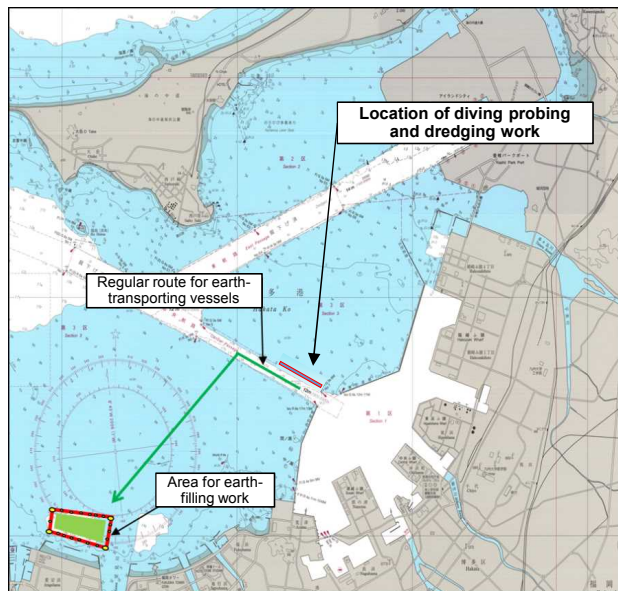


# Notification of Slated Dredging Work on Sea Route (12-meter deep) in Hakata Port (Central Sea Route Area)

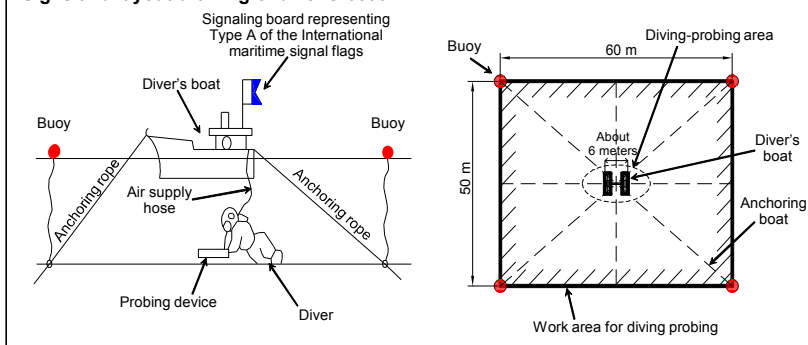
Hakata Port and Airport Development Office, Kyushu Regional Development Bureau TEL 092-752-4365  
General Director of Hakata Port TEL 092-281-5867

Diving probing and dredging work will be carried out on and around the central sea route as described in the following. People concerned to sail nearby areas are advised to take caution.

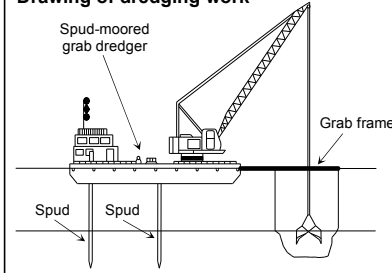
## 1. Work area and construction drawing



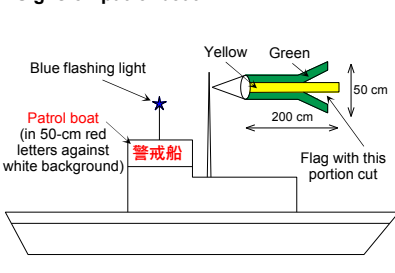
Signs and layout drawing of diver's boat



Drawing of dredging work



Signs on patrol boat



## 2. Work periods

May through June, 2020 – Diving work  
May through June, 2020 – Dredging work

## 3. Description of work

Diving work – Workers dive in the work area from diver's boats (4 at most) to engage in search for geomagnetic field-disrupting objects and removal of them

Dredging work – Dredging work is carried out by spud-moored grab dredgers (2 at most) and earth-transporting vessels.

## 4. Request to sailing vessels

A fleet of work vessels may cut through the sea route that you are following during the work period. Although vessels in the fleet will make sure that no ship is in their traveling direction, we would like to ask people concerned who will navigate through or around the work area to understand our need and cooperate with us.

## 5. Provision of information

Additional information is available from the sources listed below:

- Website of Office for Hakata Port Development and Provision of Supporting Work for Safety of Sailing →
- Maintenance Section of Hakata Port and Airport Development Office, Kyushu Regional Development Bureau TEL 092-752-4365

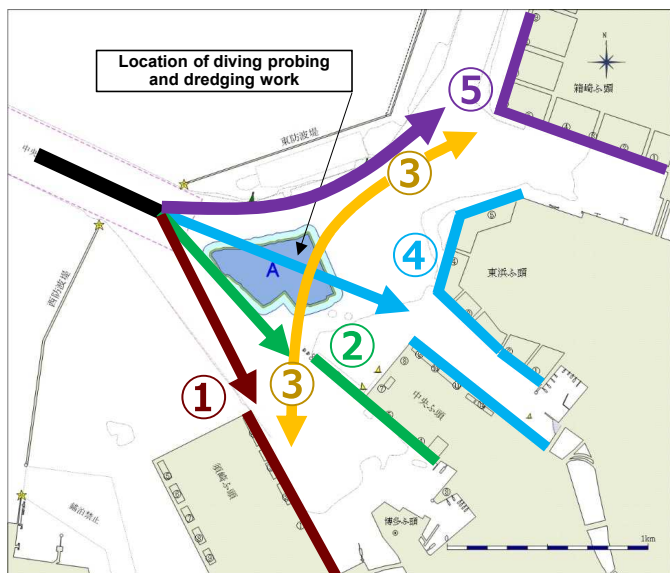


# Notification of Slated Dredging Work at Sea Routes and Berthing Spots (12-m deep) in Hakata Port (Central Pier Area)

Hakata Port and Airport Development Office, Kyushu Regional Development Bureau TEL 092-752-4365  
General Director of Hakata Port TEL 092-281-5867

Diving probing and dredging work will be carried out as described in the following. People concerned to sail nearby areas are advised to take caution.

## 1. Work area



## 2. Work period

May through June, 2020 for diving work  
June through September 2020 for dredging work

## 3. Description of work

Diving work – Divers arriving at the work area in boats (4 at most) to engage in removal of geomagnetic field-disrupting substances

Dredging work – Dredging work carried out by spud-moored grab dredgers (2 at most) and earth-transporting vessels.

## 4. Requests to vessels sailing in Hakata Port

(1) The Office for Hakata Port Development and Provision of Supporting Work for Safety of Sailing (Tel: 092-262-4621) **must be notified of any vessel's** berthing to or setting sail from the berths mentioned below at least **2 hours before berthing or 1 hour before setting sail**.

**Route ① from the central sea route to the east side of Suzaki Pier – For 220-m or over long vessels,** a navigable area to be secured by evacuation of the fleet of work vessels

**Route ② from the central sea route to the west side of Central Pier – For 215-m or over long vessels,** a navigable area to be secured by evacuation of the fleet of work vessels

\*1 If any vessel, other than those described on the above, requires evacuation of the fleet of work vessels particularly, please contact the Office

**Route ③ from the east side of Suzaki Pier to Hakozaki Pier – For 10,000 GT or over vessels,** a navigable area to be secured by evacuation of the fleet of work vessels

\*1 If any vessel, other than those described on the above, requires evacuation of the fleet of work vessels particularly, please contact the Office

**Route ④ from the central sea route to the tip or north side of Higashihama Pier or to Hakozaki Pier**

(i) **For vessels whose length is over 85-m and 152-m or less,** how to handle encountering of a vessel and the work vessel fleet is to be considered, necessitating waiting time in some cases.

(ii) **For vessels whose length is over 152-m** (e.g. large car carriers or the like\*2), a navigable area to be secured by evacuation of the fleet of work vessels

**Route ⑤ from the central sea route to the east side of Central Pier or to the south side of Higashihama Pier – For 85-m or over long vessels,**

a navigable area to be secured by evacuation of the fleet of work vessels

\*2 A large car carrier or the like refers to a vessel whose swept area is so large that pressurized flow generated by it becomes a cause of concern depending on the wind direction or velocity.

(2) As for other vessels that sail near the work area, they are requested to remain as far away as possible from the fleet of work vessels and navigate at an appropriate speed while paying close attention to the fleet. Also, they are requested to obey any guidance issued by patrol boats.

## 5. Provision of information

Additional information on the construction work is available from the sources listed below:

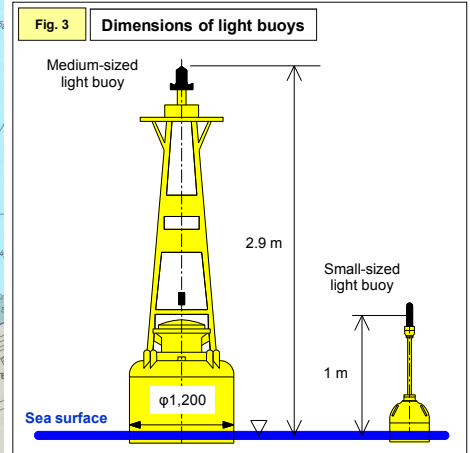
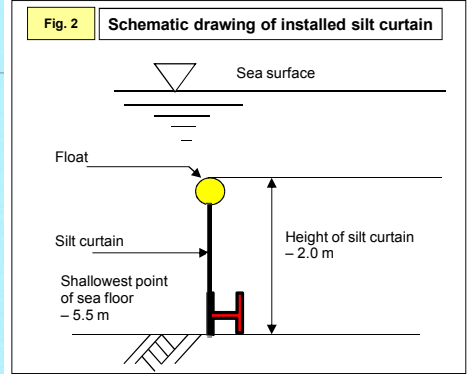
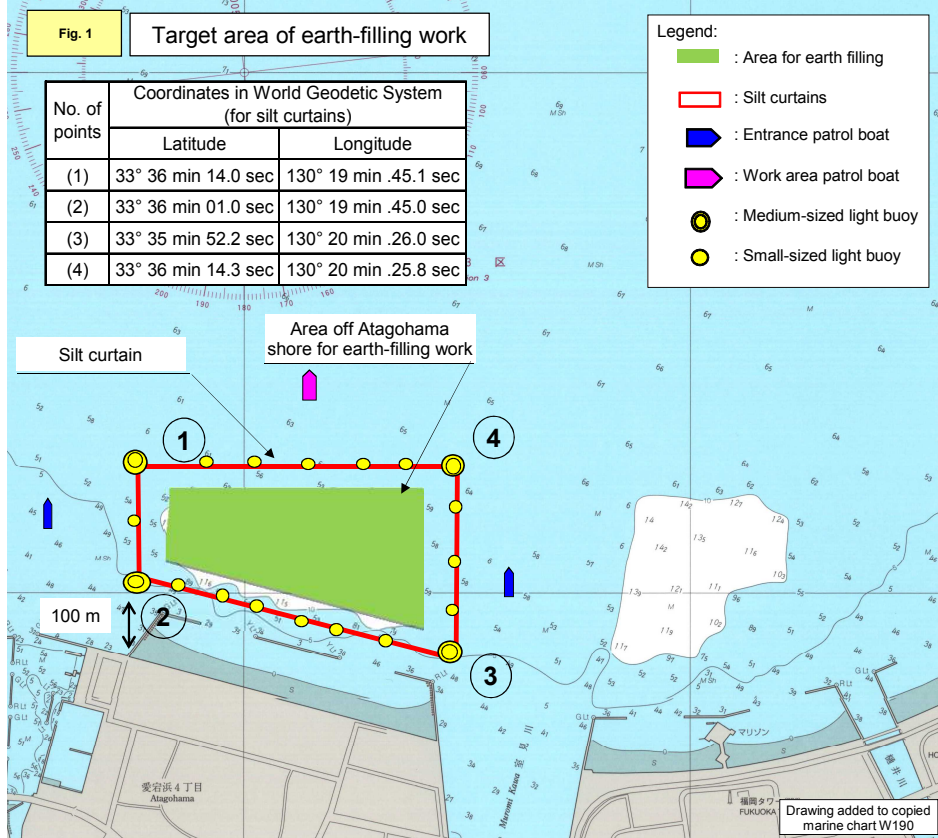
- Website of Office for Hakata Port Development and Provision of Supporting Work for Safety of Sailing →
- Maintenance Section of Hakata Port and Airport Development Office, Kyushu Regional Development Bureau TEL 092-752-4365



# Notification of Earth-Filling Work off Atagohama Shore

Hakata Port and Airport Development Office,  
Kyushu Regional Development Bureau TEL 092-752-4365  
General Director of Hakata Port TEL 092-281-5368

Earth-filing work will be carried out off the Atagohama shore as described in the following. People concerned who have to sail near the area slated for the work are advised to pay close attention.



## 1. Period of work (see Fig. 1 for the location of work)

From mid-May to end of September, 2020 (sunrise to sunset)

Work category	Type of work vessel	Max No. of vessels	May	June	July	August	September	Working hours	No. of patrol boats
Installation & removal of silt curtains	Crane barge	4	Installation				Removal	Sunrise to sunset	3 (2)
Earth-filling off Atagohama shore	Double-pipe tremie vessel	1							

- As a rule, weekend days and holidays are off days (depending on the progress status of the work, however, work schedule may be changed so that the work may be carried out on weekend or holiday).
- The number of patrol boats in parentheses is the number of them that are deployed on the day the work is suspended. At night, no patrol boats are deployed.

## 2. Overview of work (see Figs. 1, 2 & 3)

**(Location off Atagohama beach where earth-filling work is to be carried out)**

- Silt curtains will be installed around the area using a crane barge or the like. After installing curtains, they will continue to be installed underwater as shown in Fig. 2 (while the installation work is underway, crane barges and the like (to be referred to as "work vessels") may remain moored within the work area).
- Earth-filling work will be carried out by an earth-depositing vessels (double-pipe tremie vessels), which will deposit earth inside the area surrounded by installed silt curtains.
- Installed silt curtains will be removed after the earth-filling work is completed (while this removal work is underway, a work vessel may remain moored within the work area at night).

## 3. Safety measure (see Figs 1 & 3)

1) Demarcation of area off Atagohama beach to be filled with earth

During the period over which silt curtains remain installed in the area, light buoys with the following specifications will remain installed.

Installation point	Buoy type	Color of light	Flashing type	Height of light	Visible distance	Remarks
Corner point	Medium-sized light buoy	Yellow	1 flash every 4 seconds	2 m or higher	5.5 km	<b>Synchronized flashing</b>
Middle point	Small-sized light buoy	Yellow	1 flash every 4 seconds	1 m	4.5 km	

## 4. Rules to observe for sailing vessels

- Any vessel sailing in the sea area between the south of the earth-filling work area and Momochi beach breakwaters must pay close attention to passenger ships and the like that travel to and from the Marizon resort and pass through the area while making sure that sailing there can be safe.
- When sailing near the area where the work is underway, decelerate your ship to the degree that its maneuverable can still be maintained, and make sure that your ship is as far away as possible from the earth-filling area marked by the light buoys

## 5. Provision of information

- Updated information is provided by the Office for Hakata Port Development and Provision of Supporting Work for Safety of Sailing (TEL 092-262-4621, website at <http://seikaibo.ecweb.jp/hakata>)
- Information on the work is also provided by the Maintenance Section of Hakata Port and Airport Development Office, Kyushu Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (TEL 092-752-4365).