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 in 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
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.
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.
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.
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
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

Legend

100-Year Flood Level (Approx.)

- Allowance for Wave Uprush and Other Water-Related Hazards
- Ontario Regulation 151/06

Hibou Conservation 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

Clay Banks in Meaford
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

Legend
- 100-Year Flood Level (Approx.)
- Allowance for Wave Uprush and Other Water-Related Hazards
- Dynamic Beach Hazard
- Ontario Regulation 151/06

Sauble Beach
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.
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.
Shoreline and Planning Issues/permits Contacts:

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

Town of South Bruce Peninsula
Lauren McGregor extension 246 l.mcgregor@greysauble.on.ca
Andrew Sorensen extension 227 a.sorensen@greysauble.on.ca

Township of Georgian Bluffs/City of Owen Sound
Mac Plewes extension 230 m.plewes@greysauble.on.ca
Justine Lunt extension 242 j.lunt@greysauble.on.ca

Town of the Blue Mountains/ Municipality of Meaford
Jacob Kloeeze extension 235 j.Kloeze@greysauble.on.ca
Andrew Sorensen/Justine Lunt
**Do I Need GSCA Review/Permission?**

**Is the subject area within GSCA's regulated area?**
- At the shoreline it is likely that you will require GSCA permission to undertake development
- Use GSCA’s online mapping tools, or contact the GSCA via email to inquire
- Contact other agencies, such as MNRF, DFO, municipalities, indigenous communities

**Does what I’m proposing need a permit?**
- At the shoreline there are very few exemptions.
- If your proposal entails: filling, grading, excavations, placement of material or a structure, repair, maintenance or conversion of structure GSCA staff have interest to review the works

**Do I have a site plan or proposal ready to submit?**
- 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.
- [Permit Application Guide](#)

These steps can be found in our [Navigating The Process Document](#)
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/](https://www.greysauble.on.ca/planning-regulations/planning-regulations-introduction/)
- Bruce County GIS Mapping (Conservation Authority layer)
  - [https://brucecounty.on.ca/maps](https://brucecounty.on.ca/maps)
- Grey County Map Site
  - [https://maps.grey.ca/](https://maps.grey.ca/)
### Other Contacts

**Working in and Around Water**

<table>
<thead>
<tr>
<th>Ministry of Natural Resources and Forestry (MNRF)</th>
<th>Federal Department of Fisheries and Oceans (DFO)</th>
<th>Indigenous Communities</th>
<th>Local Municipalities</th>
</tr>
</thead>
</table>
| • 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/crown-land-work-permits | • In water works and impacts on fish habitat under the Federal Fisheries Act.  
• Timing Restrictions  
• 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:  
  - Saugeen First Nation [https://saugeenfirstnation.ca/](https://saugeenfirstnation.ca/)  
  - Chippewas of Nawash Unceded First Nation [https://www.nawash.ca/](https://www.nawash.ca/) | • 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) |
Other Online Resources

- [https://www.greysauble.on.ca/water-management/current-watershed-conditions/](https://www.greysauble.on.ca/water-management/current-watershed-conditions/)
- Wind and wave predictions – [www.windy.com](http://www.windy.com)

- Environment and Climate Change Canada - Level News
  - [https://www.canada.ca/content/dam/eccc/levelnews/2020/LEVELnews_2020_03_e.pdf](https://www.canada.ca/content/dam/eccc/levelnews/2020/LEVELnews_2020_03_e.pdf)

- Monthly Water Level Bulletin

- Coastal Centre
  - Lake Huron Coastal Centre
QUESTIONS?

Contact Us by Email.