

CLIMATE CHANGE - PROTECTING OUR LAKE

<p>CLIMATE CHANGE</p>	<ul style="list-style-type: none"> ➤ Earlier spring – less ice on lakes – later fall ➤ Warmer and wetter weather with increased frequency of extreme storm events interspersed with periods of drought ➤ Large rainfall events accompanied by strong winds can have profound impacts on lakes which are considered especially sensitive indicators of environmental change
<p>What does CLIMATE CHANGE mean for the lake we love.....</p>	<ul style="list-style-type: none"> ➤ The heavy rainfalls lead to erosion, runoff and the leaching of contaminants and nutrients (phosphorus) into our waterways ➤ The warm, wet conditions accelerate decomposition of organic matter which in turn releases more phosphorus ➤ Increased phosphorus stimulates the growth of algae and aquatic plants – decomposition of increased algae and aquatic plants requires more oxygen which can lead to oxygen depletion
<p>Anticipating and planning for the impacts of CLIMATE CHANGE can help protect our lake</p>	<ul style="list-style-type: none"> ➤ Our actions can help protect the lake ➤ These actions are not new, but need to be addressed in order to mitigate the impacts of climate change and increased human activity
<p>The most important preventative actions lake residents can take</p>	<p style="text-align: center;">MAINTENANCE OF:</p> <ul style="list-style-type: none"> • SHORELINE BUFFER ZONES • SEPTIC SYSTEMS • DRAINAGE & RUNOFF

SHORELINE BUFFER ZONES - 15 meters of vegetation

- The heavy intense rains will cause leaching and only the roots of vegetation will help filter and absorb the phosphorus in the runoff before reaching the lake
 - **EROSION ON THE SHORELINE LEADS TO SERIOUS REPERCUSSIONS**
 - IMMEDIATE REMEDIATION OF ANY ERODED BARE SAND/SOIL IS NECESSARY**

SEPTIC SYSTEMS

- Highly maintained systems, especially around lakes are top priority.
- Many cottages have seen much more human activity recently, so maintenance needs to be comparable.

DRAINAGE and RUNOFF

- Stormwater is unavoidable but its effects can be reduced by filtering and diverting it away from the lake.
- Well drained gravel driveways and proper ditching will help limit erosion runoff. Avoid paving at the lake.

Do you have a conforming shoreline and septic system ?

WE CAN MAKE A DIFFERENCE