

Kanazawa Port Safety Guide

1. Main Features of Kanazawa Port
2. Collection of Information concerning Ships using Kanazawa Port and Weather/Sea Conditions
3. In case of bad weather conditions
4. Important precautions for night time port entry or departure
5. Communication network in case of an accident or fire
6. Reference Material



April 2020

Kanazawa Port Council for Maritime Affairs

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Introduction

With the frequent use of Ohama Wharf (-13m) and increasing number of cargo containers at Kanazawa Port, it's becoming necessary to share information on navigation safety of vessels. This guidance is made for the purpose of enhancing vessels' safety at Kanazawa Port by compiling information that should be shared by users and relevant organizations, and distribute to them. With the increasing calls of large cruise ships at Kanazawa Port, the port is expected to be used more actively.

Thus, in addition to the conventional navigation safety for vessels' entry and departure, safety measures for large cruise ships determined last year have been newly included in the guidance.

1. Main Features of Kanazawa Port

1.1 Kanazawa Port Facilities

■ Breakwater / Passage / Berth

| Breakwater | Passage | Berth |
|-----------------------------|---|----------------------------------|
| Ono Nishi (West) 3,074m | Ono Width 200 ~ 330m (-10 ~ -12m), 2300m Onogawa River Width 30 ~ 149m(-2m), 4200m | Ono 977,051 m ² |
| Kanaiwa Nishi(West) 902m | Kanaiwa Width 20m(-2.5m), 1,250m | Kanaiwa 14,259 m ² |

※The “Passage” mentioned in the above chart does not indicate “Passage” of a Specified Port as prescribed in the Article 13 of the Port Regulations Act or “Passage” as prescribed in the Maritime Traffic Safety Act.

■ Mooring Facilities

| Name of the Facility | Depth | Length | Berthing Capacity | Remarks |
|--------------------------|--------------------|--------|---|-----------------------------------|
| Ohama Wharf | -12.0m (-13.0m) | 400m | 30,000D/W 1 Berth (20,000D/W 2 Berth) | -12.0m (In-service) |
| Tomizu Wharf | -10.0m | 370m | 12,000D/W 2 Berth | |
| Gokuden Wharf | -10.0m | 540m | 12,000D/W 3 Berth | |
| Muryoji Wharf | - 10.0m | 320m | Cruise Ships 10,000G/T class** 1 Berth | (Seismic resistant quay walls) |
| Muryoji Jetty | - 5.5m | 270m | 2,000D/W 3 Berth | |
| Sekiyu (Crude Oil) Wharf | - 7.0m | 600m | 5,000D/W 6 Berths | |
| Ono Wharf | - 4.5m | 180m | 1,000D/W 3 Berths | |
| Gorojima Wharf | - 9.0m | 240m | 10,000D/W 1 Berth | |
| Landing Place | -2~4m | 2,599m | — | |
| Total | | 5,449m | 1,000~30,000D/W 22(23) Berths | |

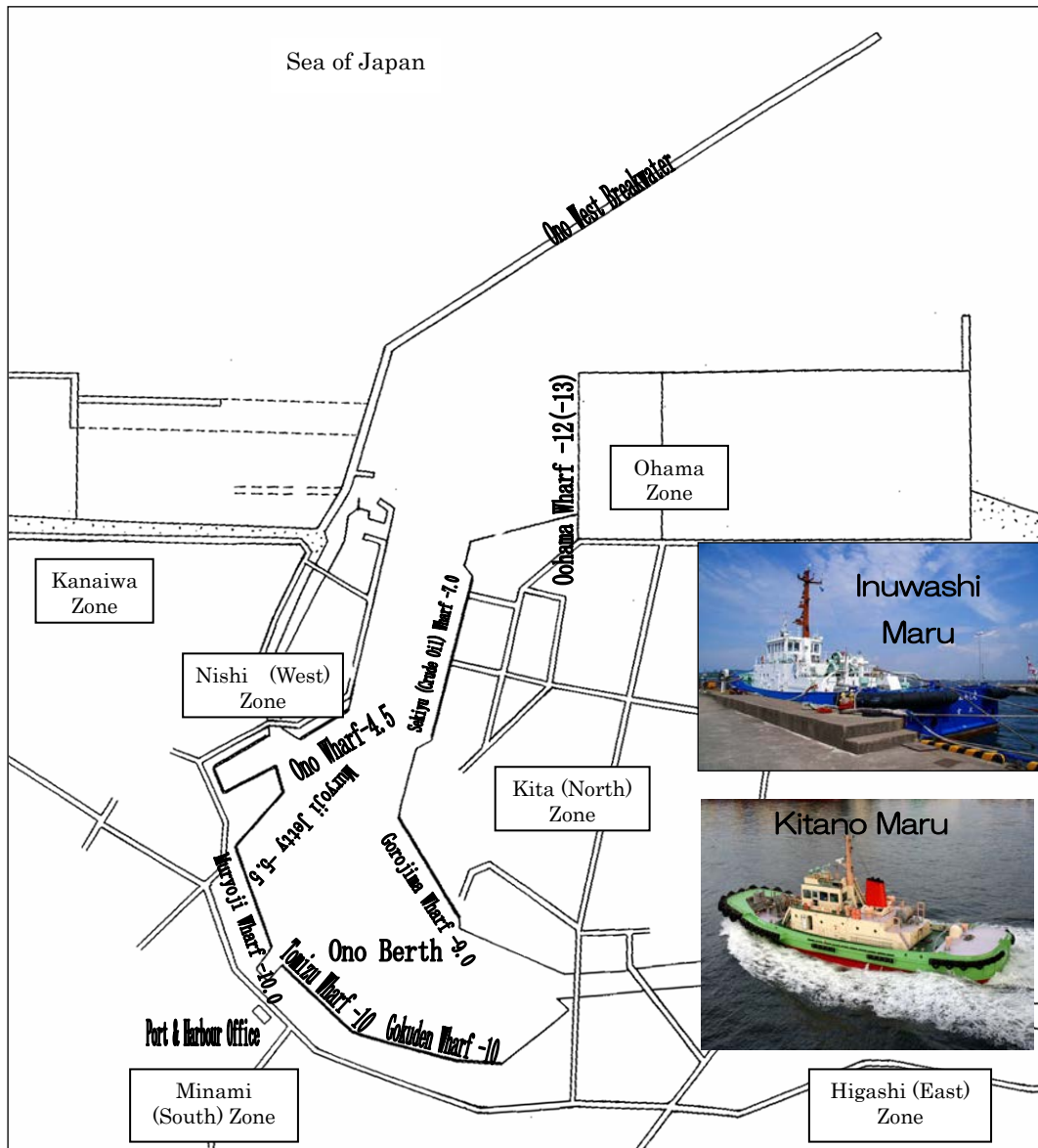
※The Cruise Ships capable of turning within 470 m

■ Tugboats

| Name of the Boat | Type | Gross Tonnage | Sail Area | Ownership |
|------------------|--|---------------|------------|---------------------|
| Inuwashi-Marui | Steel Diesel Engine 2,700PS (1,350PS× Twin) | 151.0 tn. | Flat Water | Ishikawa Prefecture |
| Kitano-Marui | Steel Diesel Engine 3,600PS (1,800PS× Twin) | 196.0 tn. | Flat Water | Ishikawa Prefecture |

(Source : PORT OF KANAZAWA 2018)

Summary Map of Kanazawa Port Facilities



Customs Act: Open Port

Immigration Control and Refugee Recognition Act : Port of Entry and Departure

(A "Port of Entry and Departure" is a harbor or an airport, as established by the Ministry of Justice, from which a non-Japanese national may enter or leave the country)

Quarantine Act : Quarantine Port

Act on Domestic Animal Infectious Diseases Control

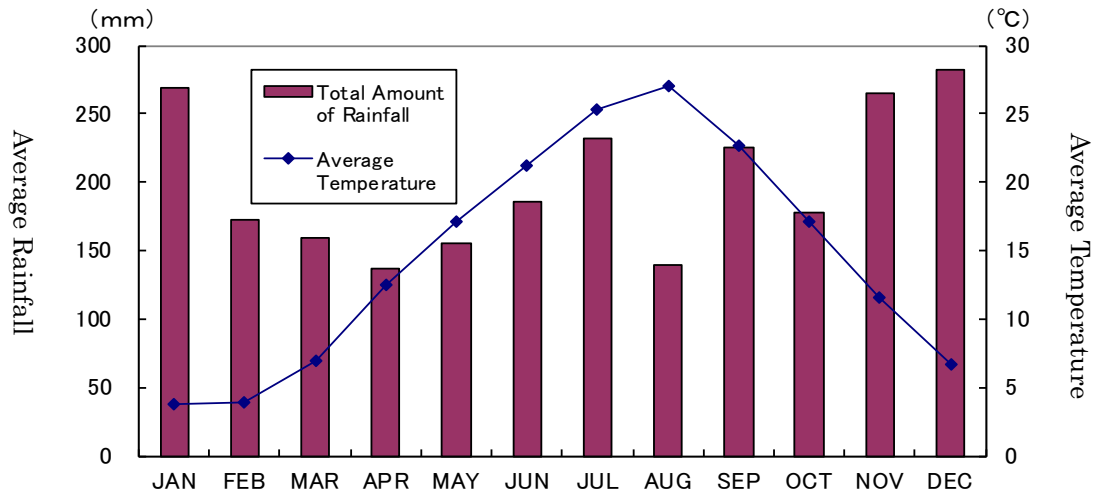
(Animal Quarantine) : Designated Port

Plant Protection Act (Plant Quarantine) : Designated Port

SOLAS Sectors : Ohama Wharf, Sekiyu Wharf, Gorojima Wharf,

1.2 Climate

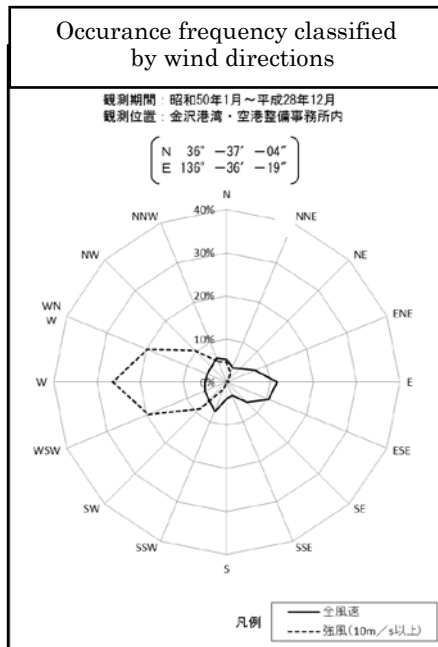
Average Temperatures and Total Rainfall (1981~2010)



(Source : Kanazawa Regional Meteorological Observatory)

The north-eastern region (Fukui Pref. and north of Fukui) of Ishikawa gets heavy snowfall during the winter season producing a high precipitation, resulting in comparatively high levels of humidity. The impact of the seasonal winds is felt most during the winter, since Ishikawa faces cold and heavy snowfall during this season. The north-westerly and northern winds are also quite strong, resulting in occasional blizzards. The levels of precipitation are especially high during the winter as sunny days are few during this season and the snowfall also tends to be heavy.

1.3 Wind Conditions



(Source : PORT OF KANAZAWA 2018)

- ① E winds amount to more than 12% of the all prevailing wind directions, followed by ESE winds which amount to 11% .
- ② In case of the occurrence frequency for strong winds (when the wind speed is 10m/s or more) based on directions, W winds amount to little less than 25% of all the strong winds, followed by WNW winds which amount to more than 20%. (Source: PORT OF KANAZAWA 2010)

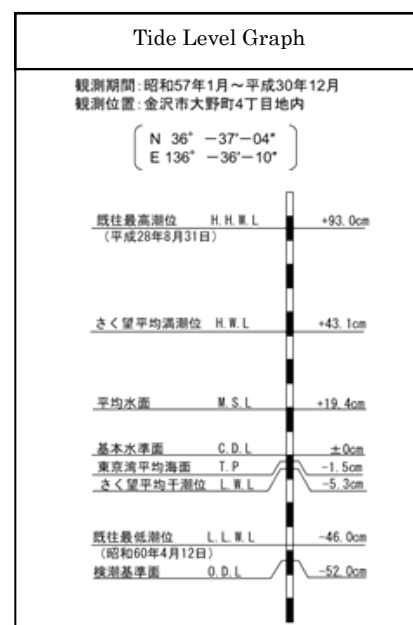
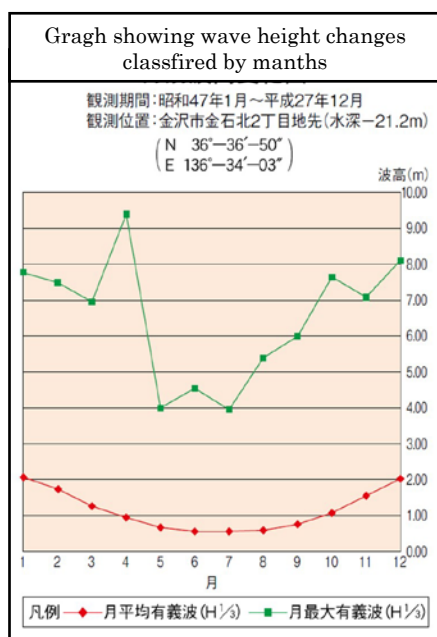
The northwesterly seasonal winds resulting from an atmospheric pattern marked by a high pressure system to the west and a low pressure system to the east are prominent in the areas around Sea of Japan. Summer is marked by frequent Southwesterly or Southerly winds, although these winds are not so strong; there are some coastal areas where local winds or sea and land breeze occurrences can be seen.

(Source : "Sailing Directions for Northwest Coast of Honshu" (Published March2002, by Maritime Safety Agency)

1.4 Sea Conditions

The statistics related to waves based on height and months indicate that rate of occurrence of waves with a height of 150 m or more is the highest from the months of November to March; the concentration of such high waves is especially high from December to February.

Monthly Maximum Significant Wave Height ($H_{1/3}$) is especially high from October to March and high waves occur during the winter season when the Northwesterly winds are prominent.



Among all the 5 wave directions, the frequency of occurrence of NNW outside the port waters is quite high in winter as well as through the year in general.

The Frequency of Occurrence of Waves Classified by Directions (%)

| Category | Direction of Waves | | | | | Total |
|----------|--------------------|-------|-------|-------|------|--------|
| | N | NNW | NW | WNW | W | |
| Annually | 23.31 | 31.70 | 21.37 | 13.70 | 9.92 | 100.00 |
| Winter | 14.76 | 37.45 | 30.72 | 12.35 | 4.72 | 100.00 |

(Note) The total occurrence of frequency of 5 wave directions calculated as 100%

(Source : Kanazawa Port, Port & Harbour Environment Survey, 2001 (Forecast & Evaluation Survey) Commissioned 「Calmness Degree Analysis & Survey Chapter」 Report March 2002 (Port & Harbour Office, Kanazawa, Ishikawa Prefecture)

2 . Collection of Information concerning Ships using Kanazawa Port and Weather/Sea Conditions

Please make sure to obtain necessary information concerning the ships using Kanazawa Port as well as information related to weather and sea conditions.

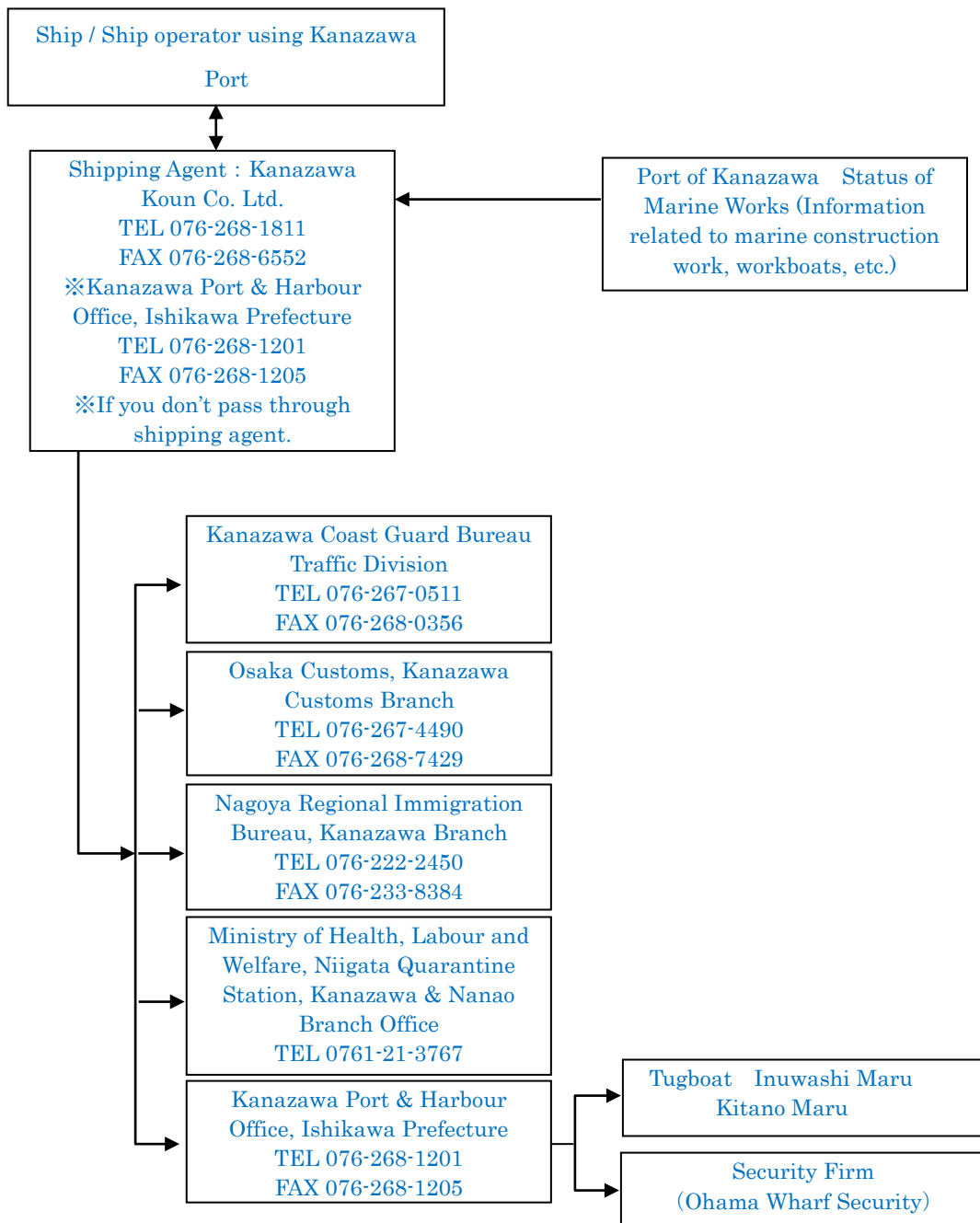
2.1 Information regarding ships entering and leaving the port

Every ship (or shipping company) must keep a sharp lookout and make sure to grasp the movements of ships with the help of radar or AIS; all the ships must also collect information regarding ships entering or leaving the port and as well as information related to any workboats that might be involved in any marine construction operations in the port; all the ships must also make sure to grasp the movements of ships at Kanazawa Port and coordinate with other vessels in the port when necessary.

(AIS)

- AIS is short for Automatic Identification System.
- AIS is a type of Automatic Dependent Surveillance-Broadcast (ADS-B) system; the system is used to improve the safety of vessel traffic by broadcasting navigation related information such as the name and position of each respective vessel on a VHF band regularly. AIS also makes it possible to display the information received from other vessels on electronic navigational charts.
- All the passenger ships and the ships engaged in international voyages with a tonnage of 300 tonnes or more as well as the ships that are not engaged in international voyages but that weigh 500 tonnes or more are required to equip themselves with AIS in accordance with the conditions of the revised SOLAS Agreement.

Contact Information Chain for the Ships Entering or Leaving Kanazawa Port



2.2 Collection of information concerning weather and sea conditions

It is possible to obtain information related to climate and sea conditions at Kanazawa Port by accessing the following website.

- ① NOWPHAS (Nationwide Ocean Wave information network for Ports and Harbours)

<http://www.mlit.go.jp/kowan/nowphas/>

- This coastal wave information network was constituted through mutual cooperation among the following organizations:
Ports & Harbour Bureau, Ministry of Land, Infrastructure, Transport & Tourism (MLIT), Regional Development Bureaus, Hokkaido Development Bureau, Okinawa General Administrative Office, National Institute for Land & Infrastructure Management, Port & Airport Research Institute.
- Important Information: Significant Wave Height & Period, Frequency-banded Wave Energy; Tide Level & Mean Sea Level at offshore .



②COMEINS

(A Real-Time Oceanographic and Meteorological Information Distribution System, Wave Information Division, Coastal Development Institute of Technology)

<http://comeins.jp/Login.html>

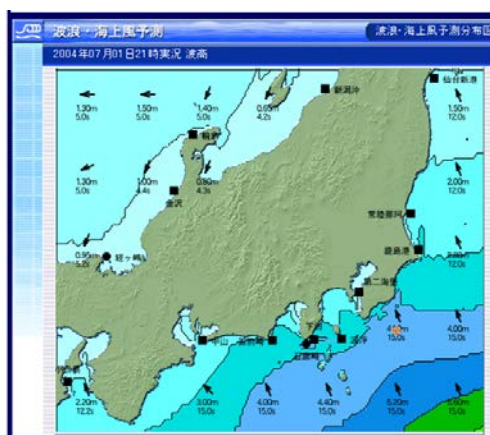
COMEINS offers pay-per-use processed information of climate and marine conditions on a 24 hour on-line and real-time basis.

(For Inquiry :

Wave Information Division, Coastal Development Institute of Technology

TEL : 03-3234-5862,

mail: harou@cdit.or.jp)



③ Kanazawa Coast Guard Office
Marine Safety Information

<http://www6.kaiho.mlit.go.jp/09kanku/kanazawa/>

- Coastal weather information distributed through Kanazawa Coastal Area Information System.
- Important Information :
- Winds directions, wind speed, atmospheric pressure as observed at the Ono Lighthouse; Weather and sea conditions near Kanazawa Port such as areas around Hegurajima Lighthouse, Echizen-misaki Lighthouse, etc.
- Status of any construction work at the port, sea route reports



④ Kanazawa Regional Meteorological Observatory, Disaster Prevention & Weather Information

<http://www.jma-net.go.jp/kanazawa/>

- Weather information published on the website of Kanazawa Regional Meteorological Observatory.
- Important Information : Marine Warnings, Information about Typhoons, Weather Forecast, etc.



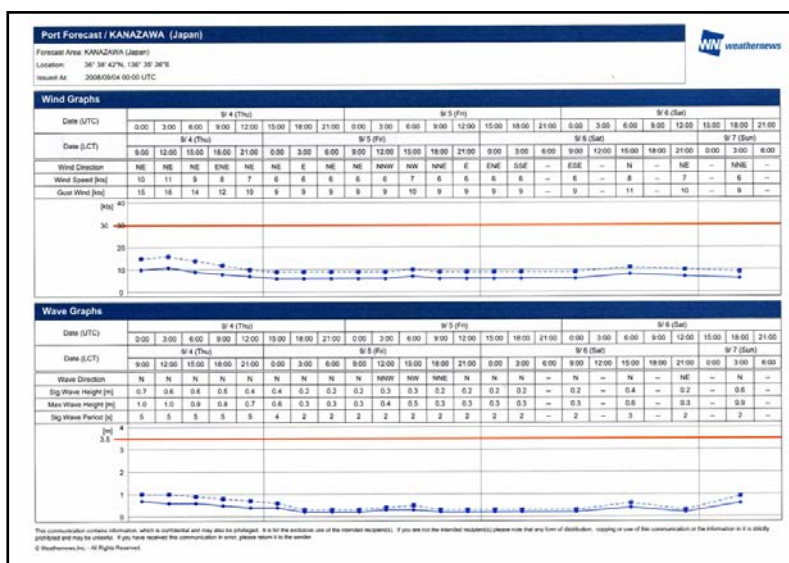
⑤ Wind Direction & Speed Observation Record at Ohama Wharf

- Information related to wind directions and speed, as managed and recorded by Kanazawa Port & Harbour Office
- Important Information : Wind direction, speed and atmospheric pressure at Kanazawa Port as observed at Ohama Wharf.

⑥Weather News

<http://weathernews.jp/>

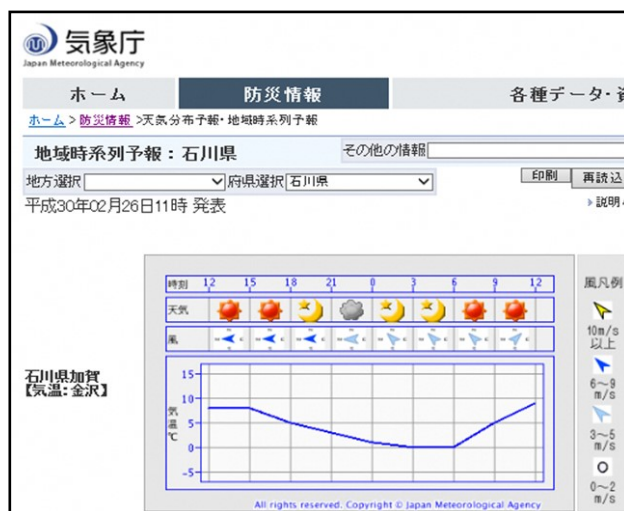
- An internet service that offers information related to weather and marine conditions at Kanazawa Port (pay-per-use).
- Important Information : Wind directions, Wind Speed, Wave Directions, Wave Height, Periodic Cycles, etc.



⑦Japan Meteorological Agency

Disaster information

- <http://www.jma.go.jp/jp/jikei/325.html>
- Weather forecast distribution, regional time-series forecast information
- Main information: forecasts of weather, wind direction, wind speed, etc.



⑧Ishikawa Prefecture's disaster prevention and weather information

- <http://www.micosfit.jp/ishikawa.pref/>
- Various information Ishikawa Prefecture is collecting, general weather information
- Local weather forecast by the Japan Weather Association
- Main information: marine warnings, typhoon information, forecasts of weather, wind direction, wind speed, etc.

石川県防災気象情報

最新注意警報発表状況

加賀では、20時までに地震の被害による死者の発生はございません。

| 地域 | 加賀北部 | 加賀西部 | 加賀南部 | 加賀東部 |
|----|------|------|------|------|
| 加賀 | 加賀北部 | 加賀西部 | 加賀南部 | 加賀東部 |
| 加賀 | 加賀北部 | 加賀西部 | 加賀南部 | 加賀東部 |

災害防止の注意

一部施設は、台風被害防止の観点からシステムを停止して入庫した全ての情報について、無断転載や二次利用することはできません。気象現象は瞬間で変化する可能性があります。予報については不確定な場合があります。本情報の利用により発生した損害について、弊社ではいかなる責任も負わないものとしますので、ご了承ください。

石川県防災気象情報

気象庁発表

2024年09月26日(木) 08:00

| 日 | 時 | 天気 | 気温 | 湿度 | 風速 | 風向 | 気圧 | 雲 |
|----|----|----|-----|-----|----|----|--------|---|
| 01 | 0 | 晴 | 40 | 85 | 東 | 5 | 1013.0 | 0 |
| 02 | 1 | 晴 | 43 | 88 | 東 | 5 | 1012.5 | 0 |
| 03 | 2 | 晴 | 47 | 91 | 東 | 4 | 1012.0 | 0 |
| 04 | 3 | 晴 | 51 | 93 | 東 | 4 | 1011.5 | 0 |
| 05 | 4 | 晴 | 55 | 95 | 東 | 4 | 1011.0 | 0 |
| 06 | 5 | 晴 | 59 | 97 | 東 | 4 | 1010.5 | 0 |
| 07 | 6 | 晴 | 63 | 99 | 東 | 4 | 1010.0 | 0 |
| 08 | 7 | 晴 | 67 | 101 | 東 | 4 | 1009.5 | 0 |
| 09 | 8 | 晴 | 71 | 103 | 東 | 4 | 1009.0 | 0 |
| 10 | 9 | 晴 | 75 | 105 | 東 | 4 | 1008.5 | 0 |
| 11 | 10 | 晴 | 79 | 107 | 東 | 4 | 1008.0 | 0 |
| 12 | 11 | 晴 | 83 | 109 | 東 | 4 | 1007.5 | 0 |
| 13 | 12 | 晴 | 87 | 111 | 東 | 4 | 1007.0 | 0 |
| 14 | 13 | 晴 | 91 | 113 | 東 | 4 | 1006.5 | 0 |
| 15 | 14 | 晴 | 95 | 115 | 東 | 4 | 1006.0 | 0 |
| 16 | 15 | 晴 | 99 | 117 | 東 | 4 | 1005.5 | 0 |
| 17 | 16 | 晴 | 103 | 119 | 東 | 4 | 1005.0 | 0 |
| 18 | 17 | 晴 | 107 | 121 | 東 | 4 | 1004.5 | 0 |
| 19 | 18 | 晴 | 111 | 123 | 東 | 4 | 1004.0 | 0 |
| 20 | 19 | 晴 | 115 | 125 | 東 | 4 | 1003.5 | 0 |
| 21 | 20 | 晴 | 119 | 127 | 東 | 4 | 1003.0 | 0 |
| 22 | 21 | 晴 | 123 | 129 | 東 | 4 | 1002.5 | 0 |
| 23 | 22 | 晴 | 127 | 131 | 東 | 4 | 1002.0 | 0 |
| 24 | 23 | 晴 | 131 | 133 | 東 | 4 | 1001.5 | 0 |
| 25 | 24 | 晴 | 135 | 135 | 東 | 4 | 1001.0 | 0 |

3. In case of a bad weather

Please take following precautions and secure your safety in case the weather turns bad (Gale warning etc. issued in SEA OFF NOTO.) or if there is a forecast of bad weather at Kanazawa Port.

3.1 Navigating into Kanazawa Port

(1) Make an appropriate navigation plan.

If the weather near the sea area around Kanazawa Port turns bad or if there is a forecast of bad weather when your ship is on your way to Kanazawa Port, then please make an appropriate navigation plan upon consultations with the operation manager and give sufficient consideration to the navigational safety of the vessel; you are requested to enter the port of Kanazawa directly or get to the shore without waiting off the coast of Kanazawa Port.

(2) Please wait at a safe anchorage or berth.

If your ship is expected to arrive earlier than scheduled at the time of rough weather, then please try to wait at an anchorage other than Kanazawa Port or drift about outside the territorial waters and adjust the timing of your entry into the port.

The quarantine anchorage located off Kanazawa Port's west side breakwater can be used as a bad weather refuge anchorage, however, there is a danger of dragging anchor if the weather is rough; therefore, we recommend Maizuru Bay or Tsuruga Bay if the ship is to be anchored in the west area of Kanazawa Port. If you want to anchor the ship in the east side of Kanazawa, then we recommend you to use Iida Bay, Nanao South Bay, Sadogashima off Akadomari, Sadogashima Ryotsu Bay. However, there are many fixed fishing nets laid out in Iida Bay and Nanao South Bay, so please avoid any attempts at refuge anchorage in the night time. In addition to this, it is also possible to use Toyama Bay if you want to allow the ship to drift.

In case of taking a refuge in any of the above sea territories, all foreign (registered) ships are required to file an application for emergency port entry.

In case of using any of the ports as an anchorage location, make sure to take into consideration the wind directions and wave conditions before selecting an appropriate location.

(3) Please pay attention to your surroundings when your ship is anchored.
Please pay sufficient attention to the positions of fixed fishing nets, rocky reef, etc. while mooring at an anchorage.

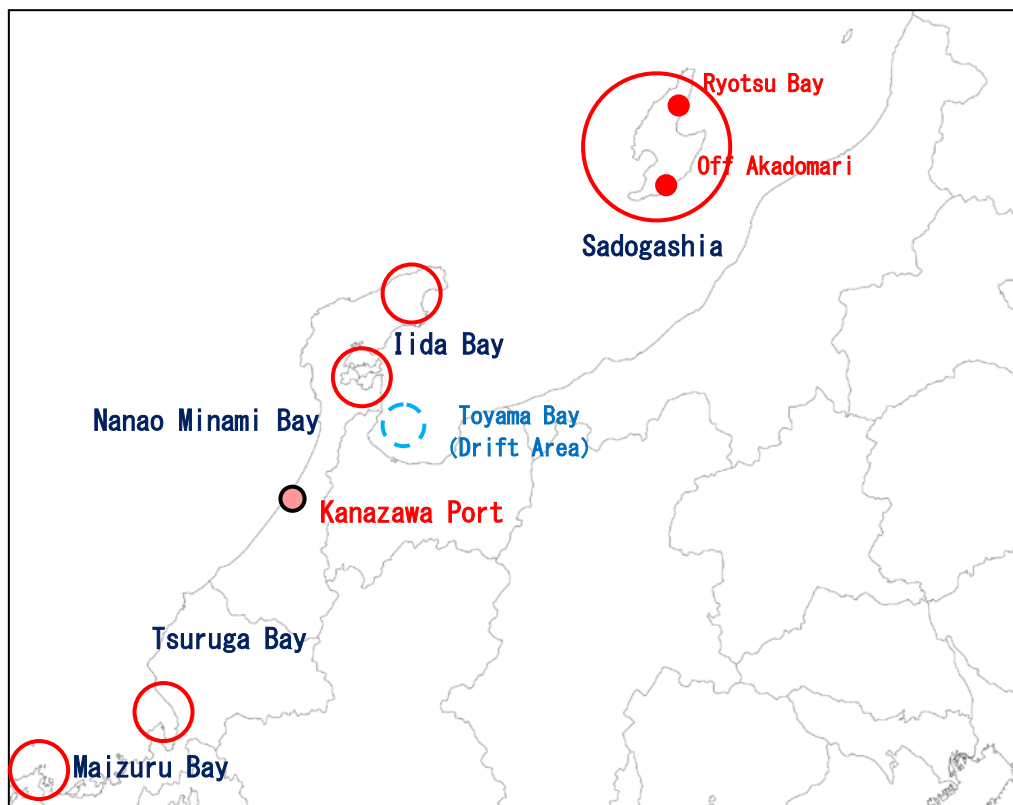
【Fore Reference : Anchoring locations near Hokuriku region】

① Anchorage Location Map

Some of the appropriate anchorage locations are given in the map below. These locations are: Maizuru Bay, Tsuruga Bay, Nanao South Bay, Iida Bay and Sadogashima. Please collect sufficient information regarding the local weather and marine conditions before deciding about an appropriate anchoring location since an anchorage location described in the map may or may not be suitable depending upon the direction of the wind and condition of waves.

Moreover, all the ships are advised to exercise caution towards fixed fishing nets and reefs; please make sure to obtain sufficient information about the local conditions with the help of the marine charts or from the nearest coast guard office (Maizuru Hoan Coast Guard, Niigata Hoan Coast Guard) and all the foreign registered ships are advised to complete the formalities necessary for an emergency entry.

※Maizuru Hoan/ Niigata Hoan : Radio Calling Code (international VHF) for the respective coast guard offices

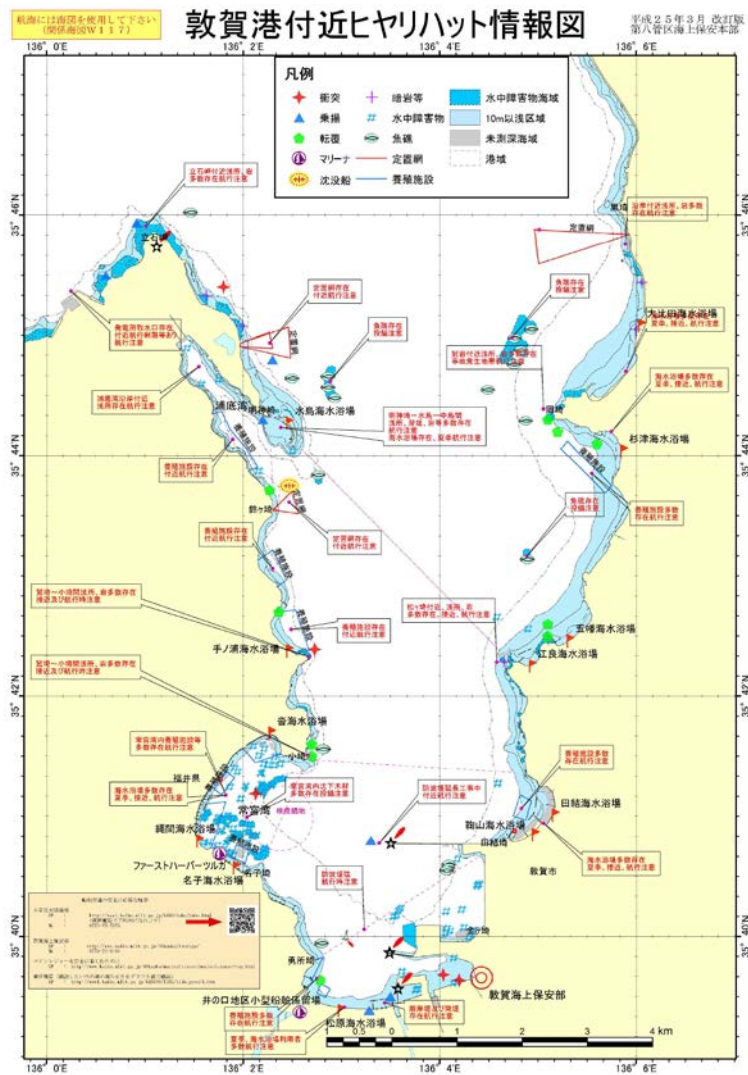


②An example of the local information map describing the locations of fixed fishing nets and other phenomenon

Please see the “Tsuruga Information Map” & “Ishikawa, Toyama, South Niigata Fixed Fishing Equipment Sites Map” as given below. These maps are from the website of the 6th and 9th Regional Headquarters of Japan Coast Guard (Each respective Hydrographic and Oceanographic Department)

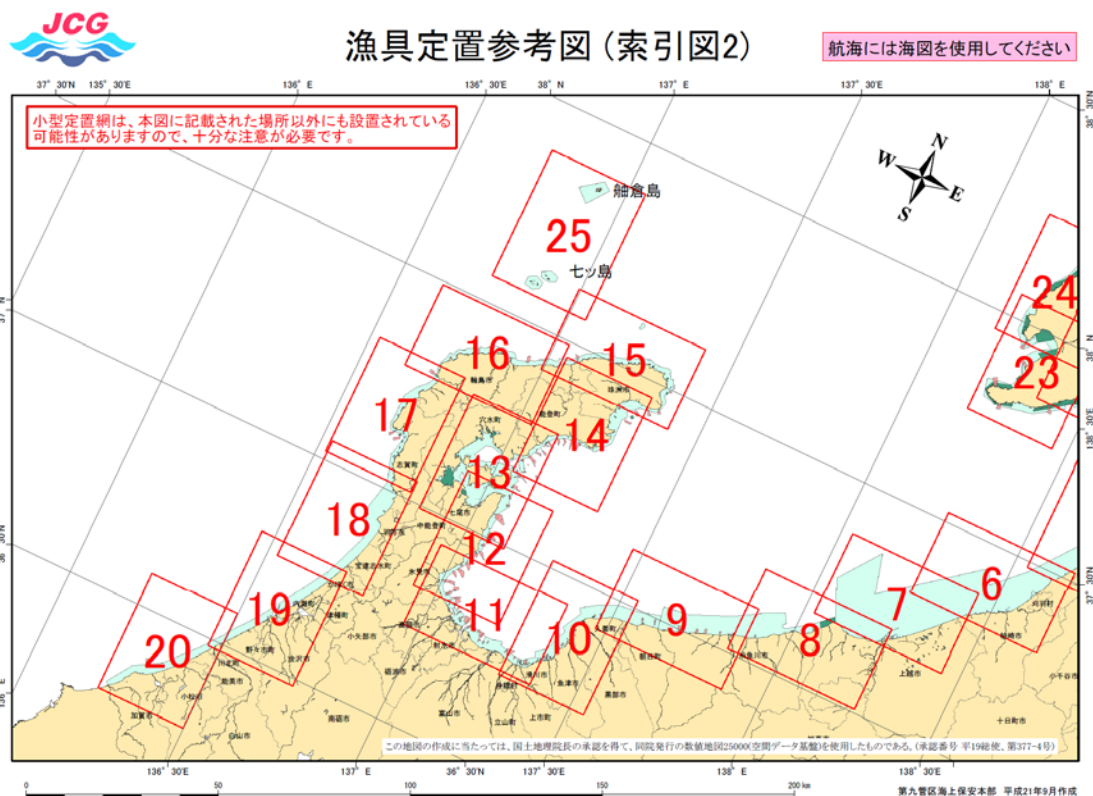
In case of anchorage, refer to the hydrographic charts or the information obtained from Maizuru Hoan or Niigata Hoan (International VHF Calling Code) besides obtaining the latest information related to the port waters.

Chart ① Tsuruga Information Map



http://www1.kaiho.mlit.go.jp/KAN8/jouhou/tsuruga_ko.pdf

Figure ② A reference map of the fixed fishing net(set-net)installations in areas of South Niigata,Ishikawa and Toyama



詳細 <http://www1.kaiho.mlit.go.jp/KAN9/map/9FISH/9fish-top.htm>

新潟県・富山県・石川県の漁具定置参考図

- 本図は、新潟県、富山県及び石川県の定置漁業権区域、区画漁業権区域及び共同漁業権区域の情報を掲載しています。
- 航海の安全のために、自船の予定航路上の漁具の確認にご利用ください。
- 本図は、**直接、航海には使用しないでください。**
- 本図は、**地図の精度上誤差**を含んでいます。
- 掲載内容は、予告せず変更する場合があります。

[\(更新履歴\)](#)

- 閲覧方法 (1) 下記の「[漁具定置参考図](#)」をクリックしてください。
 (2) 索引図の赤枠内の番号(赤色)をクリックすると、指定した図にジャンプします。

(※) 本図は、PDFファイル形式で作成していますので、閲覧するには、**Adobe Reader**が必要です。
 本図は、A3サイズで作成していますので、印刷する場合、A3サイズでの印刷を推奨します。

[漁具定置参考図\(約5MB\)](#)

Please click here to see a detailed map of the required sea area

[漁具定置参考図について\(解説と凡例\)\(PDFファイル形式 A4サイズ\)](#)

<http://www1.kaiho.mlit.go.jp/KAN9/map/9FISH/9fish-top.htm>

(2) Please make sure to report to the agencies concerned and collect information.

If the ship's operation plan happened to change due to circumstances such as a refuge at an anchorage, while the ship was on its way to Kanazawa Port, contact your shipping agency as quickly as possible and let the agency know about your refuge anchorage, new navigating schedule, etc.

○ Contact Information of Shipping Agent

| Kanazawa Port Shipping Agency | Address | Postal Code | Telephone |
|----------------------------------|---|-----------------------------|---|
| Kanazawa Koun Co., Ltd. | (Head office) Muryoji Ri-bu 65, Kanazawa | (Head office) 920 - 0332 | (Head office) 076-268-1811 (TEL) 076-268-6552 (FAX) |
| | (Agency) Tikaoka 613, Kanazawa | (Agency) 920 - 8217 | (Agency) 076-256-0542 (TEL) 076-256-0544 (FAX) |

In addition to the above, please inform the nearest operation command center of the regional coast guard (6th Regional Headquarter of “Maizuru Hoan” / 9th Regional Headquarter of “Niigata Hoan”) by international VHF (CH 16) calling code about the ship's refuge location and collect information regarding weather and marine conditions.

In case of an emergency refuge anchorage, all the foreign registered ships must apply for emergency entry in advance.

※Please refer to the Emergency Contact Chain Chart on page 23 for the contact information about respective regional coast guard offices.

(3) When the port is on an alert status, all the ships shall obey the relevant instructions and implement the required measures.

In case of a typhoon, abnormal conditions due to developed low atmospheric pressure systems or approaching *tsunami*, Kanazawa Port Typhoon Tsunami Measures Council would issue a ‘warning’ or “1st/ 2nd Alert Status.

In such cases, the shipping agency will inform the ships about the measures as mentioned in the “Implementation Procedures of Kanazawa Port Typhoon and Tsunami Measures Council” given in Reference Material 3”; All the ships shall abide

by the Council's measures and follow any other instructions issued by Kanazawa Port Typhoon and Tsunami Measures Council.

3.2 In case of bad weather conditions in the vicinity of Kanazawa Port

(1) Please coordinate with all the agencies concerned.

Please coordinate closely with the shipping agency when you enter Kanazawa Port, irrespective of the status of weather and sea conditions; all the ships are also requested to make an effort in obtaining information such as wave conditions in the port, wind speed, movements of other ships and so on.

※ The contact information for the shipping agency is given on page 17 of this guide book.

(2) When the port is on an alert status, all the ships are requested to obey the relevant instructions and implement the required measures. (Refer to the attached sheet for details)

In case of a typhoon, abnormal conditions due to developed low atmospheric pressure systems or approaching *tsunami*, Kanazawa Port Typhoon Tsunami Measures Council would issue a 'warning' or "1st/ 2nd Alert Status.

In the above cases, the shipping agency will inform the ships about the measures as mentioned in the "Implementation Details of Kanazawa Port Typhoon and Tsunami Response Council" given in Reference Material 3"; All the ships shall abide by the Council's measures and follow any other instructions issued by Kanazawa Port Typhoon and Tsunami Response Council.

(3) Please avoid anchoring in the off-shore waters.

Anchorage inside the west side breakwater area of Kanazawa Port is not allowed. Moreover, there is a danger of anchor dragging as Kanazawa Port faces the open ocean directly and there are factors such as deep waters, sediment material, etc. As the off-shore west side breakwater area of Kanazawa Port is not suitable for anchorage, please avoid anchorage there.

Moreover, if a ship cannot enter Kanazawa Port due to unfavourable weather or sea conditions (rough weather), please refer to "3.1 navigating into Kanazawa

Port” and find a harbourage at a safe anchorage location other than Kanazawa Port.

It is necessary for the foreign ships to apply for a permission to enter the port under emergency conditions (Entry into port under “Force Majeure”) if such a foreign ship is seeking harborage (for anchorage) at Kanazawa Port.

If a ship is forced to take a refuge off the port of Kanazawa, it is requested that the ship should take a refuge in the area of the sea that is at a safe distance from the coast. Moreover, foreign ships are also requested to take refuge in the area of the sea that is outside the territorial waters (12 nautical miles or more from the coast).

(Note 1)

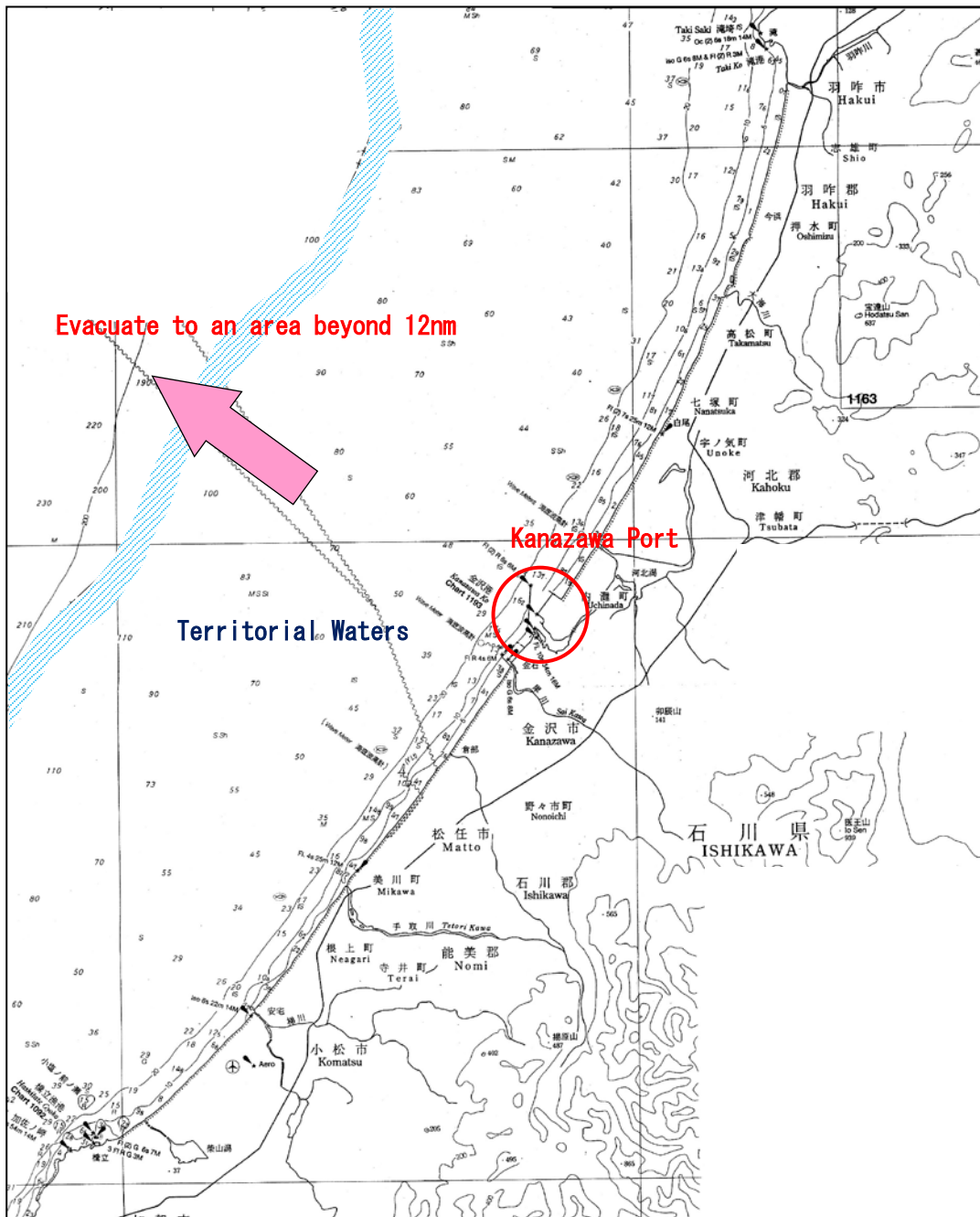
It is possible that ships may be requested to evacuate to an area which is 30 ~ 50 nautical miles or more off the coast in order to secure the safety of the ship.

(Note 2)

Foreign ships are not allowed to make stopovers when they are underway, or drop anchor or wander within the territorial waters (12 nautical miles or more from the coast) in accordance with the provisions of Act on Navigation of Foreign Ships through the Territorial Sea and Internal Waters (except in the case of entry under Force Majeure)

Therefore, in case a foreign ship seeks refuge off the port of Kanazawa, these all such foreign ships are requested to take refuge in a safe are of the sea outside the territorial sea waters.

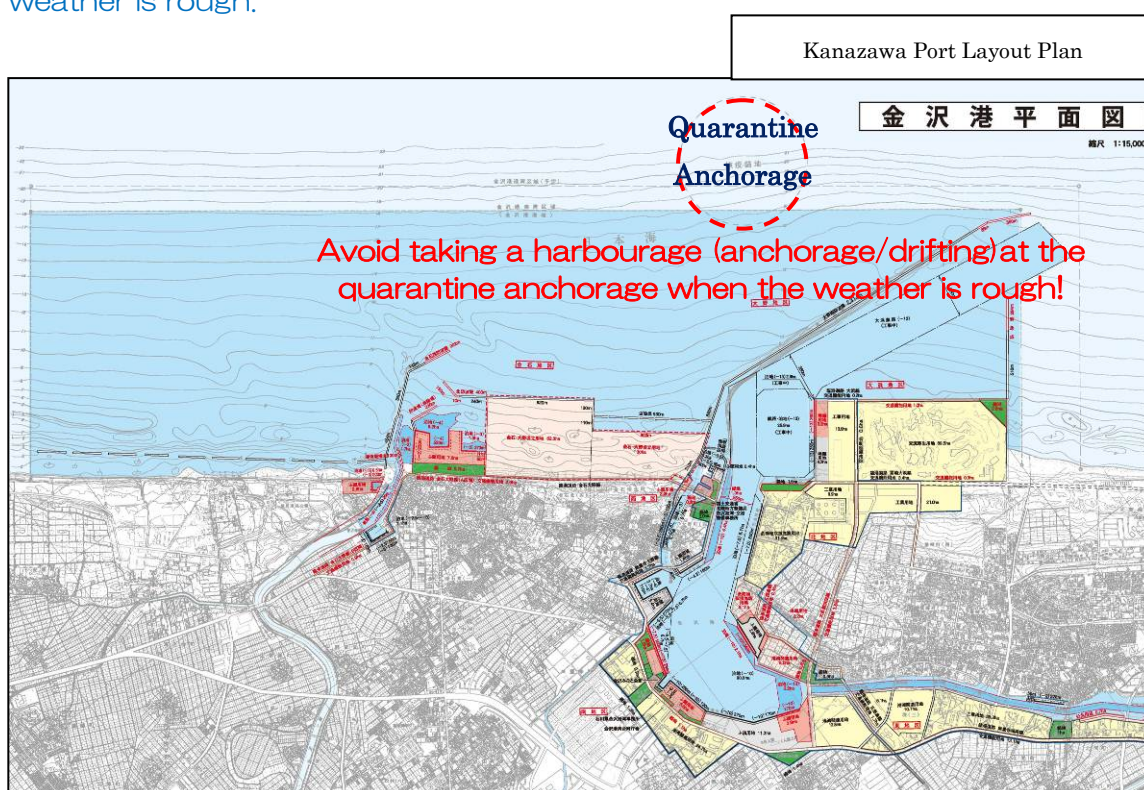
○ In case of a foreign ship seeking refuge off the Port of Kanazawa



Foreign ship's refuge off the Kanazawa Port

(4) A quarantine anchorage cannot be used as a harborage in case of a rough weather.

The anchorage off the west-side breakwater area of Kanazawa Port is a designated quarantine anchorage, meant only for conducting quarantine procedures. This area is not suited to the anchorage as the sediment in this area of the sea is of a sandy type and there is a high risk of dragging anchor when the weather is rough.



(5) Please contact “Niigata Hoan” in case of an emergency such as engine trouble or any problems.

If your ship is unable to operate due to engine failure, make sure to Contact “Niigata Hoan” on international VHF immediately; please contact the shipping agency and take all other necessary measures to secure the safety of the ship.

However, if there is no time for above measures, drop the anchor immediately and avoid the danger.

Moreover, if your ship is forced to anchor in a bay, you are requested to make sure that your ship does not create any obstacles for any of the port facilities or the navigation of other ships.

3.3 Important Precautions for Mooring

(1) Please coordinate with all the agencies concerned.

Irrespective of the weather and sea conditions, ships entering or leaving the port of Kanazawa are requested to avoid competing (for space, rout, etc.) with other ships entering or leaving Kanazawa in the areas that lie on their navigation routes or the surrounding area. To ensure safety during entry and departure, please consult and coordinate with the shipping agency and other parties concerned.

In order to ensure safe maneuvering of the ship by obtaining all the important information regarding weather and sea conditions, you can request to put a piloting person, with a detailed knowledge of Kanazawa Port, on board your ship or you can make a request for the support of a tug boat, if you find it necessary; such a request should be made as early as possible.

※The maritime piloting service will be provided by Nanao Maritime Pilots' Branch, Maritime Pilot Association.

Furthermore, all ships and vessels are requested to give the maximum consideration to the navigational safety, whenever the ships receive any instructions or advice from the Coast Guard.

(2) When the port is on an alert status, all the ships are requested to obey the relevant instructions and implement the required measures. (Refer to the attached sheet for details)

In case of a typhoon, abnormal conditions due to developed low atmospheric pressure systems or approaching *tsunami*, Kanazawa Port Typhoon Tsunami Measures Council would issue a 'warning' or "1st/ 2nd Alert Status.

In the above cases, the shipping agency will inform the ships about the measures as mentioned in the "Implementation Details of Kanazawa Port Typhoon and Tsunami Response Council" given in Reference Material 3" ; All the ships are requested to abide by the Council' s measures and follow any other instructions issued by Kanazawa Port Typhoon and Tsunami Response Council.

(3) Please take all the necessary safety precautions when the ship is moored.

① Communication status in times of bad weather.

- To ensure the safety of the ship, keep a careful watch even when the ship is moored and be prepared for a speedy evacuation from the port whenever the situation requires the ship to take refuge outside the port.
- All ships are requested to continue obtaining information related to weather and sea conditions as well as keep a security staff on board even during the time when the ship is moored, so that it is possible to shift to an emergency status at any given time.
- Weather can turn bad when the ship is moored at the port, so if your ship requires mooring rope handling crew or a tugboat or any other measures to secure the safety of the ship, please contact the relevant parties as early as possible.
- In case of an emergency, please refer to the “Emergency Contact List” on the page 23 of this manual.
- The captain of the anchored ship is responsible for the ship’s safety; however, if the Captain leaves the ship for inevitable reasons, the first officer shall be put into charge of ship’s safety and the security. Thus it is necessary that the captain determines the person-in-charge before leaving the ship and it is necessary that such a person is in a position to contact the captain at all times.

② Strengthening of Mooring/Anchoring Ability

- In case of moored vessels, even if refuge outside the port in a case of bad weather is deemed unnecessary, it is recommended that all the ships consider the safety measures and keep the ship in a good condition by increasing mooring cables, adjusting the mooring cables, modifying the trim and inclination of vessel by adjusting the ballasts or by increasing displacement, etc.

③ Refuge off the Port

Captain of the ship shall make an overall decision regarding weather, sea, port, ship and other conditions and consult the concerned parties before leaving the port

to take refuge.

When it becomes necessary to take a refuge in the off-shore waters outside the port, please take evacuate to an area of the sea which is at a sufficient distance from the coast.

Furthermore, when a foreign ship has to evacuate in the off-shore waters of the port, such foreign ships are requested to take refuge in the area of the sea that is outside the territorial waters (12 nautical miles or more from the coast) and in a safe sea area that is sufficiently away from the coast, as described in “3.2 In case of bad weather conditions in the vicinity of Kanazawa Port”.

4. Important precautions for night time port entry or departure

Please take following precautions and secure the safety of the ship when entering or leaving the port during the nighttime. In addition to this, if the weather is bad, please strictly obey the instructions given in the previous section of “3. In case of a bad weather”.

4.1 Safety considerations for night time navigation

- (1) Please make sure to collect sufficient information regarding weather and sea conditions in the port as well as the navigation route.

Apart from collecting enough information related to weather and sea conditions as well as notices to mariners, all the ships are requested to grasp the conditions of navigational routes, movements of other ships, construction work area inside the port through the shipping agency and Coast Guard; all the ships are also requested to slow down as much as possible and navigate inside the port after confirming the safety of the surrounding ships.

In addition to the above, please refer to the “Reference Material 2” for information on the areas of the Kanazawa Port with ongoing construction work and please make sure to obtain the latest information at all times.

- (2) Please request the support of piloting staff or tug boats when necessary.

As the visibility during the night time is lower as compared to the daytime, please make sure to give careful consideration to weather and sea conditions, movements of other vessels (such as fishing vessels, pleasure boats, work boats, cargo boats,

etc.) as well as any possible offshore construction work; moreover, if necessary, please request the support of piloting staff, tug boats or a pilot ship to guide your ship.

(3) Night time docking of any ships carrying dangerous cargo is not allowed.

Since docking/berthing of the ships with dangerous cargo is not allowed during the night time, it is advised that such ships make sure to obtain weather related information in case such ships have to wait in the off-shore waters of the port.

(4) Large cruise ship of over 30,000G/T is required to adhere to (Ref. 6).

4.2 Compliance of rules set up by “Kanazawa Port Council for Maritime Affairs”

Vessels of which safety for entry and departure have been discussed (e.g. Asuka, International ferries, large PCTC vessels, etc.) are required to adhere to the conventional safety rules determined by the Conference on Vessel’ s Entry and Departure at Kanazawa Port.

For your reference, you can find the safety criterion measure for large vessels (PCTC vessels) at “Reference 1” , and (Reference 6) Safety Criterion Measure for Large Cruise Ships for vessels of over 30,000G/T.

In case a vessel of which navigation safety has not been discussed (e.g. larger cruise ships than Target Vessel on (Reference Material 6)) enters the port for the first time, discussion should be made with Japan Coast Guard, port authority, port agent and other relevant parties, and in order to secure safety of Kanazawa Port and share information with users, Conference on Vessel’ s Entry and Departure at Kanazawa Port will be held accordingly and all parties should work in cooperation.

4.3 Request for cooperation regarding safe nighttime navigation inside the port

If you are aware of any possible hindrances to the safety of your ship while navigating inside the port or while berthing or unberthing during the night time, then please contact the port officials through the shipping agency.

4.4 Coordination with relevant agencies in times of emergency

If there is an emergency such as an accident, disaster etc. during navigating inside the port, contact all the relevant agencies (Coast Guard office, shipping agency, port administration) immediately and follow the instructions of the Coast Guard.

5. Communication network in case of an accident or fire

5.1 Disaster Prevention System

In order for the Kanazawa Port to respond quickly and appropriately to emergencies (earthquake, tsunami, typhoon, abnormal weather conditions, oil spills, fire, etc.) as a single unit, all vessels shall keep in close contacts with existing associations such as the “Kanazawa Port Typhoon/Tsunami Response Conference” and cooperate with each other during disasters.

①Earthquake/Tsunami Response Measures

When an earthquake or tsunami warning is issued, all vessels shall collect relevant information and start leaving the port or evacuate to a safer area. When there is a tsunami forecast following an earthquake, all vessels shall take the following measures:

- If there is enough time before tsunami hits the port and if it is possible for your ship to evacuate outside the port, then make necessary departure preparations without any delay and evacuate in the off-shore waters of the port depending upon the conditions.

If there is very little time before tsunami hits the port, all the ships are advised to take best possible precautions by strengthening mooring cables and making other adjustments; in case of a possible tsunami, please try to take a refuge in a safe area as early as you can.

- Any ship waiting to enter the port is requested to postpone the entry.

② Communication network in case of a maritime accident

In case of a maritime accident (collision, fire, stranded ship, etc.) or an oil spill accident, please refer to the contacts given in the “5.2 Emergency Communication Network” and communicate with all the relevant agencies without any delay.

5.2 Emergency Communication Network

When there is an emergency situation aboard the ship, contact the Coast Guard, Port Management Office (Kanazawa Port and Harbour Office), Shipping Agency and other relevant parties immediately (refer to the emergency contacts).

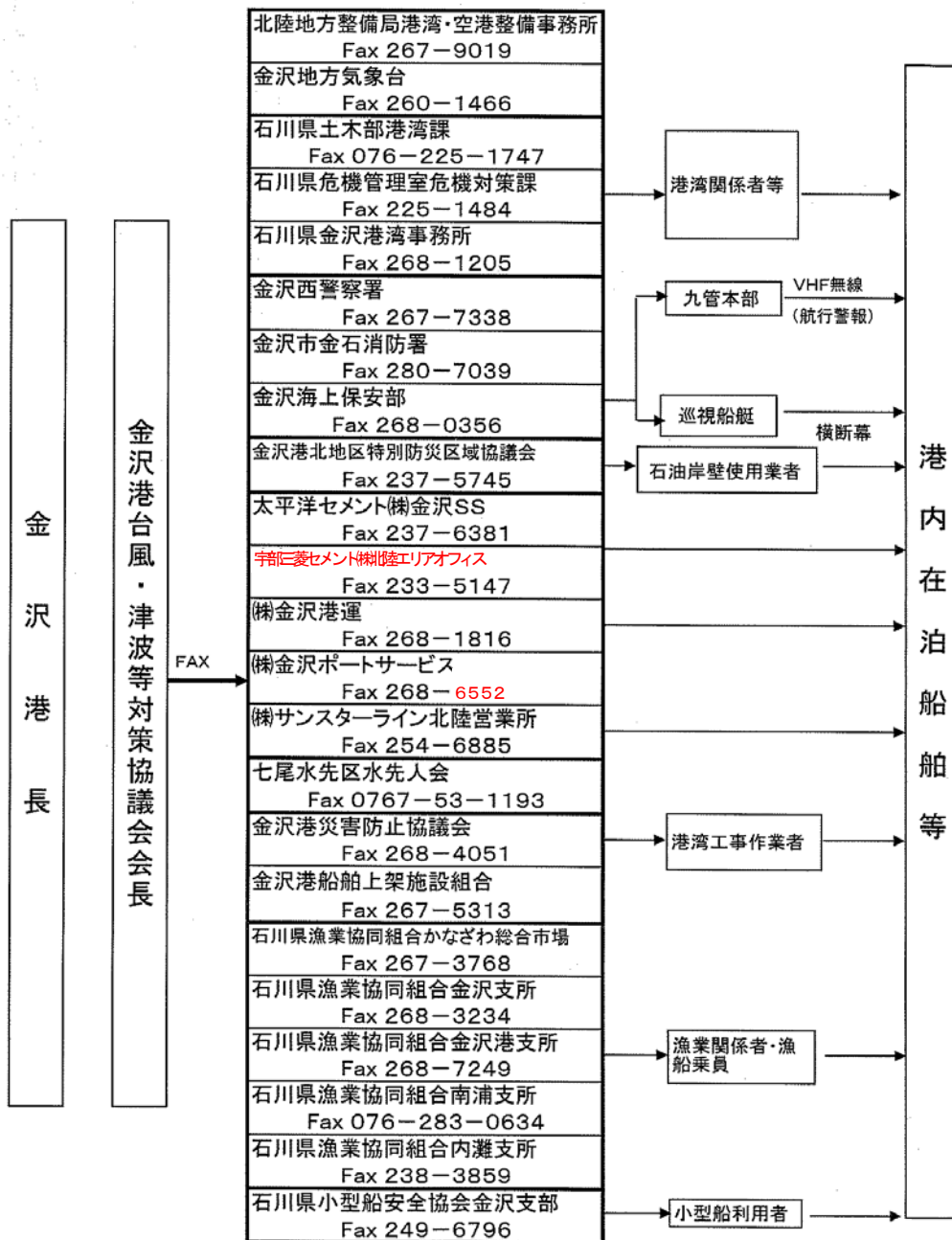
In case of a typhoon, abnormally low atmospheric pressure systems, approaching *tsunami* or any other disaster, the transmission of the information, such as information related to alert status and so on, will be carried out as shown in the Information Transmission Chain Chart (Kanazawa Port Typhoon/Tsunami Response Council) given below.

The contact lists for the government and other public agencies as well as the list of emergency contacts are given in the next sections of this guide booklet.

Typhoon/Tsunami Information Transmission Network Chart

一部修正 令和2年4月時点
平成27年5月25日現在

台風・津波等情報伝達系統図



Government Offices and Other Public Agencies Contact List

(Transportation Bureau)

| Agency Name | Address | Postal Code | Phone Number |
|--|---------------------------------------|-------------|------------------|
| Maritime Bureau , Ministry of Land, Infrastructure, Transport and Tourism, | 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo | 100 - 0013 | 03 - 5253 - 8111 |
| Hokuriku Shin-etsu Transportation Bureau | 2-2-1 Bandai, Niigata | 950 - 0088 | 025 - 244 - 6111 |

(Coast Guard Offices)

| Name | Address | Postal Code | Phone Number |
|---|---|-------------|------------------|
| 8th Regional Coast Guard Headquarters | 901 Shimo-Fukui, Maizuru | 624 - 8686 | 0773 - 76 - 4100 |
| Maizuru Coast Guard | 901 Shimo-Fukui, Maizuru | 624 - 0946 | 0773 - 76 - 4120 |
| Tsuruga Coast Guard | 7-15 Minato-machi, Tsuruga, Fukui | 914 - 0079 | 0770 - 22 - 0191 |
| Sakai Coast Guard | 9-1 Showa-machi, Sakaiminato, Tottori | 684 - 0034 | 0859 - 42 - 2531 |
| Hamada Coast Guard | 1785-16 Nagahama-cho, Hamada, Shimane | 697 - 0063 | 0855 - 27 - 0770 |
| 9th Regional Coast Guard Headquarters | 1-2-1 Misaki, Chuoku,, Niigata | 950 - 8543 | 025 - 285 - 0118 |
| Niigata Coast Guard | 1-5-4, Ryu-ga-shima, Chuoku, Niigata City, Niigata Prefecture | 950-0072 | 025-247-0118 |
| Fushiki Coast Guard | Fushiki Nishiki-machi 11-15, Takaoka, Toyama | 933-0105 | 0766-45-0118 |

| | | | |
|--------------------------|--|------------|------------------|
| Kanazawa Coast Guard | 4-13 Minato, Kanazawa | 920 - 0211 | 076 - 266 - 6118 |
| Nanao Coast Guard | Yata Shin-machi Ni-bu 173, Nanao, Ishikawa | 926-0015 | 0767-52-9118 |
| Noto Coast Guard Station | Ogi 21-173-3, Hosu-gun, Noto-cho, Ishikawa | 927-0553 | 0768-74-8118 |
| Sado Coast Guard Station | Ryoutu E-1 Sado City, Niigata | 952-0011 | 0259-27-0118 |

(Police/Fire)

| Name | Address | Postal Code | Phone Number |
|-------------------------------|------------------------------------|-------------|------------------|
| Kanazawa-Nishi Police Station | I-1-1, Kanaiwa Hon-machi, Kanazawa | 920-0336 | 076 - 267 - 1241 |
| Kanaiwa Fire Station | 3-105-1 Yagi, Kanazawa | 921-8066 | 076 - 280 - 7012 |
| Rinko Fire Station | 4-171-2Awagasaki-machi, Kanazawa | 920-0226 | 076 - 280 - 9021 |

(Medical Facilities)

| Place | Medical Facilities | | | |
|----------|--|---|------------------|-------------|
| | Name | Location | Phone Number | Departments |
| Ishikawa | Ishikawa Prefectural Central (Chuo) Hospital | 2-1Kuratsuki-Higashi, Kanazawa | 076 (237) 8211 | General |
| | Kanazawa Medical University Hospital | 1 - 1 Daigaku, Uchinada, Kahoku-gun, Ishikawa | 076 (286) 3511 | General |

Emergency Contact List

(Relevant Agencies and Organizations)

| Name | Phone Number |
|---|---|
| Port and Harbour Division, Public Works Department Ishikawa Prefecture | 076-225 - 1746 |
| Kanazawa Port and Harbor Office | 076-268 - 1201 |
| Port and Harbor/Airport Infrastructure Development Office, Hokuriku Regional Infrastructure Development Bureau, Kanazawa Branch, Ministry of Land, Infrastructure, Transport and Tourism | 076-267-2241 |
| Hokuriku Shin-etsu Transportation Bureau, Ishikawa Branch, Nanao Office | 0767 - 53 - 1120 |
| 9 th Regional Coast Guard Headquarters, Kanazawa Coast Guard | 076-266 - 6118 |
| Osaka Customs, Kanazawa Branch | 076-267 - 4490 |
| Ministry of Agriculture, Forestry and Fisheries, Nagoya Plant Protection Station, Fushiki Toyama Division Komatsu Airport Branch | 0761- 24 - 1406 |
| Komatsu Branch, Niigata Quarantine Station , Ministry of Health, Labor and Welfare | 0761-21 -3767 |
| Immigration Bureau Nagoya Division, Kanazawa Branch | 076-222 - 2450 |
| Kanazawa Labor Standards Supervision Office | 076- 292 - 7933 |
| Kanazawa-Nishi Police Station | 076- 267 - 1241 |
| Kanaiwa Fire Station | 076- 280 - 7012 |
| Rinko Fire Station | 076- 280 - 9021 |
| Nanao Maritime Pilots' Branch, Maritime Pilot Association | 0767-53-1192 |
| Kanazawa Koun Co., Ltd. | 076-268-1811 (Head office) 076-256-0542 (Agency) |

(Medical Facilities)

| Place | Medical Facilities | | | |
|----------|--|---|------------------|---------------------|
| | Facility Name | Address | Phone Number | Medical Departments |
| Ishikawa | Ishikawa Prefectural Central (Chuo) Hospital | 2-1 Kuratsuki-Higashi, Kanazawa | 076 (237) 8211 | General |
| | Kanazawa Medical University Hospital | 1 - 1 Daigaku, Uchinada (Kahoku-gun), Ishikawa | 076 (286) 3511 | General |

6. Reference Material

- (Ref. 1) Navigation Safety Standards for Large Vessels (Oohama Wharf)
- (Ref. 2) Information related to the construction areas at Kanazawa Port
- (Ref. 3) Typhoon/Tsunami Information Transmission Network Chart
- (Ref. 4) For a Safe Utilization of Kanazawa Port
- (Ref. 5) Members of “Kanazawa Port Council for Maritime Affairs”
- (Ref. 6) Safety Criterion Measure for Large Cruise Ships

(Reference Material 1) Navigation Safety Standards for the Large Vessels
(Ohama Wharf)

An outline of the arrival and departure standards

Criteria regarding the arrivals and departure of large vessels (Sunrise - Sunset)

| Index | Criteria and Other Aspects | Special Remarks |
|-------------------------------------|---|------------------------------|
| Ship Category | International Gross Tonnage 40,000 tons PCC (Pure Car Carrier), Pure Car/Truck Carrier ships | |
| Passage Depth | -12.0 m | |
| Permissible Draft | Make sure that draft of the ships in this category can maintain a draft not less than 10% (Please take into account the extra margin of the draft in order to respond to waves inside the Port or heaving sea, etc.) | |
| Wind Speed | Average speed: 9.0 m/sec Ships should operate by taking into consideration various factors such as the type of vessels entering the port, vessel models, cargo load, wind directions, wave conditions, etc. and ships are also requested to consult with all the relevant parties. | |
| Wave Height Outside the Port | Significant Wave Height 1.0~1.5m | |
| Visibility Range | Over 1.0km | |
| Time of Entry or Departure | Between Sunrise and Sunset in general (including dusk hours) | |
| Docking Maneuvering Speed | Under 10cm/s | |
| Piloting Personnel on Board | As a rule, pilots shall be aboard the vessels.* ¹ | |
| Using a Tug Boat | As a rule, 2 Tugboats shall be used.* ² | Over 2700HP/Ship |
| Listening to the International VHF | Please make sure to listen to the international VHF (ch16) and respond in case your ship is being hailed. | Communications ch06,12,15,17 |
| Avoiding Competing with other Ships | Vessels shall not compete with other vessels using the Port regarding matters such as navigation route, anchoring and surrounding areas. To ensure safety during arrival and departure, vessels shall consult and coordinate in advance with vessel agents and all concerned parties. | |

※ 1 : All the PCTC ships and any ships that are operating in an unreasonable manner are required to have piloting personnel on board.

※ 2 : As a general rule, all the ships are required to have support from 2 tugboats; however, the number of tugboats can change depending upon various factors such as weather/wave conditions, the power of the thrusters, etc.; the number of tugboats shall be decided by the pilots and the captain of the ship. Vessels that are not equipped with any thrusters are required to have 2 tugboats while entering or leaving the port. In addition to this, all vessels shall give their maximum support to accommodate any advice or instructions received from the Coast Guard.

※ The information given in the above chart is only an excerpt from the material prepared by Kanazawa Port Council for Maritime Affairs at a meeting held on 3rd October 2010. The information given in the chart describes only a part of the council' s deliberations.

(Reference Material 2)

Information related to the construction areas at Kanazawa Port

(HP:Kanazawa Maritime Information and Communication System (MICS))

The screenshot displays the Kanazawa Maritime Information and Communication System (MICS) interface. At the top, there are navigation tabs: 状況確認, 情報・注意喚起, 緊急情報, 海上安全情報 (selected), and ツイブカメツ. The main area features a map of Kanazawa Port with several green location pins indicating construction sites. A date and time stamp '2014/04/03 18:05' is visible in the top right corner of the map area. Below the map, there is a search bar and a list of construction information under the heading '海上安全情報'.

| 日付 | 時刻 | 内容 |
|------------|-------|--------------|
| 2014/05/30 | 08:30 | 高松屋造船 (船体修繕) |
| 2014/05/29 | 08:30 | 船体修繕 (船体修繕) |
| 2014/05/28 | 08:30 | 船体修繕 (船体修繕) |
| 2014/05/28 | 08:30 | 船体修繕 (船体修繕) |
| 2014/05/07 | 08:30 | 船体修繕 (船体修繕) |
| 2014/04/25 | 08:30 | 船体修繕 (船体修繕) |
| 2014/04/17 | 08:30 | 船体修繕 (船体修繕) |
| 2014/04/16 | 08:30 | 船体修繕 (船体修繕) |
| 2014/04/11 | 08:30 | 船体修繕 (船体修繕) |
| 2014/03/28 | 08:30 | 船体修繕 (船体修繕) |
| 2014/02/27 | 08:30 | 船体修繕 (船体修繕) |

<http://www6.kaiho.mlit.go.jp/O9kanku/kanazawa/anken.html>

九管区水路通報

| | | |
|----------|---------|--------|
| 水路通報有効一覧 | 発行済水路通報 | 解説 |
| 管内の海図 | メール配信登録 | 地域航行警報 |



付図からも検索ができます

1. 管内の「主要港」で検索
(これ以外の港については県名による検索を選択してください)

金沢港

2. 「県名」、「島名」、「海域」による検索

石川県

3. 「種別」で検索
(射撃訓練等の「訓練」、港湾工事等、種別による検索)

港湾施設

4. 「主要港」&「種別」による検索

金沢港

5. 「県名」、「島名」、「海域」&種別による検索

石川県

<http://www1.kaiho.mlit.go.jp/KAN9/zushi/indexbun.html#>

(Reference Material 3) Translation

Typhoon/Tsunami Information Transmission Network Chart

| Japanese | English |
|---|--|
| 台風・津波等情報伝達系統図 | Typhoon/Tsunami Information Transmission Network Chart |
| 気象情報の流れ | Transmission of Weather Information |
| 金沢地方気象台 | Kanazawa Local Meteorological Observatory |
| 防災気象情報等 | Disaster Prevention and Weather Information |
| 会員(官公庁) | Members (Government Officials) |
| 各機関で定められている規定に基づき情報の伝達を実施する | Transmission of Information will be carried out based on the regulations as established by all the agencies |
| 北陸地方整備局金沢 | Hokuriku Regional Infrastructure Development Bureau, Kanazawa Branch |
| 港湾・空港整備事務所 | Port and Harbour/Airport Infrastructure Development Office |
| (気象協会等より情報入手) | (Information obtained from Meteorological Associations, etc.) |
| 石川県危機管理監室危機対策課(経由) | (Via) Emergency Response Division, Crisis Management Office, Ishikawa Prefecture |
| 石川県土木部港湾課 | Port and Harbour Division, Public Works Department, Ishikawa Prefecture |
| 金沢港湾事務所 | Kanazawa Port and Harbour Office |
| 金沢市消防局 | Kanazawa City Fire Department |
| 金石消防局 | Kanaiwa Fire Department |
| 臨港消防局 | Rinko Fire Department |
| 石川県警察本部経由 | (Via) Ishikawa Prefectural Police Headquarters |
| 金沢西警察署 | Kanazawa-Nishi Police Station |
| 金沢海上保安部 | Kanazawa Coast Guard Office |
| 港湾関係者等 | Port and Harbour Officials |
| 九管本部 | 9th Regional Coast Guard Headquarters |
| VHF無線 | VHF Radio |
| (航行警報) | Navigation Warning |
| 巡視船艇 | Patrol Boats |
| マイク・横断幕 | Microphone/Banner |
| 各警戒態勢の伝達 | Transmission of information regarding alert status |
| 台風・津波等協議会会長(金沢港長) | Chairman of Kanazawa Port Typhoon/Tsunami Response Council (Kanazawa Port Harbourmaster) |
| 会員(民間) | Members (Civilians) |
| 独自の情報伝達システムを確立し、会長からの情報並びに港長から指示及び勧告事項を確実に伝達するものとする | All Parties shall establish their own information transmission chain, to transmit any information received from the Chairman or any instructions and advice given by the Harbour Master. |
| 金沢港北地区特別防災区域協議会 | Special Disaster Prevention District Council, Kanazawa Port Northern District |
| 太平洋セメント(株)金沢SS | Taiheiyo Cement Co., Ltd., Kanazawa SS |
| 宇部三菱セメント(株)北陸エリアオフィス | Ube-Mitsubishi Cement Co., Ltd., Hokuriku Branch |
| (株)金沢港運 | Kanazawa Koun Co., Ltd. |
| (株)金沢ポートサービス | Kanazawa Port Service Co., Ltd. |
| 金沢港災害防止協議会 | Kanazawa Port Disaster Prevention Council |
| 金沢港船舶上架施設組合 | Kanazawa Port Vessel Maintenance Union |
| 石川県漁業協同組合かなざわ総合市場 | Ishikawa Prefecture Fisheries Cooperative, Kanazawa General Market |
| 石川県漁業協同組合金沢支所 | Ishikawa Prefecture Fisheries Cooperative, Kanazawa Branch |
| 石川県漁業協同組合金沢港支所 | Ishikawa Prefecture Fisheries Cooperative, Kanazawa Port Branch |
| 石川県漁業協同組合南浦支所 | Ishikawa Prefecture Fisheries Cooperative Minami-Ura Branch |
| 石川県漁業協同組合内灘支所 | Ishikawa Prefecture Fisheries Cooperative Uchinada Branch |
| 石川県小型船安全協会金沢支所 | Ishikawa Prefecture Small Vessels Safety Association Kanazawa Branch |
| 石油埠頭使用者 | Crude Oil Pier User Firms |
| 港湾工事業者 | Port and Harbour Construction Crew Members |
| 漁業関係者・漁船乗員 | Fishery Operators/Fishing Vessel Crew Members |
| 小型船利用者 | Users of Small Vessels |
| 港内在泊船舶等 | Ships and other vessels anchored at Kanazawa Port |
| 台風・津波等情報伝達系統図 | Typhoon/Tsunami Information Transmission Network Chart |
| 港湾工事業者 | Port and Harbour Construction Crew Members |
| 漁業関係者・漁船乗員 | Fishery Related Parties/Fishing Vessel Crew Members |
| 小型船利用者 | Small Vessel Users |
| 港内在泊船舶等 | Anchored Vessels at Port, etc. |

(Reference Material 4)

For a Safe Utilization of Kanazawa Port

Kanazawa Port Safety Guide Leaflet

~ To all the foreign vessel operators using Kanazawa Port ~



● Please adjust the speed to arrive at the estimated time and directly enter into the Kanazawa Port or come alongside the pier.

In case of evacuating to the following anchorages, emergency entry application is necessary.

The following Anchorages are used in case of stormy weather

● Vessels may use the Maizuru Bay and Tsuruga Bay at the western marine area, and the Iida Bay, Nanao Minami (South) Bay, Sadogashima Island off-Akadomari, Sadogashima Island Ryotsu Bay at eastern sea area of Kanazawa Port.
 (Please refrain from entering Iida Bay and Nanao Southern Bay at night due to the large quantity of fixed fishing nets in these bays.)
 ★ Obtain weather and sea condition information about the respective sites, as well as be wary of fixed fishing nets and rock reefs when selecting the appropriate place.

● Information collection places and others
 ★ Ocean charts
 ★ Coast Guard Headquarters (marine VHF, 16ch)
 Maizuru Hoan Coast Guard (8th Regional Coast Guard Headquarters)
 Niigata Hoan Coast Guard (9th Regional Coast Guard Headquarters)
 ★ Fishing equipment stationary reference chart homepage
<http://www1.kaiho.mlit.go.jp/KAN9/map/9FISH/9fish-top.htm>

In case of evacuating to the off shore waters of Kanazawa Port, please evacuate outside the



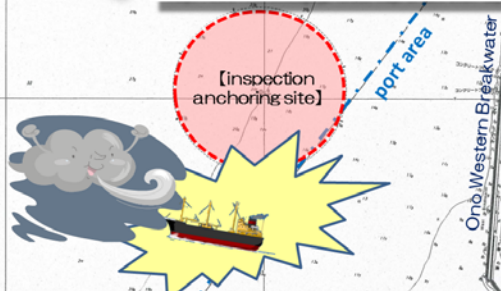
★ Except in case of anchoring at the inspection anchoring site during quite time.

Important precautions to be taken while entering or leaving the port during the night time

● In case of entering and leaving the port during the night time, vessels may obtain information on other vessels condition and maintenance, reduce the speed as much as possible and do not neglect the surrounding safety.
 ★ If vessels are unable to enter or leave the port due to stormy weather, please take a refuge outside the port.

Procedures in case of Typhoon • Tsunami

● In case of typhoon, development of abnormal low atmospheric pressure or tsunami approximation, a "reminder" or "first/second warning alert" will be issued by the Kanazawa Port Typhoon/Tsunami Response Council.
 ★ Alert information will be notified by the vessel agency.



In case of anchoring in stormy weather, there is danger of anchor dragging!
 (Evacuation in the inspection anchorage is not allowed in case of rough weather!)



Emergency Procedures

● In case of emergency, immediately notify the "Niigata Hoan" and take the necessary security measures.

★ Coast Guard Headquarters
 9th Regional Coast Guard Headquarters 025-245-0165 (marine VHF : Niigata Guard)
 Kanazawa Coast Guard 076-266-6118

★ Shipping Agency
 Kanazawa Koun Co., Ltd. 076-268-1811 (FAX 076-268-1816)
 (night time/holidays 090-7599-1810, Japan Sea Security Company)

★ Port Administrator
 Kanazawa Port and Harbour Office, Ishikawa Prefecture 076-268-

Security Measures during Mooring

● In case of stormy weather during mooring, the vessels shall make sure to carry out necessary communication protocols and be able to immediately depart the port.

★ It may be necessary to evacuate out of the port due to stormy weather.

★ To ensure safety, vessels shall consult and make the necessary adjustments with the institutions concerned early.

※ Please refer to 「Kanazawa Port Safety Guide for Ships」 for details.

Download : <http://www.pref.ishikawa.lg.jp/minato/ishikawano.html>

「Kanazawa Port Maritime Affairs Council」

(Reference Material 5) Members of Kanazawa Port Council for Maritime Affairs

(Crude Oil Company Representatives/Cement Agencies)

- Special Disaster Prevention District Council, Kanazawa Port Northern District
- Taiheiyo Cement Co. Ltd., Kanazawa SS
- Ube-Mitsubishi Cement Co., Ltd. Hokuriku Branch

(Fishery Agencies)

- Ishikawa Prefecture Fisheries Cooperative
- Ishikawa Prefecture Fisheries Cooperative, Kanazawa Branch
- Ishikawa Prefecture Fisheries Cooperative, Kanazawa Port Branch
- Ishikawa Prefecture Fisheries Cooperative, Kanazawa General Market
- Ishikawa Prefecture Fisheries Cooperative Uchinada Branch
- Ishikawa Prefecture Fisheries Cooperative Minami-Ura Branch

(Agencies concerned with small vessels)

- Ishikawa Prefecture Small Vessels Safety Association Kanazawa Branch

(Construction Work Agencies)

- Kanazawa Port Disaster Prevention Council

(Shipping Agencies)

- Kanazawa Koun Co., Ltd.
- Kanazawa Port Service Co., Ltd.

(Maritime Pilots)

- Nanao Maritime Pilots' Branch, Maritime Pilot Association

(Financial Organizations)

- Kanazawa Port Promotion Association (Kanazawa Chamber of Commerce and Industry)

(Government and Other Public Agencies)

- Kanazawa Coast Guard
- Hokuriku Regional Infrastructure Development Bureau, Kanazawa Branch/Port and Harbour/Airport Infrastructure Development Office
- Port and Harbour Promotion Office, Commerce, Industry and Labour Department, Ishikawa Prefecture

- Port and Harbour Division, Public Works Department, Ishikawa Prefecture
- Kanazawa Port and Harbour Office
(Secretariat Kanazawa Port and Harbour Office, Ishikawa Prefecture)

(Reference Material 6) Safety Criterion Measure for Large Cruise Ships

■ Entry and Departure Criterion Measure

| | Criterion | | | Remarks |
|---------------------------|--|---------------------------|---|---|
| | Tomizu Wharf | Muryoji Wharf | Ohama Wharf | |
| Target Pier | Tomizu Wharf | Muryoji Wharf | Ohama Wharf | |
| Target Vessel | 70,000G/T class | 80,000 ~ 10,000 G/T class | 110,000 ~ 160,000 G/T class | |
| Wind Velocity | Below 10m/sec | Below 8m/sec | Below 8m/sec | Average wind velocity of every 10 min measured at Ohno Lighthouse Observing Station |
| Pier Docking Speed | Below 5cm/sec | Below 10cm/sec | 160,000G/T class (Azipod type): Below 7cm/sec 130,000G/T class (Conventional type): Below 10cm/sec | The target value is for ship handling. |
| Wave Height | Below 1.5m outside the port | | | |
| Visual Range | Over 2,000m | | | |
| Water Depth | Keel clearance of additional 10% or more to the extreme draft at the time of entry and departure shall be secured. | | | |

■ Cruise Ship 30,000G/T or over

| | | |
|---------------------------|--|------------------------------|
| Escort Boat | While the cruise ship navigates inside the port or the approachig channel, escort boat shall be deployed to look out for small ships such as fishing boats and pleasure boats. | |
| Pilot on Board | Pilot shall be on board in principle. | |
| Tugboat Deployment | ※1 More than one tugboat shall be deployed in principle. ※2 At a night departure, two tugboats shall be deployed in principle. | Over 2,700 horsepower/vessel |

※1 The number of tugboats shall be discussed by captain and pilot in consideration of weather condition during entry and departure. Tugboat can also serve as an escort boat.

※2 In principle, a night departure requires two tugboats to ensure sefe navigation in dark and narrow environment. After tugboats finish supporting the vessel undocking, one of the tugboats shall advance appropriately and escort the vessel. Simultaneously, it shall light up the necessary continental areas (pier, breakwater, etc.) to help the vessel see the distance from them.

Caution 1) Even if the vessel's tonnage is smaller than the sizes in the above chart, if the turning basin (2 times of the vessel length) can not be secured, criterion for larger vessels wil apply.

Caution 2) The vessel shall enter the port during the day time between sunrise and sunset.

* This criterion measure is an excerpt of materials from the research committee on security measures for large cruise ships entering and departing from Kanazawa Port held on Jan 23, 2018. Therefore, the information given above is only a part of the committee's deliberations.