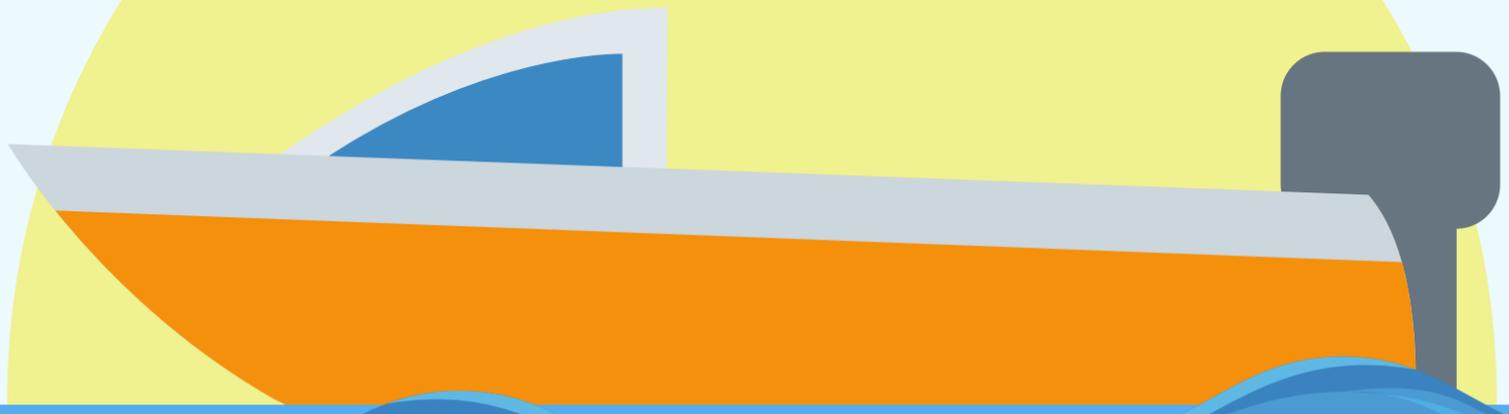


Wake WISE



The waves generated from boats moving through water is referred to as a wake. The impact of wakes varies depending on the size of boat and speed.



Legal speed limit for motorized boats travelling within 30 metres of shore.

Wave Height Matters

Waves generated by boats may drown birds' nests and their young that reside along the shorelines.



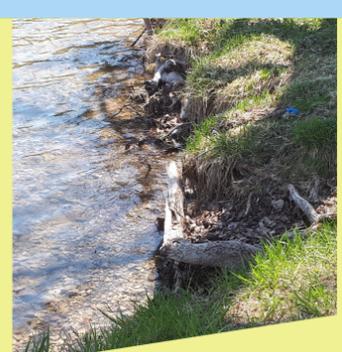
Inexperienced swimmers and children can be toppled by the energy of a boat wake.

Boat wakes can stir up sediments in the water, releasing nutrients that promotes weed growth and causes algae blooms.



Boat wakes can cause docks to rock, damaging the hardware.

Boat wakes contribute to shoreline erosion.





Know your Boat.

Be aware of the size of your wake during displacement, transition, and planing speeds.

Evenly sit your passengers throughout the boat to help reduce the amount of time during the transition speed.

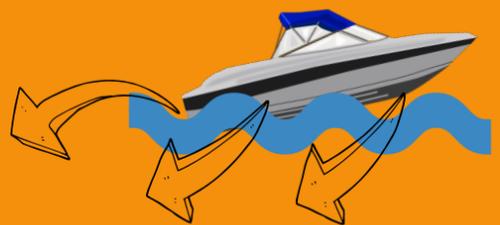
Keep an eye on your wake. Understand the impact the size of your wake is making and adjust your speed accordingly.

Water-ski, tube, & wake-board away from all shorelines. Try to make use of the entire length of the lake.

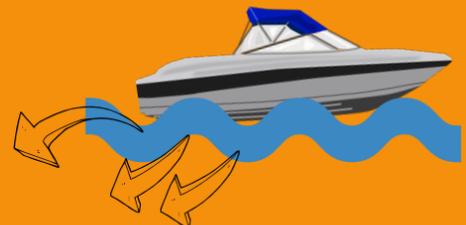
Respect the shoreline. Reduce your speed to 10 km/h or the posted speed limit. Be aware of narrow channels and slow down.



Displacement Speed:
Slowest speed and generates the least wake.



Transition Speed:
Increased speed to get you to plane mode. Creates the largest wake.



Planing Speed: Bow drops back and a small portion of the hull contacts the water. This speed creates a wake that is less than the transition speed but more than the displacement speed.

Waves and EROSION

Wave action caused by wind is a natural occurrence and can contribute to shoreline erosion. Other natural factors are water levels and the absence of vegetation along the shore. Maintain natural erosion controls along the shore including rocks, trees, and other plants.

For more information visit Federation of Ontario Cottagers' Association online at foca.on.ca

This info-graphic was put together with information provided by the Federation of Ontario Cottagers' Association.

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