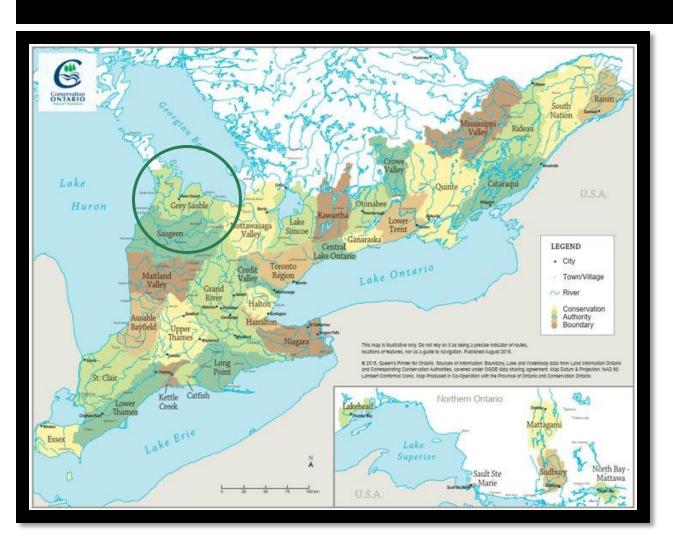


What is a Conservation Authority?





- Conservation
 Authorities Act
 enacted in 1946
- Watershed based
- 36 Authorities across Ontario
- Local agencies, local issues

Focus on Flood Warning, Planning & Regulations, Forestry, Lands, Stewardship, Water Quality, Drinking Water Source Protection, etc.

What is Grey Sauble Conservation Authority's Area of Jurisdiction?





Grey Sauble's Mission Statement:

In partnership with stakeholders of the watershed, to promote and undertake sustainable management of renewable natural resources and to provide responsible leadership to enhance bio-diversity and environmental awareness.

Vision Statement:

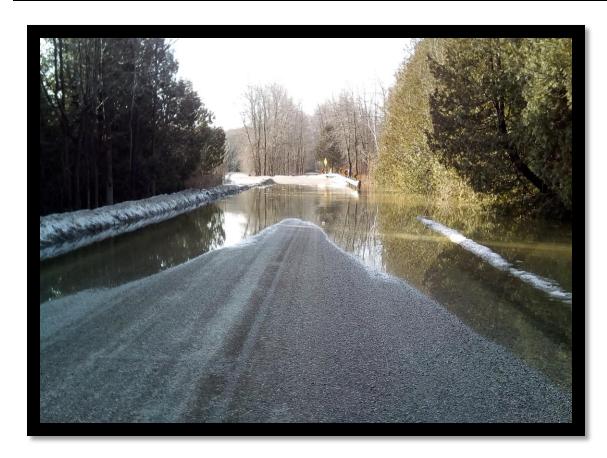
A healthy watershed environment <u>in</u> balance with the needs of society.

Drinking Water Source Protection Mission Statement:

Providing leadership to engage the entire community in developing comprehensive, responsible solutions to protect our water resources.

What does the Conservation Authority Do?





- In Ontario, water and related land management are the responsibility of Conservation Authorities, in addition to MNRF, DFO and other agencies
- Conservation Authorities represent the Province, regarding 'Natural Hazards'
- Also provide advice on the conservation of land and our natural infrastructure through environmental planning and stewardship programs.
- Administers development regulations under the Conservation Authorities Act.

Protecting People and Property



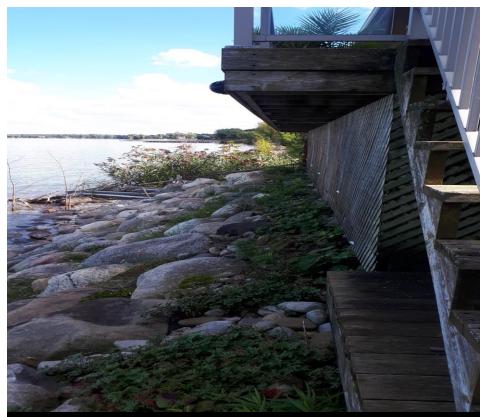
Ontario Reg. 151/06

GSCA's Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation



What is Ontario Regulation 151/06?

- This regulation was put in place by the Province of Ontario in 2006 specific to the Grey Sauble Watersheds to regulate Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation. All other Conservation Authorities have similar regulations.
- Permits issued by GSCA are issued under this regulation.
- A copy of the text of the regulation is available on the GSCA website and the text takes precedence over the online mapping resources.



Ontario Reg. 151/06

GSCA's Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation



What are the Activities Regulated by the Conservation Authority?

Section 28 (25) of the C.A. Act defines "Development" as:

- a) the construction, reconstruction, erection or placing of a building or structure of any kind,
- b) any change to a building or structure that would

have the effect of altering the use or potential use of the building or structure, or increasing the size of the building or structure or

increasing the number of dwelling units in the building or structure,

- c) site grading,
- d) the temporary or permanent placing, dumping or removal of any material, originating on the site or elsewhere.



Ontario Reg. 151/06

GSCA's Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation



What are the Areas Regulated by the Conservation Authority?

- Hazardous Lands
- River or Stream Valleys
- Watercourses
- Wetlands
- 'Areas of Interference' next to wetlands
- Shorelines of Lake Huron and Georgian Bay
- Inland Lakes
- And associated allowances
- Link to definitions click here page 46.





GSCA's Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation



What are the Hazards Being Regulated for Lake Huron & Georgian Bay Shoreline?

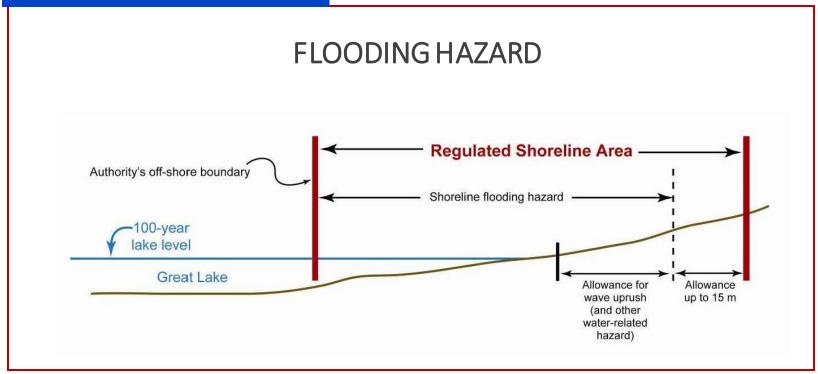
The Regulated Area includes lands that are close or adjacent to the shoreline that could be affected by hazards, such as:

- * flooding
- * erosion
- * dynamic beaches

Lake Huron/Georgian Bay Shoreline Flooding Hazard and Regulated Area



SHORELINE REGULATION LIMIT

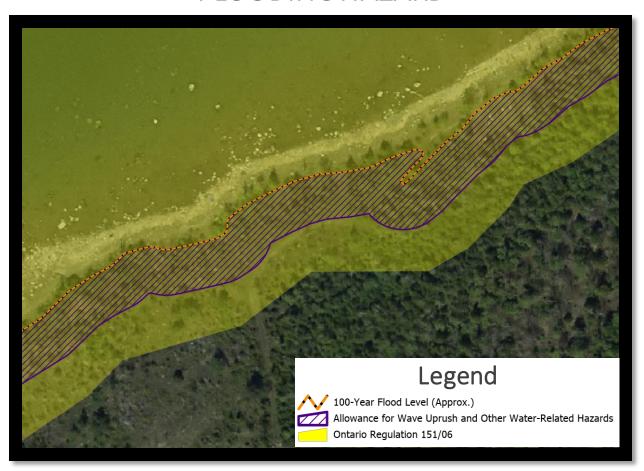


The *flooding hazard* is based on the 100 -year flood limit including wave uprush and other water-related hazards

Lake Huron/Georgian Bay Shoreline Regulation and Hazard Mapping Examples

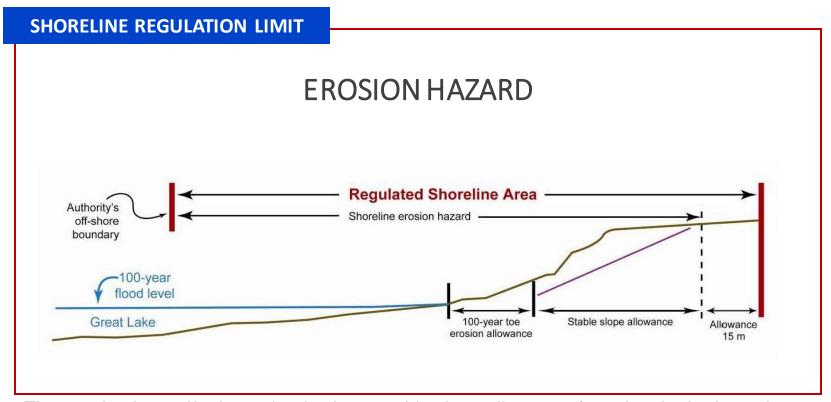


FLOODING HAZARD



Lake Huron/Georgian Bay Shoreline Erosion Hazard and Regulated Area





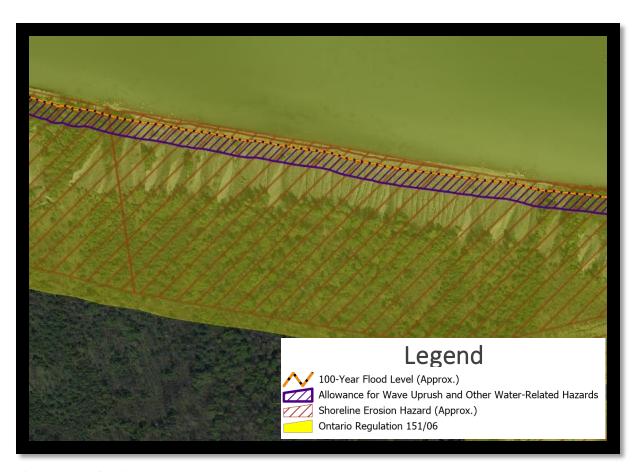
The *erosion hazard* is determined using a stable slope allowance (equal to the horizontal distance

measured landward from the toe of the slope equal to 3 times the height of the cliff, bluff or bank) and an erosion allowance equal to 100 times the average annual recession rate (mapped as 15 metres in the absence of a detailed study).

Lake Huron/Georgian Bay Shoreline Regulation and Hazard Mapping Examples

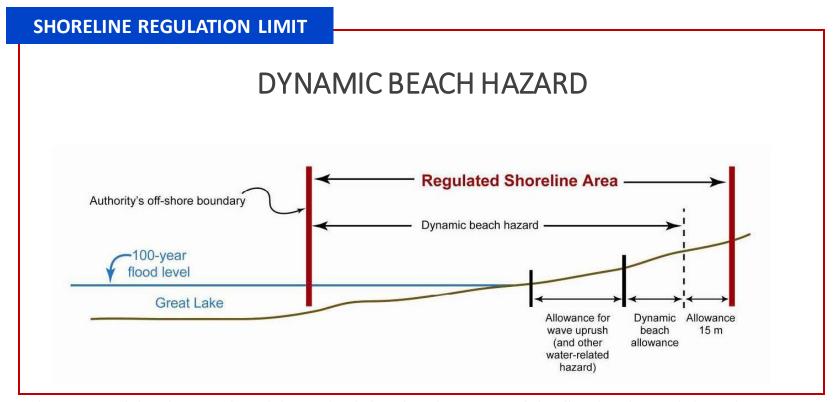


EROSION HAZARD



Lake Huron/Georgian Bay Shoreline Dynamic Beach Hazard and Regulated Area





The extent of the *dynamic beach hazard* is defined as the extent of the *flooding hazard* plus a dynamic beach allowance of 30 metres

Lake Huron/Georgian Bay Shoreline Regulation and Hazard Mapping Examples



DYNAMIC BEACH HAZARD



GSCA Review of Shoreline Processes for Proposals





- Lake Huron shoreline processes
 are particularly active during times
 of high lake levels and/or high
 wind situations.
- These processes, if not allowed to naturally occur, could accelerate and impact surrounding properties.
- The majority of the GSCA's shoreline has historically been developed and concern for existing infrastructure now arises.
- The GSCA evaluates proposals and encourages integration of natural processes with the built environment.

GSCA Review of Shoreline Proposals





The GSCA's purpose in our role is to ensure that:

- Proposals do not negatively impact erosion, control of flooding or dynamic beaches and will not increase these hazards on the subject property, for neighbouring properties or cumulatively along the shoreline.
- Likewise, that proposals will not be negatively impacted by erosion, control of flooding or dynamic beach hazards.
- The conservation of land or potential pollution will be taken into consideration when reviewing the proposed design.

GSCA Review of Shoreline Protection Proposals





Repair or Replacement of Existing Protection

- GSCA Permit Required
- Engineering may be required (always recommended)

New Erosion Protection for Dwellings

- GSCA Permit Required
- Requires the support of a qualified coastal engineer

Emergency Works (for the Protection of Dwelling)

- GSCA permit required but understand circumstances may require immediate interim measures prior to obtaining a permit. (i.e. sand bagging)
- Protection might be considered temporary until confirmed to be appropriate by a coastal engineer.
- Consultation with GSCA is required prior to completing the works.

Landscape works

- GSCA Permit required for change in grade or for new structures.
- Generally does not require the support of a qualified coastal engineer.
- Works will be directed to areas not affected by wave uprush and other water related hazards.
- Native vegetation and plantings will be encouraged.

Do I Need GSCA Review/Permission?



Is the subject area within GSCA's regulated area?

Step 1

- At the shoreline it is likely that you will require GSCA permission to undertake development
- Use GSCA's online permit guide, or contact the GSCA via telephone or email to inquire
- Contact other agencies, such as MNRF, DFO, municipalities, etc.

Shoreline and Planning Issues/permits Contacts:

Office Number: 519-376-3076 (please use email during COVID-19 Closure)

To contact planning staff please send an email to: planningpermits @greysauble.on.ca

Or use our online contact form here.

Do I Need GSCA Review/Permission?



Is the subject area within GSCA's regulated area?

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- Contact other agencies, such as MNRF, DFO, municipalities, indigenous communities

Does what I'm proposing need a permit?

Step 2

- At the shoreline there are very few exemptions.
- If your proposal entails:
 <u>filling</u>, <u>grading</u>,
 <u>excavations</u>, <u>placement</u> of
 <u>material or a structure</u>,
 <u>repair</u>, <u>maintenance or</u>
 <u>conversion of structure</u>
 GSCA staff have interest
 to review the works

Do I have a site plan or proposal ready to submit?

Step 3

- GSCA staff require a site plan and a description of the proposal to begin its review.
- Examples of site plans can be found in the permit application guide on the GSCA website.
- <u>Permit Application</u>
 <u>Guide</u>

Do I Need GSCA Review/Permission?



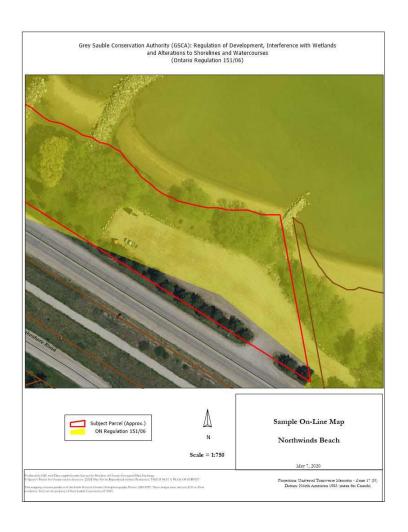
Examples of Shoreline Projects of Interest

- Any new buildings or structures (houses, additions, decks, boathouses, etc.)
- Grading, filling or installation of structures to address erosion concerns
- New or improved watercourse outlets, municipal infrastructure (road, trail, underground, etc.)
- Repair or replacements of existing structures, including shorewalls, shore wells and revetments

EXAMPLE DRAWING ONLY:

Online Mapping Resources





For your property of interest online mapping can be found at the following:

- GSCA Regulation Mapping and guides link
 - https://www.greysauble.on.
 ca/planning regulations/planning regulations-introduction/
- Bruce County GIS Mapping (Conservation Authority layer)
 - https://brucecounty.on.ca/ maps
- Grey County Map Site
 - https://maps.grey.ca/

Other Contacts Working in and Around Water



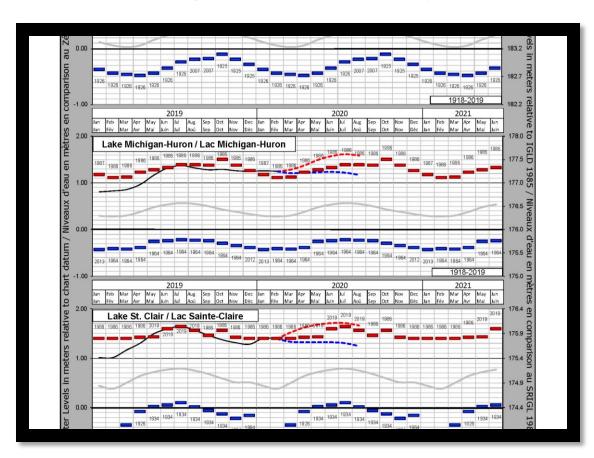
Ministry of Natural Resources and Forestry (MNRF)	Federal Department of Fisheries and Oceans (DFO)	Indigenous Communities	Local Municipalities
 Public Lands Act may be affected. Registration process Permit process Exemptions Contacts: MNRFpermits@Ontario.ca Robert Herbst Lands & Water Technical Specialist (Acting) 705-725-7597 GREY/BRUCE robert.herbst@ontario.ca Ryan Stapleton Lands & Water Technical Specialist 705-725-7564 SIMCOE ryan.stapleton@ontario.ca https://www.ontario.ca/page/crow n-land-work-permits 	 In water works and impacts on fish habitat under the Federal Fisheries Act. Timing Restrictions https://www.dfo-mpo.gc.ca/pnw-ppe/indexeng.html You can send a request for review through this webpage. 	 Under the Public Lands Act, The Crown has a duty to consult with First Nation and Métis communities where issuance of a work permit has the potential to adversely affect existing or credibly asserted, established or Aboriginal or treaty rights protected under Section 35 of Canada's Constitution Act, 1982. Within the GSCA watershed you can contact the following communities: Historic Saugeen Métis http://saugeenmetis.com/ The Métis Nation of Ontario http://www.metisnation.org/ 	 Typically the Building department would be involved in new structures The public works department may be involved if municipal sewer, water and/or stormwater facilities are involved. The Roads or Transportation department may be involved if drainage and/or road allowances are involved. You can check for Land Use Planning information on County and Municipal websites and/or with municipal staff. (I.e. Official Plan designations and Zoning information)
		- Saugeen First Nation https://saugeenfirstnation.ca/ - Chippewas of Nawash	

Unceded First Nation https://www.nawash.ca/

Other Online Resources



- https://www.greysauble.on.ca/water-management/current-watershed-conditions/
- Wind and wave predictions <u>www.windy.com</u>



- Environment and Climate Change Canada - Level News
 - https://www.canad a.ca/content/dam/ eccc/levelnews/20 20/LEVELnews 202 0 03 e.pdf
- Monthly Water Level Bulletin
 - https://waterlevels. gc.ca/C&A/bulletineng.html
 - Coastal Centre
 - <u>Lake Huron Coastal</u>
 <u>Centre</u>

