions as follow:
 - (1) 04° 41'.79N 113° 15'.41E.
 - (2) 04° 42'.09N 113° 15'.56E.
 - (3) 04° 42'.35N 113° 15'.76E.
 - (4) 04° 42'.60N 113° 15'.98E.
 - (5) 04° 42'.68N 113° 15'.97E.
 - (6) 04° 42'.55N 113° 15'.97E.
 - (7) 04° 41'.15N 113° 15'.22E.
 2. Vessels involved – MV Cassandra VI and MV Sapura Wira.
 5. Wide berth requested.
 4. Charts affected: MAL 750, MAL 751 and MAL 762.
 5. Cancel this notice 08 May 23.
(WGS 84)
-

63(T)*/2023 MALAYSIA – Sarawak – NW Oil Field Bayan – Underwater Service.

Source: Sarawak Marine Department No. 29/2023(T).

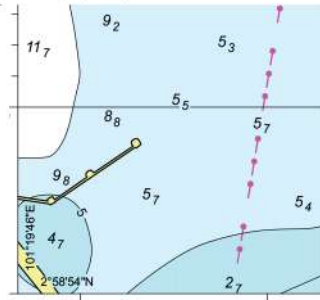
1. Underwater Service – 30 Mac to 18 Apr 23 at 04°38'.00N 112°18'.00E.
 2. Vessel involved – MV Sapura Jane.
 5. Wide berth requested.
 4. Charts affected: MAL 741 and MAL 751.
 5. Cancel this notice 19 Apr 23.
(WGS 84)
-

To Accompany Malaysian Notice 47 of 2023



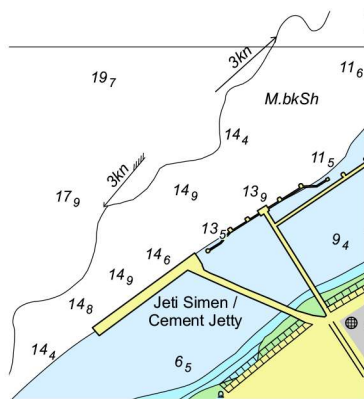
Block for Chart MAL 5307

To Accompany Malaysian Notice 47 of 2023



Block for Chart MAL 5307 (See Plan)

To Accompany Malaysian Notice NO : 47 of 2023



Block For Chart MAL 5259

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 of 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.....