# TOKYO BAY FISHERY INFORMATION M A P



## The Purpose of Tokyo Bay Fishery Information Map (TBFIM)





**Tokyo Bay Fishery Information Map/TBFIM** is a map that displays main fisheries carried out in the bay of Tokyo. This map is made for the improvement of safety of both shipping agents and fishermen in Tokyo Bay.

TBFIM only shows the major characteristics of Tokyo Bay and its fishery. Therefore, it is important to note that there are other shipping/fishery operations in this area that not shown in this map.

We hope that utilizing this map will contribute to safety navigation in shipping and fishery field.





# Examples of Accidents between General Ships and Fishing Boats in Tokyo Bay

#### Conger Tube Fishing

 A fishing boat was collecting conger tubes at night. It touched with a general boat and sunk in 10 minutes.

#### Small Scale Trawl Fishing

· When a fishing boat was operating a trawl, a general ship caught the wire.

#### Purse Seine Fishing

- A fishing boat was capsized when a large size ship circled near around her fishing net and caught the net.
- · A general ship sailed on the net and cut it off.

#### Gill Net Fishing

A general ship cut off the gill net by sailing astern of the fishing boat.

#### Pole and Line Fishing

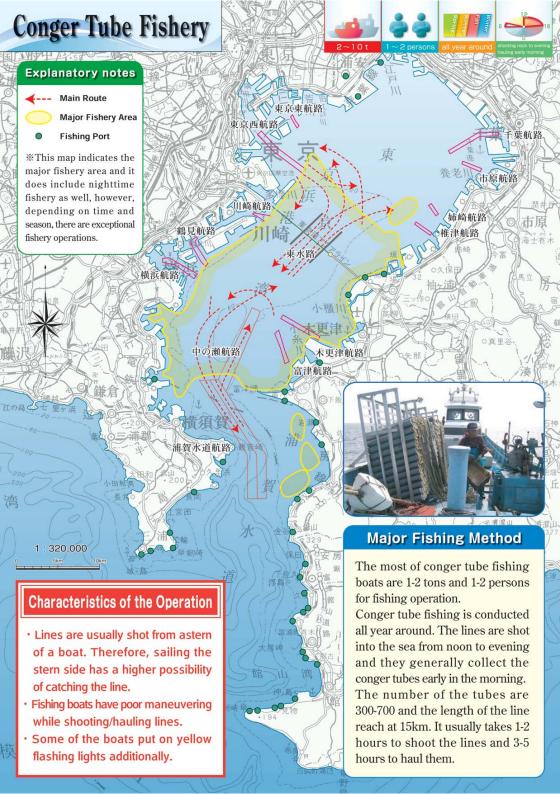
 When a fishing boat was anchor mooring and fishing, a general ship caught its anchor chain to the boat and caused it to capsize.

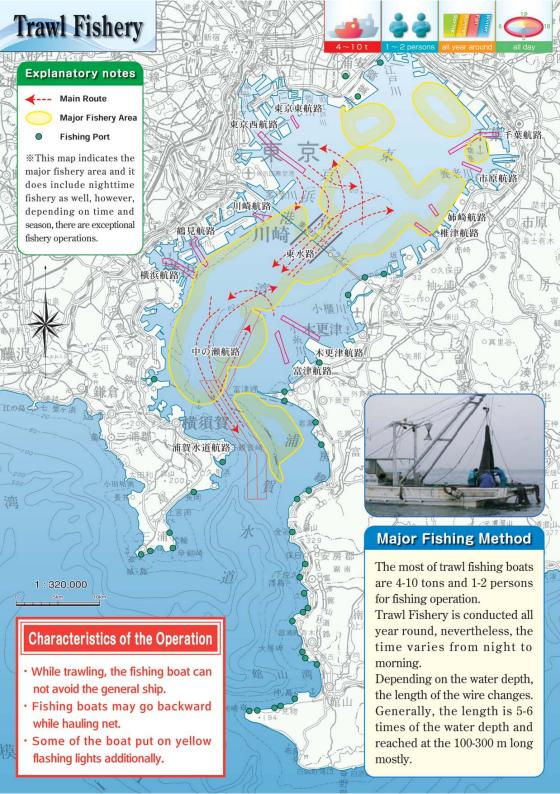
#### Set Net Fishing

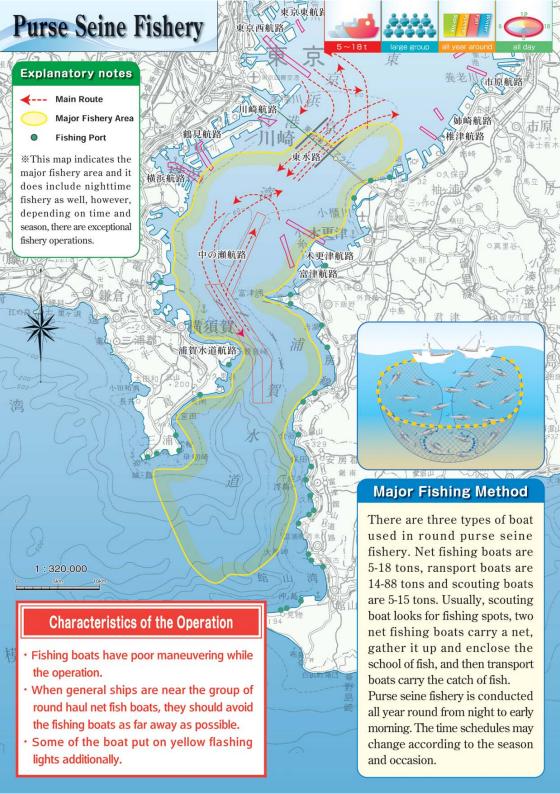
· A general ship entered set net and cut it.

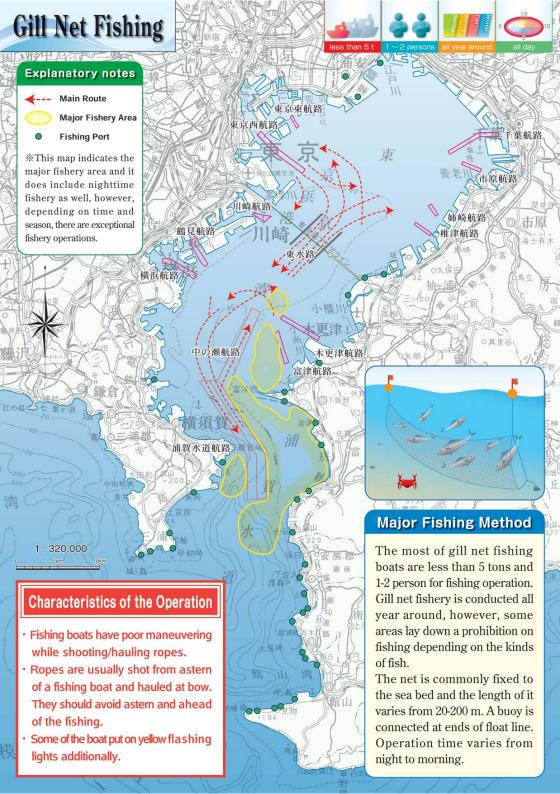
#### Seaweed Farming

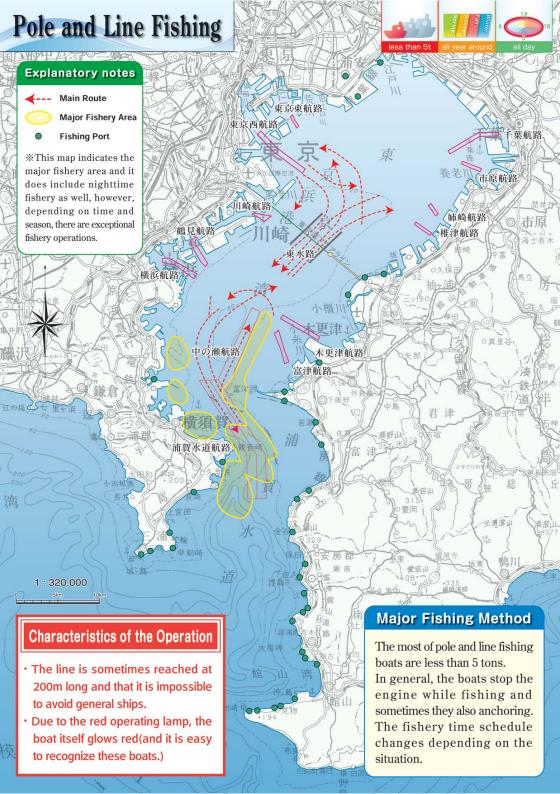
Several general ships entered seaweed farming areas and broke it.

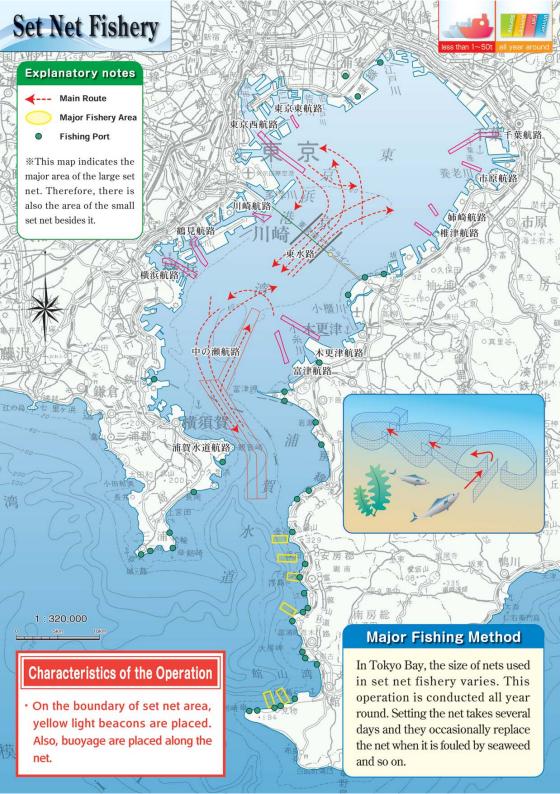


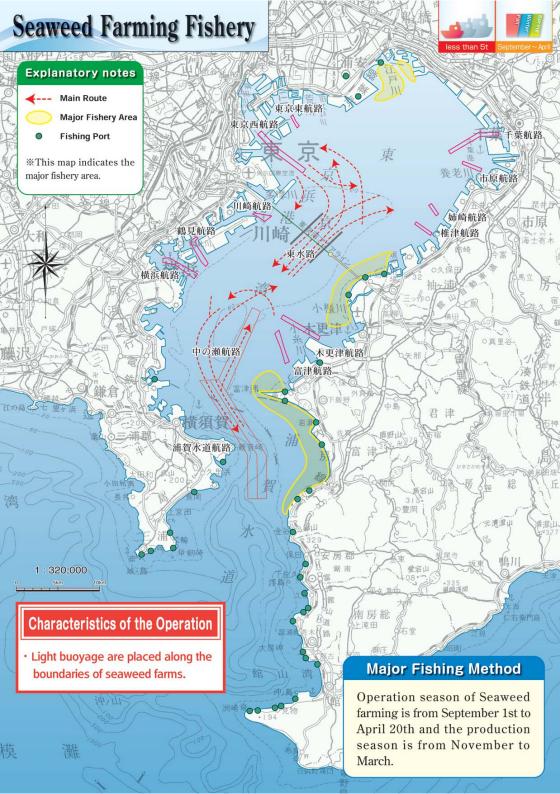


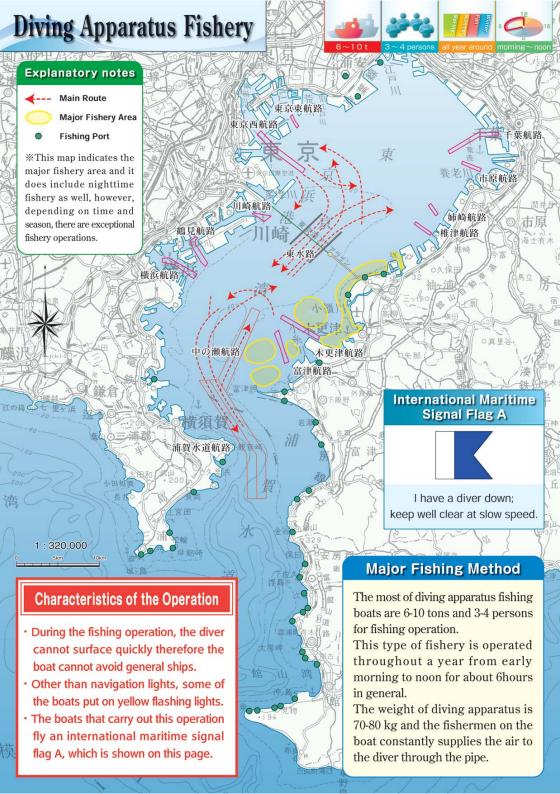














## The effects of ship waves

In Tokyo Bay, many of the fishing boats are small and just only 1-2 persons operate. Even waves that can not have any effect on general ships, however, have dangerous effect to the small fishing boats.

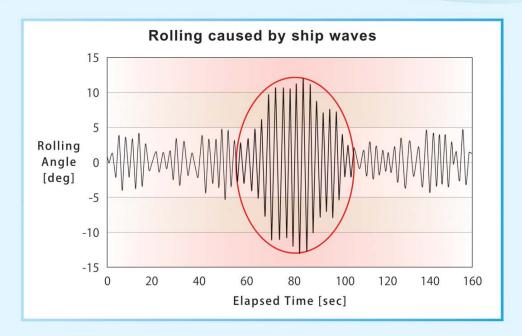
Similarly, the ship waves created by the general ships can cause the fishing boats to rolling motion. Also, the fishing boats cannot avoid the ship waves because of their poor maneuvering during fishing operations. In fact, fishermen in Tokyo Bay are very nervous about the ship waves.

#### Accidents caused by ship wave

- Crews falling down
- Collapse of fishing gear and fish catch
- Breaking the mooring line
- Damageing the fishing gear

#### Accidents fishermen are taking care about

- Falling into the sea
- Collapse of fishing gear and catch of fish
- Net fishing boats collision each other (purse seine net fishing)
- High speed vessels around the fishing boats during operation (cannot control the encounter angle of ship waves)



The figure shows the rolling angle of a small fishing boat when they encounter ship waves. The vertical axis represents the rolling angle and the horizontal axis represents the elapsed time. The positive numbers indicate the starboard inclination and the negative numbers to the port side.

The red circle on the figure shows when it encountered ship waves. It can be seen that the ship was rolling within only 5 degrees without ship waves and inside of the red circle, which is when it met with ship waves, the rolling angles reached more than 10 degrees.

Fortunately, there has not been a severe accident caused by ship waves in Tokyo Bay. However, in order to keep the safety of the small fishing boats, all vessels should decrease the effect of ship waves for slowing speed and keeping away from them.

### For Pleasure Boat Owners

In order to keep the safety of Tokyo Bay, when you find fishing boats, especially fishing boats in operation, please keep away from them. The suggestion mentioned above should be applied to when fishermen are trying to call your attention by using hands or lighting as well.

Tokyo Bay is one of the most congested areas in the world. As it has been mentioned in this brochure, there have been many accidents between general ships and fishing boats. Unfortunately, these accidents include ones between pleasure boats and fishing boats too.



#### Example of accidents between pleasure boats and fishing boats

- Ocollision with trawl fishing boat.
- Oropping an anchor on a line of conger tubes.
- Cutting off a net by crossing the astern of gill net fishing boat while shooting net.
- Entering on seaweed farming area or a fixed net and breaking a net, etc.





#### Dial 118 for emergency calls

Please calm down and report briefly about "when", "where" and "what happened"

Bureau	Phone Number
① 3rd Regional Coast guard Headquarters	+81-45-211-1118
② Chiba Coast Guard Office	+81-43-301-0118
③ Tateyama Coast Guard Detachment, Chiba Coast Guard Office	+81-470-20-0118
④ Funabashi Coast Guard Detachment, Chiba Coast Guard Office	+81-47-432-4118
(5) Kisarazu Coast Guard Station	+81-438-30-0118
<b>(6)</b> Tokyo Coast Guard Office	+81-3-5564-1118
7 Yokohama Coast Guard Office	+81-45-671-0118
8 Kawasaki Coast Guard Station	+81-44-266-0118
9 Yokosuka Coast Guard Office	+81-46-862-0118
<sup>(1)</sup> Tokyo Wan Traffic Advisory Service Center	+81-46-842-0118

#### For inquiries

#### **Japan Association of Marine Safety**

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URL : http://www.nikkaibo.or.jp/

