



SAFETY NEAR COMMERCIAL SHIPS

Taking a little boat near big ships for a close look is like standing on the runway to watch a jumbo jet take off - dangerous for all involved. If a collision occurs it can result in damage, injury or even death, and potentially legal action.

WHAT YOU **NEED TO KNOW**

Commercial vessels operate 365 days a year, 24 hours a day.

The speeds of large vessels can be deceptive and they may travel at speeds in excess of 12 knots.

To stop can take up to ½ mile for a large ship, even with its engines going full astern.

Large ships can't see you. Their 'blind spot' can extend for many hundreds of yards, even up to ¼ mile, in front of them.

Large vessels must keep up speed in order to steer and they need to stay in the channel. Sometimes the channel extends bank-to-bank so expect large vessel traffic on all parts of the waterway, such as Outer Harbor and upper sections of the Port River.

It is dangerous and difficult for large vessels to change course. They must line up and commit to their course well ahead around bridges, bends in the channel and when leaving and approaching their berth. Stay out of their way.

The powerful engines of big ships and tugs can pull small vessels toward them when passing alongside or close to the middle of the ship

Water turbulence can be dangerous and large vessels cause:

- ✓ Prop or wheel wash - a strong underwater current caused by tug or ship engines that can result in severe water turbulence hundreds of yards behind a large vessel
- ✓ Bow waves - large surface waves caused by the bow of a ship pushing through the water. A bow wave can swamp small craft hundreds of yards away from the ship.

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WHAT TO DO

Assign one person on your boat to maintain a lookout, particularly for large vessels. Stay clear of parked or moored vessels when they are berthed at wharves or loading areas, turning areas or terminals. Watch for large vessels' lighting at night. Don't rely on trying to hear a vessel approaching. If you see both sidelights (red and green) you're dead ahead, and in the path of danger.



WHAT NOT TO DO

Don't boat near large vessels. It can be hazardous. Sail boats need to be aware that a large vessel can 'steal your wind' and prevent your ability to maneuver.

Don't boat, ride a personal watercraft, sail or windsurf in or around large vessels. Jumping wakes, riding close alongside, or cutting under the bow of a large vessel could cause a boat or skier to be sucked through the vessel's large propellers and bow or stern thrusters.

Never pass closely behind a tugboat. A tug could be towing a barge, or other objects on a long submerged line. This tow line may lie low in the water and be difficult to see.



KNOW YOUR BOATING RULES

Understand whistle signals. Five short blasts on the whistle (about one second duration) indicates that the vessel is unsure of your intentions or doubts that you are taking enough action to avoid collision. Move clear of vessels sounding this signal.

Use safe anchorages. It is illegal and dangerous to tie up to navigation aids like buoys and channel markers, and to anchor in channels.

Cross channels only when safe to do so. Do not impede the passage of a vessel which can only safely navigate within a shipping channel. Try to cross the channel at the shortest possible distance.

When operating at night or in times of restricted visibility make sure that your boat displays appropriate navigation lights. The radars of large vessels are limited in their ability to detect small craft and do not detect wooden or fiberglass vessels.

Be aware of local rules. Restrictions and port operating rules may differ at each port. It is your obligation to be aware of any local restrictions or rules when you are boating in or near harbors and ports.

SAFE BOATING IN SHIP NAVIGATION AREAS

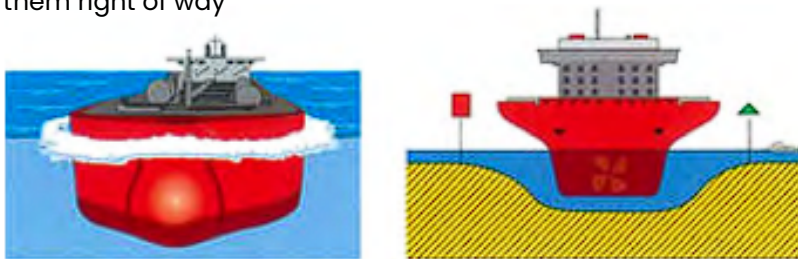
INTERACTIONS BETWEEN SHIPS AND SMALL BOATS

The chances of large ships and small boats interacting is high in shipping channels, pilot boarding grounds, anchorages, swing basins or port berths. Skippers should avoid or keep clear of these areas.

Ships can approach quickly and silently and do not have brakes. Large ships often travel at speeds over 20 knots and can have a stopping distance equal to 28 football fields (2.5 nautical miles).

It only takes about 15 minutes from when a ship is spotted on the horizon by a small boat until it might hit you. If the engine fails on a small boat this time can be fatally short.

When travelling in narrower channels, such as entering a port, large ships can have very low under-keel clearance and cannot turn or slow down. Large ships can only move in the designated shipping channels. Smaller boats need to avoid them and give them right of way



When in a swing basin or beside a berth, ships are accompanied by tugs and other vessels with limited manoeuvrability. Other boats need to stay well clear. A small boat rarely appears on a ship's radar and can be unseen from the helm of a ship. Large ships have a blind spot that can extend several nautical miles because the bow of the ship and cargo obscures the view.



At nominated locations, unauthorised boats are prohibited from mooring, anchoring or manoeuvring within a restricted operational area. Notices to Mariners (www.qld.gov.au/transport/boating/index.html) also give up-to-date information about boating in shipping channels

QUICK SAFETY TIPS

- Maintain a constant and proper lookout at all times, using all means available.
- Avoid travelling in a designated shipping channel. Keep to the outer edge if you must do so.
- Monitor the appropriate VHF channel for the area when near a shipping channel to keep up-to-date with local traffic movement information.
- Don't rely only on mobile phones for marine communications – the ship's captain or pilot won't know your number and you don't know theirs!
- Always cross a shipping channel at 90 degrees behind a ship and only when it is clear and safe to travel. Never cross in front of a large ship. If a small boat breaks down or runs out of fuel, this can end with disastrous results.
- Between sunset and sunrise, and when visibility is restricted, show correct navigation lights.
- Don't anchor near, or fish in, channels or near navigation aids marking a designated shipping lane.