



**Grand River Conservation Authority  
Agenda - General Meeting**

Friday, June 23, 2023

9:30 a.m.

Hybrid Meeting of the General Membership

GRCA Administration Centre

Zoom Virtual Meeting

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	<b>Pages</b>
<b>1. Call to Order</b>	
<b>2. Certification of Quorum</b>	
<b>3. Chair's Remarks</b>	
<b>4. Review of Agenda</b>	
THAT the agenda for the General Membership Meeting be approved as circulated.	
<b>5. Declarations of Pecuniary Interest</b>	
<b>6. Minutes of the Previous Meeting</b>	1
THAT the minutes of the General Membership Meeting of May 26, 2023 be approved as circulated.	
<b>7. Business Arising from Previous Minutes</b>	
<b>8. Hearing of Delegations</b>	
<b>9. Presentations</b>	
a. Unauthorized Activity at Rockwood Conservation Area - Pam Walther-Mabee, Manager of Conservation Area Operations	
<b>10. Correspondence</b>	
THAT Correspondence from Danielle Ripsman, Colleen B., Liz Maffett, Ben Webster, and Jessie Blake regarding unauthorized rock climbing activities at Rockwood Conservation Area, and from Jennifer Saunders regarding protection of Ontario wetlands be received as information.	
a. Rock climbers re: Unauthorized Activity at Rockwood Conservation Area	9
b. Jennifer Saunders re: Wetlands Protection	14
<b>11. 1st and 2nd Reading of By-Laws</b>	

**12. Reports:**

- a. GM-06-23-49 - Capacity Measures and Operational Improvements at the Elora Quarry 15
- THAT Report Number GM-06-23-49 Capacity Measures and Operational Improvements at the Elora Quarry be received as information.
- b. Ad-hoc Conservation Authorities Act Regulations Committee - June 7, 2023 17
- THAT the minutes of the Ad-hoc Conservation Authorities Act Regulations Committee Meeting of June 7, 2023 be received as information.
- c. GM-06-23-47 - Progress Report #5 - Ontario Regulation 687/21 20
- THAT Progress Report #5 be approved, circulated to all participating Grand River watershed municipalities, posted on the Grand River Conservation Authority website, and submitted to the Ministry of Natural Resources and Forestry in accordance with Ontario Regulation 687/21.
- d. GM-06-23-48 - Cash and Investment Status 22
- THAT Report Number GM-06-23-48 – Cash and Investment Status – May 2023 be received as information.
- e. GM-06-23-52 - Financial Summary 24
- THAT the Financial Summary for the period ending May 31, 2023 be approved.
- f. GM-06-23-51 - Request for Proposals - Engineering Consulting Services, Permits and Plan Review 44
- THAT the Grand River Conservation Authority accept the proposal from Stantec Consulting Limited to carry out engineering consulting services up to the amount of \$150,000, excluding HST.
- g. GM-06-23-50 - Dunnville Two Zone Floodplain Policy and Mapping Update, County of Haldimand 46
- THAT a Two Zone Floodplain Policy Area for portions of Dunnville be endorsed;
- AND THAT the updated floodplain mapping, as prepared by J.L Richards & Associates Limited (June 2022), be used as the guiding document when dealing with planning matters and permit applications in the study area.
- AND THAT amendments to the Grand River Conservation Authority's Ontario Regulation 150/06 mapping be approved to incorporate the revisions to the floodplain and associated regulated allowance.
- h. GM-06-23-53 - Current Watershed Conditions 49
- THAT Report Number GM-06-23-53 – Current Watershed Conditions as of June 14, 2023 be received as information.

- i. GM-06-23-54 - Foundation Member Appointments

Report pending GRCF Annual General Meeting on June 21, 2023

- 13. **Committee of the Whole**
- 14. **General Business**
- 15. **3rd Reading of By-Laws**
- 16. **Other Business**
- 17. **Closed Meeting**

THAT the General Membership enter a closed meeting in accordance with the *Municipal Act section 239(2)* for the following purpose(s): litigation or potential litigation.

- a. Minutes of the previous closed session
- b. Litigation or Potential Litigation

- 18. **Next Meeting - August 25, 2023 at 9:30 a.m. (Hybrid)**
- 19. **Adjourn**

Regrets only to:

Office of the Chief Administrative Officer, Phone: 519-621-2763 ext. 2200



## Grand River Conservation Authority Minutes - General Membership Meeting

Date: May 26, 2023  
Time: 9:30 am  
Location: Hybrid Meeting of the General Membership

Members Present Bruce Banbury, Christine Billings, Gino Caputo, John Challinor II, Doug Craig, Mike Devine, Jim Erb, Susan Foxtan, Guy Gardhouse, Gord Greavette, Lisa Hern, Daniel Lawrence, Dave Miller, Natasha Salonen, Sandy Shantz, Rob Shirton, Jerry Smith, Shawn Watters, Chris White, Kari Williams

Regrets Ken Yee Chew, Brian Coleman, Kevin Davis, Colleen James, Alex Wilson, Pam Wolf

Staff Samantha Lawson, Karen Armstrong, Beth Brown, Krista Bunn, Brandon Heyer, Janet Ivey, Lisa Keys, Katelyn Lynch, Sonja Radoja, Lisa Stocco, Pam Walther-Mabee, Marijan Blazevic, Shari Dahmer, Mitch Jewson, Melissa Larion, Eowyn Spencer

Others Martina Cotter

### 1. Call to Order

The Meeting was called to order by the Chair at 9:38 a.m.

### 2. Certification of Quorum

The Secretary-Treasurer certified quorum with more than half of the Members present. A total of 20 Members attended the meeting.

### 3. Chair's Remarks

The following Chair's remarks were made during the preceding Source Protection Authority meeting and are copied here for ease of reference:

- The GRCA has received notification of approved funding under the provincial Water Erosion Control Infrastructure for 2023/2024 which is an annual cost-sharing grant provided by the province.
- The Township of Wilmot will be hosting the grand opening of the Mike Schout Wetlands Preserve on Saturday, June 10 at 10:00 a.m. The project involved returning this Township owned land to naturalized wetlands including a 1.6 km raised boardwalk that winds its way through the wetland ponds. Some members may recall our previous member for Wilmot (Mayor Les Armstrong) sharing information about this project in previous years, as the GRCA was involved in some of the review and planning process. If any of our members would like more information, please reach out to the Township directly, or E.Spencer can provide contact information if needed.

- The Grand River Conservation Foundation and the Grand Champions group are hosting the return of the annual Grand Champions luncheon on June 22 at the GRCA. Presentations will highlight the 2021/2022 annual report, and the GRCF strategic plan. Board members have been invited and can follow up with staff if planning to attend. Staff would appreciate an RSVP by June 8.
- Ron Gasparetto has joined the GRCA team as the Manager of Conservation Lands. Ron brings over 25 years of experience in municipal real estate, asset management, and property management with his most recent role being the Manager of Real Estate Services with the City of Brantford.

**4. Review of Agenda**

23-81

**Moved By** Jerry Smith

**Seconded By** Doug Craig

THAT the agenda for the General Membership Meeting be approved as circulated.

**Carried**

**5. Declarations of Pecuniary Interest**

There were no declarations of pecuniary interests made in relation to the matters to be dealt with.

**6. Minutes of the Previous Meeting**

23-82

**Moved By** Shawn Watters

**Seconded By** Susan Foxtan

THAT the minutes of the General Membership Meeting held on April 28, 2023 be approved as circulated.

**Carried**

**7. Business Arising from Previous Minutes**

There was no business arising from the minutes of the previous meeting.

**8. Hearing of Delegations**

N.Salonen joined the meeting at 9:40 a.m.

**8.a Martina Cotter - Entrance fees at Elora Quarry**

- Martina Cotter addressed the General Membership to share concerns regarding the entrance fees at Elora Quarry since it was removed as one of the conservation areas where entry is included with the annual membership pass. The delegation shared that the Elora Quarry has been a memorable and affordable place to visit and requested that the Board reconsider the capacity limit currently in place at the Quarry to increase it from 200 people for a half-day to 300 people, and that GRCA membership pass holders be allowed to access the Quarry with their membership pass and no additional fees.
- The Chair thanked the delegation for the presentation and request and called for questions. Some additional Board members thanked the delegation, and S.Watters requested that staff bring a report back to the Board to provide background information related to capacity management measures taken at the Quarry.

- The Chair and Board agreed, and Land Management staff were advised to bring a report to a future meeting for consideration. The Chair added that no decision would be made at this meeting.

**9. Presentations**

There were no Presentations.

**10. Correspondence**

**10.a Natasha Huyer re: Wetlands Protection**

23-83

**Moved By** Susan Foxton

**Seconded By** Shawn Watters

THAT Correspondence from Natasha Huyer regarding protection of Ontario wetlands be received as information.

**Carried**

**11. 1st and 2nd Reading of By-Laws**

None.

**12. Reports:**

**12.a Conservation Authorities Act Committee - May 10, 2023**

There were no comments or questions regarding the Minutes of the Conservation Authorities Act Committee.

23-84

**Moved By** Gord Greavette

**Seconded By** Bruce Banbury

THAT the minutes of the Ad-hoc Conservation Authorities Act Committee meeting held on May 10, 2023 be received as information.

**Carried**

**12.b GM-05-23-42 - 2024 Budget Framework - New Regulations**

- K.Armstrong began a presentation providing an overview of the requirements under Ontario Regulation 402/22, which impacts conservation authorities' budget framework.
- The presentation highlighted the anticipated timelines of the budget process, as well as the four phases of the process identified in the new regulation. A high-level overview of each budget phase was provided, along with key decisions that will need to be made by the Board, and proposed timelines for the budget process.
- S.Radoja continued the presentation with a detailed overview of key elements of the new budget framework using a chart. It was reiterated that this template is built on broad-based assumptions with an average 2.5% increase across all program areas to provide a general overview of the framework and is not a first draft of the 2024 budget.
- The framework chart illustrated assumptions on revenue and expenditures, categorized programs and services with estimated costs and funding sources, as well as potential off-setting program costs with the use of reserves and surplus.
- S.Radoja noted that the main takeaway from this template is that assuming operations as normal, and that category two programs and services are allocated using the same apportionment method as for category one, the apportionment increase will remain in line with previous years' levy increases.

- Staff identified that the Ad-hoc CA Act Committee is supportive of the proposed framework. Board-level discussion and approval will be required throughout the budget process and will be presented as per regulatory requirements.
- In response to questions from the Board, staff provided the following points:
  - Draft Category 2 Memorandums of Understanding have been circulated to participating municipalities at the staff level for feedback before final versions are presented for approval.
  - The Transition Reserve was approved by the Board in 2020 to assist with costs related to transitioning through changes related to legislative updates, and pandemic-related expenditures.
  - With respect to inflationary impacts, labour is a significant expense in each budget year, and the collective agreement is now in place so the costs are known, however more specific discussion about an appropriate budget increase will occur at a future meeting.
  - For program costs under category two expenses, it is being suggested that the apportionment be allocated to participating municipalities using the same method as for category one, which is modified current value assessment. There are a fixed number of programs in category two that are currently the same for all participating municipalities; additional programming or service requests would be handled individually with a separate agreement and funding.
- The Chair thanked staff for the presentation.

23-85

**Moved By** John Challinor II

**Seconded By** Mike Devine

THAT Report Number 05-23-42 – Budget 2024 - Draft Framework be received as information.

**Carried**

J.Erb exited the meeting at approximately 10:15 a.m.

### **12.c General Membership Composition Committee - May 17, 2023**

- K.Armstrong provided an overview of the history of the City of Hamilton's modified levy allocation and representation on this Board.
- In 2001, amalgamation of a group of municipalities to become the City of Hamilton could have triggered a significant increase in the levy allocation. At the time, the City and the four conservation authorities which share the jurisdiction came to an agreement that allowed for a modification of the modified current value assessment (MCVA) methodology that reflected the actual assessment in the geographical space within each conservation authority, and then allocated the levy for all participating municipalities to reflect the modified calculation following the agreement.
- In 2014, Niagara Peninsula Conservation Authority questioned the validity of the agreement and notified the City that the MCVA method would be applied without a modification as per the agreement, beginning with the 2015 budget. This began an appeal and judicial review process which ultimately resulted in the decision that the agreement was invalid. As a result, the City of Hamilton's levy allocation for the GRCA increased by 412% in 2018.
- The presentation included a brief background of the Board's composition, highlighting that currently, the GRCA bases its composition on a 1994 Order-in-Council (OIC). The OIC was requested by a re-organization committee of the

General Members, which was appointed to reduce the high number of board members from 44 municipal and 6 provincial members.

- Following the City of Hamilton's increase in levy in 2018, the City requested that their number of representatives on the GRCA Board be increased from 1 member to 2 members.
- Conservation Authority membership, per legislation, can be determined by the population-based method, or an agreement by all participating municipal councils. An Order-in-Council is also a legally valid method for determining membership and the GRCA has obtained legal advice to confirm that the 1994 OIC continues to be valid.
- The Composition Committee discussed several options for reviewing board membership and considered the process and implications of each option. The Committee is recommending that the Board continues to follow the OIC, and that the Chair requests a meeting with the Minister of Natural Resources and Forestry to consider the option to amend the OIC to increase the City of Hamilton's membership from 1 to 2 members. It was highlighted that this meeting will be a preliminary discussion to determine if this option would be possible. A formal request to amend the OIC would require a GRCA board motion supporting the new composition structure, and motions from all participating municipalities' councils, and then a formal request to amend could be submitted to the Minister.
- K.Armstrong responded to a question noting that the increase in GRCA's levy in 2018 for Hamilton went from 4% to 12% of the total levy. S.Foxton added that due to the increase in levy for the City of Hamilton, the other participating municipalities saw a respective decrease in the levy allocation, as the total amount of levy didn't increase but the distribution changed.
- The Chair noted that a challenge remains as the province may release further regulatory updates which could impact composition or changes to municipalities in the watershed, and also noted that an increase in representation for Hamilton will not change the impact on a weighted vote as that reflects their increased apportionment. The Chair also noted that there are no governance issues on the GRCA Board and the Board functions well.
- There was a minor amendment suggested to the staff recommendation as presented in the agenda, which was displayed on screen for the Board.

23-86

**Moved By** John Challinor II

**Seconded By** Susan Foxton

THAT the minutes of the General Membership Composition Review Committee meeting held on May 17, 2023 be received as information.

**Carried**

23-87

**Moved By** John Challinor II

**Seconded By** Rob Shirton

THAT the General Membership continues to support the status quo Order-in-Council for determining membership composition;

AND THAT the Chair requests a meeting with the Minister of Natural Resources and Forestry to discuss amending the Order-in-Council to increase the City of Hamilton's membership from 1 to 2 members.

**Carried**

## 12.d GM-05-23-40 - Cash and Investment Status



D.Miller inquired if investments are regulated, how investments are selected, and if the GRCA works with an advisor. S.Radoja noted that the GRCA is regulated with respect to investments. She indicated that staff look at cash flow needs, interest rates, and other relevant factors at the time when investment decisions are made and that staff do work with an investment advisor.

23-88

**Moved By** Christine Billings

**Seconded By** Sandy Shantz

THAT Report Number GM-05-23-40 Cash and Investment Status – April 2023 be received as information.

**Carried**

**12.e GM-05-23-41 - Financial Summary**

There were no comments or questions regarding this report.

23-89

**Moved By** John Challinor II

**Seconded By** Bruce Banbury

THAT the Financial Summary for the period ending April 30, 2023 be approved.

**Carried**

**12.f GM-05-23-45 - Changes to the Land Disposition Process for Section 38 Land Holdings**

There were no comments or questions regarding this report.

23-90

**Moved By** John Challinor II

**Seconded By** Jerry Smith

THAT Report Number GM-05-23-45 – Changes to Land Disposition Process for Section 39 Land Holdings be received as information.

**Carried**

23-91

**Moved By** Bruce Banbury

**Seconded By** Mike Devine

THAT the 2008 Property Disposition Guidelines for Establishing Standards for Sustainable Development policy be rescinded.

**Carried**

**12.g GM-05-23-43 - ERO Posting 019-6813 - Review of proposed policies adapted from A Place to Grow and Provincial Policy Statement**

There were no comments or questions regarding this report.

23-92

**Moved By** Shawn Watters

**Seconded By** Gord Greavette

THAT Report Number GM-05-23-43 – Review of proposed policies adapted from A Place to Grow and Provincial Policy Statement to form a new provincial planning policy instrument be approved and submitted to the Environmental Registry of Ontario.

**Carried**

**12.h GM-05-23-44 - Provincial Offences Act Officer Designation - Section 29 (Conservation Areas)**

There were no comments or questions regarding this report.

23-93

**Moved By** Guy Gardhouse

**Seconded By** Dave Miller

THAT the Grand River Conservation Authority appoint Caden Hammond, Spencer Ireland, and Taylor Schell as Provincial Offences Act Officers to enforce section 29 of the Conservation Authorities Act.

**Carried**

**12.i GM-05-23-46 - Current Watershed Conditions**

23-94

There were no comments or questions regarding this report.

**Moved By** Rob Shirton

**Seconded By** Mike Devine

THAT Report Number GM-05-23-46 – Current Watershed Conditions as of May 15, 2023 be received as information.

**Carried**

**13. Committee of the Whole**

Not required.

**14. General Business**

There was no General Business.

**15. 3rd Reading of By-Laws**

None.

**16. Other Business**

There was no Other Business.

**17. Closed Meeting**

The General Membership convened in closed session and the live meeting stream was paused.

23-95

**Moved By** Lisa Hern

**Seconded By** Sandy Shantz

THAT the General Membership enter a closed meeting in accordance with the *Municipal Act section 239(2)* for the following purpose(s): proposed or pending acquisition or disposition.

**Carried**

23-96

**Moved By** John Challinor II

**Seconded By** Bruce Banbury

THAT the General Membership reconvene in open session.

**Carried**

The General Membership reconvened in open session.

**17.a Minutes of the previous closed session**

23-97

**Moved By** John Challinor II

**Seconded By** Gord Greavette

THAT the Minutes of the previous closed session be approved.

**Carried**

**17.b Proposed or pending acquisition or disposition of land - City of Kitchener**

23-98

**Moved By** Shawn Watters

**Seconded By** Kari Williams

IN ORDER to further the objects of the Grand River Conservation Authority by ensuring a continuous land assembly of Grand River Conservation Authority lands in the City of Kitchener;

THEREFORE BE IT RESOLVED THAT the Grand River Conservation Authority declare surplus and convey to the City of Kitchener those lands described as Part of Lots 11-12 Beasley's Broken Front, formerly in the Township of Waterloo, now in the City of Kitchener and Regional Municipality of Waterloo, to be more particularly described as PINs 227320011 and 227330557, for the nominal consideration of \$2.00;

AND THAT the Grand River Conservation Authority accept, in exchange, those lands described as former road allowances over part of lots 118 & 124 German Company Tract in the former Township of Waterloo, now the City of Kitchener and Regional Municipality of Waterloo, to be more particularly described as PINs 225550199, 225550200 and 227131003 for the nominal consideration of \$2.00.

**Carried**

**18. Next Meetings - Friday, June 23, 2023 at 9:30 a.m. (Hybrid)**

**19. Adjourn**

The meeting was adjourned at 10:58 a.m.

23-99

**Moved By** Susan Foxton

**Seconded By** John Challinor II

THAT the meeting of the General Membership be adjourned.

**Carried**

Chair

Secretary-Treasurer

**From:** [Grand River Conservation Authority](#)  
**To:** [Samantha Lawson](#)  
**Subject:** FW: Climbing Access at Rockwood Conservation  
**Date:** June 7, 2023 12:16:24 PM

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**From:** Danielle Atara Ripsman [REDACTED]  
**Sent:** Tuesday, June 6, 2023 5:53 PM  
**To:** Pam Walther-Mabee <pwalthermabee@grandriver.ca>; Samantha Lawson <slawson@grandriver.ca>  
**Cc:** Grand River Conservation Authority <grca@grandriver.ca>  
**Subject:** Climbing Access at Rockwood Conservation

Hello Pamela, Samantha and anyone else this may concern,

My name is Danielle, and I've been a graduate student here in the Waterloo region for the past 6 years. In that time, this region has become my home and I have built a community around climbing both outdoors and at the local gyms.

I read about the removal of bolts and anchors at Rockwood Conservation today, and I have to be honest, this is really disheartening. A lot of money, thought and volunteer hours go into establishing routes for the climbing community to enjoy, and you are definitely sending a signal that you are not willing to provide a huge swath of the community with public access to a natural resource.

Ontario has some of the strictest climbing access rules in the world, despite its thriving climbing community. As people that are passionate about sharing the outdoors, I find it puzzling that you would cut off a whole community of advocates for time in nature, that are thriving particularly in your region. While all outdoor activities come with a risk (particularly, fire, wildlife, and personal injury for your hiking and camping communities), we all share a common goal of sharing a common good, and preserving things for generations to come.

I was wondering why climbers have been seemingly left out of the discussion with regards to access, and how we might work towards bridging this gap.

Looking forward to hearing back from you.  
Sincerely,

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**Danielle A. Ripsman, MAsc**  
PhD Candidate  
Department of Management Sciences  
University of Waterloo

**From:** [Grand River Conservation Authority](#)  
**To:** [Samantha Lawson](#)  
**Subject:** FW: Climbing Access/Routes  
**Date:** June 8, 2023 8:33:21 AM

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**From:** Bean B. [REDACTED]  
**Sent:** Wednesday, June 7, 2023 8:43 PM  
**To:** Grand River Conservation Authority <[grca@grandriver.ca](mailto:grca@grandriver.ca)>  
**Subject:** Climbing Access/Routes

I am writing to find out why the GRCA is doing everything they can to destroy any possibility for climbers to set and follow routes. I have been informed that within the past couple of days you have been destroying existing routes and in the process people have witnessed the crew you have working also destroying trees. What exactly is your reasoning for discriminating against people who have a love for climbing and the outdoors, from being able to do this? As a family that has been purchasing multiple yearly memberships over the years, this treatment is making us want to just stick with our Provincial Parks passes instead.

I find it very difficult to understand how an organization that is all about conservation of the outdoors, is destroying the natural landscape that is a part of the GRCA. From what I recall, I would venture a guess that there would be people at the University of Guelph that would be quite upset that this is happening. Also, what does destroying trees have to do with the climbing routes?

Colleen

Sent from [Mail](#) for Windows

**From:** [Grand River Conservation Authority](#)  
**To:** [Samantha Lawson](#)  
**Subject:** FW: Rockwood Climbing Bolt Removal  
**Date:** June 7, 2023 12:16:47 PM

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**From:** Liz Maffett [REDACTED]  
**Sent:** Wednesday, June 7, 2023 10:37 AM  
**Subject:** Rockwood Climbing Bolt Removal

Hello Ms Walther-Mabee and Ms Lawson,

I would like to register my disappointment in your organization. It is incredibly ignorant and cruel of you to remove the bolts from a historic rock climbing area like Rockwood without consultation of the community or of the Ontario Alliance of Climbers.

I am sure you are aware that climbers have repeatedly attempted to meet and discuss the reopening of climbing at Rockwood. **We are willing to pay to use the area, sign waivers to remove your liability, and help with the creation of infrastructure and trails that will keep the flora and fauna safe.** We have worked with Niagara Parks, Halton Parks, and many other organizations to bring awareness to Leave No Trace practices. **Climbers are a respectful user group with money, time, and a love of nature.**

In our world of screens, it's so important for people to get outside and connect with the natural world. Please allow us to work with you to create a management plan for Rockwood that will help us all to grow and thrive.

Thank you.

Liz Maffett  
[REDACTED]

**From:** [Grand River Conservation Authority](#)  
**To:** [Samantha Lawson](#)  
**Subject:** FW: Rockwood Climbing  
**Date:** June 7, 2023 12:16:12 PM

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-----Original Message-----

From: Ben Webster [REDACTED]  
Sent: Tuesday, June 6, 2023 7:00 PM  
To: Grand River Conservation Authority <[grca@grandriver.ca](mailto:grca@grandriver.ca)>  
Subject: Rockwood Climbing

Dear Grand River Conservation Authority,

I am writing as a longtime resident of both Southwestern, Ontario and also Southwestern British Columbia, who has travelled around the world to rock climb.

I can say with high confidence I have never been anywhere in the world that has such low support for recreational rock climbing from government and park authorities as Southern Ontario. In British Columbia, the provincial and municipal governments will actively act to promote and improve climbing infrastructure. They recognize the value of climbing as a recreation pursuit that keeps citizens healthy and engaged with local ecology. Climbing societies and communities have a long history of environmental stewardship and promoting leave no trace ethics. I would encourage you to look to the Smoke Bluffs Park in Squamish, British Columbia and its management plan as well as the Stawamus Chief Provincial Park and Skaha Bluffs Park in Penticton for models of how climbing recreation can be an integral part of a successful park.

South of the border, one can look at Red Rock in Las Vegas, Yosemite National Park and Joshua Tree National Park to show that climbing can safely exist in public places even in the most litigious nation on Earth.

Please engage with the Ontario Alliance of Climbers to create a park management plan that includes climbing and brings responsible individuals out into nature as our public spaces are intended.

I would gladly be available for a telephone conversation if you wish to discuss this. I am also happy to share more information on how some of the above mentioned areas incorporating climbing if you need frameworks for a future model that includes climbing.

Best Regards,

Benjamin Webster  
[REDACTED]  
[REDACTED]

**From:** [Grand River Conservation Authority](#)  
**To:** [Samantha Lawson](#)  
**Subject:** FW: Climbing in Rockwood  
**Date:** June 7, 2023 1:49:15 PM

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**From:** Jessie Blake [REDACTED]  
**Sent:** Wednesday, June 7, 2023 1:30 PM  
**To:** Grand River Conservation Authority <[grca@grandriver.ca](mailto:grca@grandriver.ca)>; Samantha Lawson <[slawson@grandriver.ca](mailto:slawson@grandriver.ca)>; Pam Walther-Mabee <[pwalthermabee@grandriver.ca](mailto:pwalthermabee@grandriver.ca)>; [chris.white@get.on.ca](mailto:chris.white@get.on.ca); [steven.liebig@get.on.ca](mailto:steven.liebig@get.on.ca)  
**Subject:** Climbing in Rockwood

Hello,

I recently learned that bolts for rock climbing routes are being chopped in and near Rockwood conservation area. I would like to know the logic behind this action and the logic behind the restriction of climbing in this area.

Considering the numerous recreational activities promoted by the GRCA I do not understand why climbers are excluded as users of these areas. Given that some available activities are riskier than rock climbing (e.g. swimming), safety is not a valid reason to prohibit climbing. Also, considering the numerous studies published which show climbing does not present a significant risk to endangered cliffside species (since routes are in areas where there is no vegetation), there is no valid ecological basis for this restriction. Further to this point, in my experience, climbers are a much more ecologically conscious group than other recreationists, providing many opportunities to partner with this community to create a sustainable management plan that could benefit the conservation area (e.g. with clean up days, promotion of best practices, invasive species removal projects).

Considering all the above, I cannot think of any valid reason to restrict climbing within GRCA managed land. On the contrary, I can think of many benefits to allowing climbing. The climbing community in Ontario is sorely lacking access to outdoor areas where climbing is officially permitted. When climbing areas are maintained well, rock climbing offers a safe recreational opportunity for young and old to be active and out in nature. Without these areas, climbers (including my family of 5 with three climbers under the age of 12) are relegated to indoor spaces, removed from the environment they should be forming strong attachments to. Rockwood has the highest concentration in Ontario of quality rock climbs above 5.13. This area could be an international destination, attracting significant tourism money to the Guelph-Eramosa township and significant permit money to the GRCA.

Overall, I think with these restrictions an opportunity is being lost and I await your response to the points raised.

Thank you for your time,  
Jessie Blake



**From:** [LOUIS SAUNDERS](#)  
**To:** [Jaime.Tellier@conservationhamilton.ca](mailto:Jaime.Tellier@conservationhamilton.ca); [Tamara.Chipperfield@cvc.ca](mailto:Tamara.Chipperfield@cvc.ca); [gbivol@npca.ca](mailto:gbivol@npca.ca); [Eowyn Spencer](#); [admin@hrca.on.c](mailto:admin@hrca.on.c)  
**Date:** Sunday, June 11, 2023 10:51:43 PM

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**As a concerned member of the public and regular user of Conservation Authorities, I ask you to please use your knowledge and expertise to contact and influence the Federal Government to intervene where Bill 23 threatens Ontario's wetlands. Since at risk species and fisheries fall under federal jurisdiction, please use all means possible to quickly protect wildlife and woodlots which will be destroyed under Bill 23 and its total disregard for the value of wetlands and the Greenbelt. Federal MPs need to intervene protect Ontario Wetlands and Greenbelt and stop Bill 23 for our children and future generations. Our forests, wetlands, wildlife and fish are so important, they must be protected.**

Jennifer Saunders

# Grand River Conservation Authority

**Report number:** GM-06-23-49

**Date:** June 23, 2023

**To:** General Membership

**Subject:** Capacity Measures and Operational Improvements at the Elora Quarry

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## Recommendation:

THAT Report Number GM-06-23-49 Capacity Measures and Operational Improvements at the Elora Quarry be received as information.

## Summary:

The Grand River Conservation Authority (GRCA) purchased the Elora Quarry in 1976 and opened it to the public the following year. The Quarry has proven to be one of the most popular attractions in the GRCA watershed with high attendance every year, particularly over the last 10 years.

Several challenges arose with the increased popularity at the Quarry, including increased pressure on staff for security, maintenance, and traffic control, and a negative impact on the environment in the Quarry and visitor experience.

After the 2017 operating season, GRCA staff began to implement operational improvements at the Quarry to help manage the challenges. The Quarry closed for the entire season in 2020 due to the COVID pandemic. When it reopened in 2021, a pilot project was implemented to manage capacity that included an online reservation system, limited capacity, and designated paid parking requirements. This pilot was successful, and these parameters were permanently implemented at the Quarry.

Grand River Conservation Area membership cards are not valid at the Quarry so all visitors to the Quarry must pay for admission, and parking if applicable. This exclusion was implemented in 2021 and is identified on all promotional material and on the membership card letter that accompanies the card upon purchase.

Additional information about concerns and proposed mitigation measures were shared with the General Membership in the following reports: [GM-12-17-124](#), [GM-12-18-119](#), [GM-11-19-109](#), and [GM-11-21-83](#).

## Report:

The GRCA purchased the Elora Quarry in 1976 and opened it to the public the following year. The Quarry has proven to be one of the most popular attractions in the GRCA watershed with high attendance every year, particularly over the last 10 years.

Several challenges arose with the increased popularity at the Quarry, including increased pressure on staff for security, maintenance, and traffic control, and a negative impact on the environment in the Quarry and visitor experience. These challenges increased operational costs, including the addition of security, infrastructure, and external resources including off-duty Ontario Provincial Police (OPP) officers directing traffic on municipal roads.

The local municipality, the Township of Centre-Wellington, and the Ontario Provincial Police (OPP) began to share concerns about public safety and traffic issues related to the Quarry. People were trespassing into the Quarry through unauthorized access points, including through

other people's private property, to avoid long line-ups. There were significant vehicular traffic concerns on County Road 18 in Elora as the line-up to get into the Quarry would completely stop the flow of traffic on the two-lane road. This also created emergency access concerns.

In 2019, although measures implemented to that time had helped address some of the challenges at the Quarry related to capacity, traffic congestion accessing the park and trespassing issues persisted. Staff proposed to implement timed reservation access, and a modified user fee similar to that of other GRCA services in Conservation Areas such as tubing. Visitors would be limited to one of two four-hour timeslots through pre-registration and a limited number of visitors would be allowed entrance during each timeslot. This approach did not allow membership holders to use their pass for access and they would be required to pay for this additional service, similar to other programs within conservation areas. The plan was to implement these changes during the 2020 season.

The COVID pandemic halted these changes, and the Elora Quarry did not open in 2020. There continued to be significant trespassing concerns during the closure in 2020 and security costs were incurred to manage this issue. Perimeter fencing was scheduled to be installed in 2020 at the Quarry and that project was able to proceed, which has also helped reduce trespassing into the Area.

When the Quarry re-opened in 2021, the modified operations plan was implemented with positive feedback from municipal partners, the OPP, and Quarry visitors, including reduced environmental impact to the site, improved visitor experience, limited vehicle lineups on municipal roads, appreciation for efforts to eliminate parking at other businesses in the community, and the reduced reliance on paid off-duty OPP officers for support with traffic management and trespassing issues.

2023 is now the third season with the revised operations plan, and the Elora Quarry is still benefiting from the changes. Staff continues to receive positive feedback from municipal staff, the OPP, and visitors to the Quarry.

Currently, at the Quarry, the adult day pass is \$10.50, senior/person with a disability pass is \$7.50, child pass is \$5.50, and parking is \$15 for a four-hour time slot. There are two time slots available each day and visitors can pre-register online for any available timeslot. Grand River Conservation Area membership cards are not valid at the Quarry so all visitors to the Quarry must pay for admission, and parking if applicable. This exclusion was implemented in 2021 and is identified on all promotional material and on the membership card letter that accompanies the card upon purchase.

### **Financial Implications:**

The Elora Quarry Conservation Area generates approximately \$450,000 a year in revenue.

### **Other Department Considerations:**

Not applicable.

### **Prepared by:**

Pam Walther-Mabee  
Manager of Conservation Area  
Operations

### **Approved by:**

Lisa Keys  
Director of Land Management



## Grand River Conservation Authority Minutes – CA Act Regulations Committee

Date: June 7, 2023  
Time: 1:00 p.m.  
Location: GRCA Zoom Virtual Meeting  
Link to be distributed via email prior to meeting  
Members Present: John Challinor II, Susan Foxtton, David Miller, Shawn Watters, Chris White  
Staff: Samantha Lawson, Karen Armstrong, Sonja Radoja, Eowyn Spencer

### 1. Call to Order

The meeting was called to order by the Chair at 1:00 p.m.

### 2. Certification of Quorum

Quorum was certified with all Members present.

### 3. Review of Agenda

**Moved by:** Susan Foxtton

**Seconded by:** John Challinor

THAT the agenda for the Conservation Authorities Act Regulations Committee Meeting be approved as circulated.

**Carried.**

### 4. Declarations of Pecuniary Interest

### 5. Minutes of the Previous Meeting

**Moved by:** Shawn Watters

**Seconded by:** David Miller

THAT the minutes of the previous Conservation Authorities Act Regulations Committee Meeting held on May 10, 2023 be approved as circulated.

**Carried.**

### 6. Discussion Items:

#### 6.1. Programs and services listing update

- K.Armstrong provided an update on the programs and services inventory, noting that when amendments have been made since the original version of February 28, 2022, the updated version has been circulated to the province and partner municipalities to advise them of the changes. This practice is not a regulatory requirement, although some additional amendments have been updated since the most recently approved version, as staff work through the budget framework being implemented for the 2024

budget year, there are likely going to be some additional changes in the next few months. As a result, staff would prefer to wait to do another updated version at this point until the new budget framework is better defined. The Committee supported this approach.

## **6.2. Quarterly Progress Report – Due July 1, 2023**

- S.Lawson provided a brief overview of the required progress report, noting that a draft Category 2 MOU has been circulated to partner municipalities at the staff level.
- Feedback has been requested by the end of June. The timeline is intended to provide time to present an updated draft to the GRCA Board at the August meeting, with final approvals and council presentations going into September and October.

**Moved by:** John Challinor

**Seconded by:** Shawn Watters

THAT the Ad-hoc Conservation Authorities Act Committee recommends to the General Membership:

THAT Progress Report #5 be approved, circulated to all participating Grand River watershed municipalities, posted on the GRCA website, and submitted to the Ministry of Environment, Conservation, and Parks in accordance with Ontario Regulation 687/21.

**Carried.**

## **6.3. Feedback on Category Two MOUs**

- S.Lawson noted that the updates and ongoing meetings with municipal staff provided a strong baseline of information so that municipalities were already well-informed when the draft MOU was recently circulated.
- At this time little feedback has been received, and some municipalities have noted support for the MOU in its current draft. GRCA staff anticipate that feedback received may be more administrative in nature.
- J.Challinor asked if a common theme of questions or concerns has been identified through discussions with municipalities. S.Lawson noted that for the most part municipal staff have been supportive. For some groups, further discussion with neighbouring municipalities will occur, and the GRCA has been meeting with adjacent conservation authorities where applicable, as well.
- J.Challinor also asked if it is premature to engage GRCA Board members as representatives of their respective municipalities, and if an FAQ can be prepared for the Board. S.Lawson said that the GRCA Board members will be advised in advance when the final MOU is circulated and included on Council agendas, and that staff will be happy to attend Council meetings at the request of respective Board members, as well. An FAQ related to the category 2 programs and services and the MOU required will be prepared to assist in fielding questions Board members may receive.
- D.Miller asked if any municipalities identified concerns with the expense apportionment as presented. S.Lawson noted that information highlighted to staff is that the scope of the programs and services in category 2 represents a small portion of the overall budget, and most municipalities have expressed appreciation that these program and service costs are being calculated using the same apportionment method as category 1 programs and services.

## **7. Other Business**

There was no Other Business.

## **8. Next Meeting – At the Call of the Chair**

**9. Adjourn**

**Moved by:** John Challinor

**Seconded by:** Susan Foxton

THAT the meeting of the Ad-hoc Conservation Authorities Act Committee be adjourned.

**Carried.**

The meeting was adjourned at 1:12 p.m.

# Grand River Conservation Authority

**Report number:** GM-06-23-47

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Progress Report #5- Ontario Regulation 687/21

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## Recommendation:

THAT Progress Report #5 be approved, circulated to all participating Grand River watershed municipalities, posted on the Grand River Conservation Authority website, and submitted to the Ministry of Natural Resources and Forestry in accordance with Ontario Regulation 687/21.

## Summary:

Not applicable.

## Report:

As a requirement under *Ontario Regulation 687/21*, the Grand River Conservation Authority (GRCA) developed and approved a Transition Plan (December 17, 2021) and Inventory of Programs and Services (February 28, 2022). The Inventory of Programs and Services is based on the three categories identified in the Regulation. These categories include (1) Mandatory, (2) Municipally requested, and (3) Other (Authority determines are advisable).

As required under Ontario Regulation 687/21 and identified in GRCA's Transition Plan, the GRCA is providing its Progress Report. Under the Regulation the Progress Reports must include the following;

- Any comments or other feedback submitted by a municipality regarding the inventory.
- A summary of any changes that the Authority has made to the inventory to address comments or other feedback- including a copy of the changed inventory and a description of changes.
- An update on the progress of negotiations on agreements with participating municipalities
- Any difficulties that the Authority is experiencing that might affect the ability of the Authority to complete the transition plan milestones.

## Progress Report Details

- 1) Municipal Comments/Feedback:
  - At this time, staff have not received any formal comments or concerns from the participating municipalities regarding the Inventory of Programs and Services.
- 2) Summary of Changes to Inventory of Programs and Services:
  - No changes at this time.
- 3) Update on the Progress of Negotiations with Participating Municipalities on Category 2 Programs and Services:
  - At this time, the GRCA is on track with the schedule identified in the GRCA's Transition Plan.

- GRCA staff have met with and circulated to all participating municipalities a draft MOU agreement for Category 2 Programs and Services. Municipal comments are requested by the end of June.
  - GRCA staff will continue to work with neighbouring Conservation Authorities (where possible) to help streamline the process of negotiations with shared participating municipalities on Category 2 Programs and Services.
- 4) Difficulties Reaching Transition Plan Milestones:
- At this time, there have not been any difficulties identified in meeting transition plan milestones.

Once the Progress Report is approved, it will be circulated to all watershed municipalities and the Ministry of Natural Resources and Forestry. The Progress Report will also be posted on GRCA's website for public access.

**Financial Implications:**

Not applicable.

**Other Department Considerations:**

Not applicable.

**Submitted by:**

Samantha Lawson  
Chief Administrative Officer



# Grand River Conservation Authority

**Report number:** GM-06-23-48

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Cash and Investment Status – May 2023

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## **Recommendation:**

THAT Report Number GM-06-23-48 Cash and Investment Status – May 2023 be received as information.

## **Summary:**

The cash position including Notes Receivable of the Grand River Conservation Authority as at May 31, 2023 was \$56,548,676 with outstanding cheques written in the amount of \$57,565.

## **Report:**

See attached.

## **Financial Implications:**

Interest rates, etc. are shown on the report.

## **Other Department Considerations:**

Not applicable.

## **Prepared by:**

Carol Anne Johnston  
Senior Accountant

## **Approved by:**

Karen Armstrong  
Deputy CAO/Secretary Treasurer

Sonja Radoja  
Manager of Corporate Services

**Grand River Conservation Authority  
Cash and Investments Status Report  
May 31, 2023**

BANK ACCOUNTS	Location	Type	Amount	Interest Rate
	CIBC	Current Account	8,526,961	4.90%
	RBC	Current Account	114,547	nil
	Wood Gundy	Current Account	158,333	nil
	CIBC - SPP Holding	Current Account	578,293	4.90%
	<b>TOTAL CASH - CURRENT ACCOUNT</b>		<b>9,378,134</b>	

INVESTMENTS	Date Invested	Location	Type	Amount	Face Value Interest Rate	Yield Rate	Date of Maturity	2023 Total Interest Earned/ Accrued
		CIBC Renaissance	High Interest Savings Account	7,500,000	4.05%	4.05%	not applicable	219,451
		CIBC High Interest	High Interest Savings Account	4,232,018	4.05%	4.05%	not applicable	115,047
		One Investment Savings	High Interest Savings Account	4,507,168	4.965%	4.965%	not applicable	222,256
	October 23, 2019	Cdn Western Bank	Bond	2,010,000	2.800%	2.78%	September 6, 2024	55,625
	December 23, 2019	Laurentian Bank	Bond	3,821,000	3.450%	2.57%	June 27, 2023	48,406
	January 16, 2020	Cdn Western Bank	Bond	3,000,000	2.597%	2.45%	September 6, 2024	73,383
	September 15, 2021	Cdn Western Bank	Bond	1,500,000	2.597%	1.21%	September 6, 2024	18,537
	September 23, 2021	Province of Ontario	Bond	2,300,000	1.230%	1.23%	December 2, 2026	27,156
	September 23, 2021	ManuLife Financial	Bond	2,000,000	2.237%	1.34%	May 12, 2030	37,326
	December 8, 2021	Province of B.C.	Bond	2,050,356	1.180%	1.18%	December 18, 2023	22,978
	December 14, 2022	Royal Bank	Bond	2,000,000	2.333%	4.87%	December 5, 2023	87,901
	December 14, 2022	National Bank	Bond	4,054,000	2.983%	4.84%	March 4, 2024	190,857
	December 14, 2022	CIBC	Bond	4,100,000	3.300%	4.36%	May 26, 2025	174,281
	December 14, 2022	Bank of Montreal	Bond	4,096,000	2.700%	4.59%	September 11, 2024	182,053
		<b>TOTAL INVESTMENTS</b>		<b>47,170,542</b>				<b>\$1,475,257</b>
		<b>TOTAL CASH AND INVESTMENTS</b>		<b>\$56,548,676</b>				
		* Reserve Balance at December 31st, 2022		33,621,402				

**Investment By Institution**

	<u>% of Total Portfolio</u>
TD Bank	0%
C.I.B.C.	34%
Royal Bank	4%
Bank of Montreal	9%
National Bank	9%
Cdn Western Bank	14%
Laurentian	8%
ManuLife Financial Bank	4%
One Investment Program	10%
Province of B.C.	4%
Province of Ontario	5%
	<u>100%</u>

\* Reserve balances are reviewed annually by the Board in November.

# Grand River Conservation Authority

**Report number:** GM-06-23-52

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Financial Summary for the Period Ending May 31, 2023

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## **Recommendation:**

THAT the Financial Summary for the period ending May 31, 2023 be approved.

## **Summary:**

The Financial Statements include the 2023 *actual* year-to-date income and expenditures. The budget approved at the February 24, 2023 General Meeting is included in the *Budget* column. The *Current Forecast* column indicates an estimate of income and expenditures for the whole year. At this time a net surplus of \$311,000 at year-end is anticipated.

## **Report:**

The Financial Statements for the period ending May 31, 2023 are attached.

- A. Self-Generated Revenue increased by \$80,000
  - Burford Nursery tree sale revenue is forecast to increase by \$80,000 due to increased tree planting activity
- B. Operating Expenses increased by \$80,000
  - Forestry program expenses increased by a total of \$80,000 due to a \$60,000 increase in seed and plant materials and a \$20,000 increase in chemicals and fertilizers at the Burford Nursery

## **Financial Implications:**

The activity summarized will result in a \$311,000 surplus as at December 31, 2023.

## **Other Department Considerations:**

The management committee and appropriate supervisory staff receive monthly financial reports and advise the finance department of applicable forecast adjustments.

## **Prepared by:**

Kayleigh Keighan  
Financial Controller

## **Approved by:**

Karen Armstrong  
Deputy CAO/Secretary-Treasurer

**GRAND RIVER CONSERVATION AUTHORITY  
FINANCIAL SUMMARY - FORECAST**

General Membership - June 23, 2023

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**FORECAST - April 30, 2023 - NET RESULT**

**\$311,000**

CHANGES - MAY 2023

Sch 5 Forestry

\$80,000  
(\$60,000)  
(\$20,000)

Self Generated Revenue increased - Burford Nursery  
Other Operating Expenses increased - Nursery Seed & Plant Materials  
Other Operating Expenses increased - Chemicals & Fertilizers

**\$0**

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**FORECAST - May 31, 2023 - NET RESULT**

**\$311,000**

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**GRAND RIVER CONSERVATION AUTHORITY  
STATEMENT OF OPERATIONS  
FOR THE PERIOD ENDING May 31, 2023**

<b>SCHEDULE</b>		<b>Actual 2022</b>	<b>Budget 2023</b>	<b>Actual YTD</b>	<b>Previous Forecast</b>	<b>Current Forecast</b>	<b>Forecast Change</b>
<b><u>REVENUE</u></b>							
<b><u>Municipal</u></b>							
General Municipal Levy (Operating)	various	11,580,000	12,018,000	4,006,000	12,018,000	12,018,000	-
General Municipal Levy (Capital)	various	950,000	950,000	316,667	950,000	950,000	-
Special Municipal Levy	various	99,593	130,000	305	130,000	130,000	-
Other	various	536,972	825,000	1,216,823	825,000	825,000	-
		<b>13,166,565</b>	<b>13,923,000</b>	<b>5,539,795</b>	<b>13,923,000</b>	<b>13,923,000</b>	<b>-</b>
<b><u>Government Grants</u></b>							
NDMNRF Transfer Payments	various	449,688	449,688	-	449,688	449,688	-
Source Protection Program-Provincial	various	569,995	640,000	188,167	602,000	602,000	-
Other Provincial	various	688,888	982,500	714,802	982,500	982,500	-
Federal	various	431,024	190,000	283,116	190,000	190,000	-
		<b>2,139,595</b>	<b>2,262,188</b>	<b>1,186,085</b>	<b>2,224,188</b>	<b>2,224,188</b>	<b>-</b>
<b><u>Self Generated</u></b>							
<b>User Fees and Sales</b>							
<i>Enquiries and Permits</i>	4	591,330	590,000	253,038	590,000	590,000	-
<i>Plan Input and Review</i>	4	598,852	554,000	251,317	554,000	554,000	-
<i>Consulting</i>	4	-	-	3,726	-	-	-
<i>Nursery and Woodlot Management</i>	5	636,389	415,000	538,079	570,000	650,000	80,000
<i>Conservation Lands Income</i>	10	65,050	71,000	3,778	71,000	71,000	-
<i>Conservation Areas User Fees</i>	13	11,232,460	10,000,000	3,288,037	10,000,000	10,000,000	-
<i>Nature Centres and Camps</i>	8	519,747	-	234,813	9,000	9,000	-
<i>Merchandising and Sales</i>	8	872	-	-	-	-	-
Property Rentals	11	2,910,172	3,006,000	1,636,136	3,006,000	3,006,000	-
Hydro Generation	12	589,334	580,000	207,975	580,000	580,000	-
Land Sales	10	15,196,404	-	-	-	-	-
Grand River Conservation Foundation	various	435,141	527,000	14,929	527,000	527,000	-
Donations	various	23,473	635,000	56,935	635,000	635,000	-
Landowner Contributions	5	163,602	180,000	171,713	180,000	180,000	-
Investment Income	14	866,001	1,350,000	576,013	1,350,000	1,350,000	-
Miscellaneous Income	various	27,822	35,000	2,801	35,000	35,000	-
<b>Total Self-Generated Revenue</b>		<b>33,856,649</b>	<b>17,943,000</b>	<b>7,239,290</b>	<b>18,107,000</b>	<b>18,187,000</b>	<b>80,000</b>
<b>TOTAL REVENUE</b>		<b>49,162,809</b>	<b>34,128,188</b>	<b>13,965,170</b>	<b>34,254,188</b>	<b>34,334,188</b>	<b>80,000</b>

**GRAND RIVER CONSERVATION AUTHORITY**  
**STATEMENT OF OPERATIONS**  
**FOR THE PERIOD ENDING May 31, 2023**

	SCHEDULE	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>EXPENSES</b>							
<b>OPERATING</b>							
Water Resources Planning & Environment	1	1,979,753	2,373,900	953,351	2,267,900	2,267,900	-
Flood Forecasting and Warning	2	774,798	923,000	438,147	923,000	923,000	-
Water Control Structures	3	1,667,314	1,944,200	564,143	1,944,200	1,944,200	-
Resource Planning	4	2,229,262	2,574,200	862,539	2,574,200	2,574,200	-
Forestry & Conservation Land Property Taxes	5	1,327,936	1,402,500	667,839	1,402,500	1,482,500	80,000
Conservation Services	6	449,256	605,700	184,383	605,700	605,700	-
Communications & Foundation	7	406,064	597,500	195,370	543,500	543,500	-
Environmental Education	8	817,034	810,100	440,749	819,100	819,100	-
Corporate Services	9	4,048,436	3,890,790	1,602,778	3,857,790	3,857,790	-
Conservation Lands	10	2,100,710	2,613,600	1,098,529	2,542,600	2,542,600	-
Property Rentals	11	1,257,435	1,665,200	375,173	1,618,200	1,618,200	-
Hydro Production	12	250,261	95,500	29,805	95,500	95,500	-
Conservation Areas	13	8,144,188	8,500,000	1,932,671	8,500,000	8,500,000	-
Miscellaneous	14	19,233	-	17,185	-	-	-
Information Systems	16	1,171,003	1,557,000	551,867	1,557,000	1,557,000	-
Motor Pool	16	1,001,110	939,000	400,689	950,000	950,000	-
Less: Internal Charges (IS & MP)	16	(2,172,113)	(2,496,000)	(952,556)	(2,507,000)	(2,507,000)	-
<b>Total OPERATING Expenses</b>		<b>25,471,680</b>	<b>27,996,190</b>	<b>9,362,662</b>	<b>27,694,190</b>	<b>27,774,190</b>	<b>80,000</b>
<b>CAPITAL</b>							
Water Resources Planning & Environment	1	56,922	110,000	19,891	110,000	110,000	-
Flood Forecasting and Warning	2	188,310	190,000	87,926	190,000	190,000	-
Water Control Structures	3	1,347,653	1,500,000	267,139	1,500,000	1,500,000	-
Nature Centres	8	-	-	-	-	-	-
Conservation Areas	13	934,152	2,000,000	1,276,562	2,000,000	2,000,000	-
Corporate Services	9	-	-	-	-	-	-
Information Systems	16	154,773	170,000	25,090	170,000	170,000	-
Motor Pool	16	615,925	850,000	542,635	850,000	850,000	-
Less: Internal Charges (IS & MP)	16	(390,588)	(241,000)	(462,643)	(230,000)	(230,000)	-
<b>Total Capital Expenses</b>		<b>2,907,147</b>	<b>4,579,000</b>	<b>1,756,600</b>	<b>4,590,000</b>	<b>4,590,000</b>	-
<b>SPECIAL</b>							
Water Resources Planning & Environment	1	127,969	210,000	64,892	210,000	210,000	-
Flood Forecasting and Warning	2	341,735	90,000	53,216	90,000	90,000	-
Forestry	5	52,653	100,000	1,939	100,000	100,000	-
Conservation Services	6	757,372	1,090,000	495,290	1,090,000	1,090,000	-
Environmental Education	8	26,600	500,000	1,866	500,000	500,000	-
Conservation Land Purchases/Land Sale Expe	10	17,660	-	3,637	-	-	-
Conservation Lands	10	229,921	-	76	-	-	-
Miscellaneous	14	27,323	35,000	765	35,000	35,000	-
Source Protection Program	15	569,995	640,000	188,167	602,000	602,000	-
<b>Total SPECIAL PROJECTS Expenses</b>		<b>2,151,228</b>	<b>2,665,000</b>	<b>809,848</b>	<b>2,627,000</b>	<b>2,627,000</b>	-
<b>Total Expenses</b>		<b>30,530,055</b>	<b>35,240,190</b>	<b>11,929,110</b>	<b>34,911,190</b>	<b>34,991,190</b>	<b>80,000</b>
<b>Gross Surplus</b>		<b>18,632,754</b>	<b>(1,112,002)</b>	<b>2,036,060</b>	<b>(657,002)</b>	<b>(657,002)</b>	-
<b>Prior Year Surplus Carryforward</b>		<b>567,177</b>	<b>562,502</b>	-	<b>562,502</b>	<b>562,502</b>	-
<b>Net Funding FROM/(TO) Reserves</b>		<b>(18,637,430)</b>	<b>549,500</b>	-	<b>405,500</b>	<b>405,500</b>	-
<b>NET SURPLUS</b>		<b>562,502</b>	-	<b>2,036,060</b>	<b>311,000</b>	<b>311,000</b>	-

**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 1 - Water Resources - Planning and Environment**  
**FOR THE PERIOD ENDING May 31, 2023**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b><u>Expenditures and Funding to Reserves</u></b>						
Compensation and Benefits	1,455,879	1,706,500	527,798	1,646,500	1,646,500	-
Administration Expenses	251,304	268,300	220,403	268,300	268,300	-
Insurance	166,978	234,000	188,062	188,000	188,000	-
Other Operating Expenses	105,592	165,100	17,088	165,100	165,100	-
<b>Total OPERATING Expenditures</b>	<b>1,979,753</b>	<b>2,373,900</b>	<b>953,351</b>	<b>2,267,900</b>	<b>2,267,900</b>	<b>-</b>
Instrumentation	52,343	60,000	19,891	60,000	60,000	-
Water Quality Monitoring Equipment	4,579	50,000	-	50,000	50,000	-
<b>Total CAPITAL Expenditures</b>	<b>56,922</b>	<b>110,000</b>	<b>19,891</b>	<b>110,000</b>	<b>110,000</b>	<b>-</b>
Waste Water Optimization Program	59,858	130,000	47,135	130,000	130,000	-
Upper Blair Drainage	68,111	80,000	17,757	80,000	80,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>127,969</b>	<b>210,000</b>	<b>64,892</b>	<b>210,000</b>	<b>210,000</b>	<b>-</b>
Transition Reserve	110,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>110,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>2,274,644</b>	<b>2,693,900</b>	<b>1,038,134</b>	<b>2,587,900</b>	<b>2,587,900</b>	<b>-</b>
<b><u>Funding</u></b>						
<b>Municipal</b>						
General Municipal Levy (Operating)	2,179,900	2,286,400	762,133	2,286,400	2,286,400	-
General Municipal Levy (Captial)	35,000	35,000	11,667	35,000	35,000	-
Special Levy	99,593	130,000	305	130,000	130,000	-
<b>Government Grants</b>						
Other Provincial	64,548	167,500	449,678	167,500	167,500	-
<b>Funding From Reserves</b>						
Gauges	-	75,000	-	75,000	75,000	-
<b>TOTAL FUNDING</b>	<b>2,379,041</b>	<b>2,693,900</b>	<b>1,223,783</b>	<b>2,693,900</b>	<b>2,693,900</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>104,397</b>	<b>-</b>	<b>185,649</b>	<b>106,000</b>	<b>106,000</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
Schedule 2 - Flood Forecasting and Warning  
FOR THE PERIOD ENDING May 31, 2023

How much does it cost, and who pays for it?

Expenditures and Funding to Reserves

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation and Benefits	439,764	579,000	207,562	579,000	579,000	-
Administration Expenses	235,412	236,000	158,587	236,000	236,000	-
Other Operating Expenses	99,622	108,000	71,998	108,000	108,000	-
<b>Total OPERATING Expenditures</b>	<b>774,798</b>	<b>923,000</b>	<b>438,147</b>	<b>923,000</b>	<b>923,000</b>	-
Hardware	166,241	88,000	68,242	88,000	88,000	-
Stream Gauges	22,069	102,000	19,684	102,000	102,000	-
<b>Total CAPITAL Expenditures</b>	<b>188,310</b>	<b>190,000</b>	<b>87,926</b>	<b>190,000</b>	<b>190,000</b>	-
Floodplain Mapping Projects	341,735	90,000	53,216	90,000	90,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>341,735</b>	<b>90,000</b>	<b>53,216</b>	<b>90,000</b>	<b>90,000</b>	-
<b>Total FUNDING to RESERVES</b>	<b>45,000</b>	-	-	-	-	-
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>1,349,843</b>	<b>1,203,000</b>	<b>579,289</b>	<b>1,203,000</b>	<b>1,203,000</b>	-

Funding

**Municipal**

General Municipal Levy (Operating)	678,662	698,662	232,887	698,662	698,662	-
General Municipal Levy (Capital)	165,000	165,000	55,000	165,000	165,000	-

**Government Grants**

MNRF Transfer Payments	164,338	164,338	-	164,338	164,338	-
Other Provincial	-	-	-	-	-	-
Federal	170,868	45,000	25,684	45,000	45,000	-

**Funding From Reserves**

Floodplain Mapping Projects & Gauges	170,867	70,000	-	70,000	70,000	-
Water Management Operating	-	60,000	-	60,000	60,000	-

<b>TOTAL REVENUE</b>	<b>1,349,735</b>	<b>1,203,000</b>	<b>313,571</b>	<b>1,203,000</b>	<b>1,203,000</b>	-
<b>Net Surplus/(Deficit)</b>	<b>(108)</b>	-	<b>(265,718)</b>	-	-	-



**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 3 - Water Control Structures**  
**FOR THE PERIOD ENDING May 31, 2023**

**How much does it cost, and who pays for it?**

**Expenditures and Funding to Reserves**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation and Benefits	1,181,410	1,399,500	477,827	1,399,500	1,399,500	-
Administration Expenses	20,257	29,200	19,623	29,200	29,200	-
Property Taxes	160,648	170,700	-	170,700	170,700	-
Other Operating Expenses	304,999	344,800	66,693	344,800	344,800	-
<b>Total OPERATING Expenditures</b>	<b>1,667,314</b>	<b>1,944,200</b>	<b>564,143</b>	<b>1,944,200</b>	<b>1,944,200</b>	<b>-</b>
<b>Total CAPITAL Expenditures</b>	<b>1,347,653</b>	<b>1,500,000</b>	<b>267,139</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>-</b>
<b>Total FUNDING to RESERVES</b>	<b>187,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>3,201,967</b>	<b>3,444,200</b>	<b>831,282</b>	<b>3,444,200</b>	<b>3,444,200</b>	<b>-</b>

**Funding**

**Municipal**

General Municipal Levy (Operating)	1,537,350	1,588,850	529,617	1,588,850	1,588,850	-
General Municipal Levy (Capital)	750,000	750,000	250,000	750,000	750,000	-

**Government Grants**

MNRF Transfer Payment	285,350	285,350	-	285,350	285,350	-
Provincial	585,229	700,000	158,228	700,000	700,000	-
Federal	44,509	-	-	-	-	-

**Funding From Reserves**

Water Control Structures	-	120,000	-	120,000	120,000	-
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<b>TOTAL REVENUE AND FUNDING FROM RESERVES</b>	<b>3,202,438</b>	<b>3,444,200</b>	<b>937,845</b>	<b>3,444,200</b>	<b>3,444,200</b>	<b>-</b>
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<b>Net Surplus/(Deficit)</b>	<b>471</b>	<b>-</b>	<b>106,563</b>	<b>-</b>	<b>-</b>	<b>-</b>
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**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 4 - Resource Planning**  
**FOR THE PERIOD ENDING May 31, 2023**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b><u>Expenditures and Funding to Reserves</u></b>						
Compensation and Benefits	1,987,108	2,297,000	655,274	2,297,000	2,297,000	-
Administration Expenses	223,619	222,500	191,529	222,500	222,500	-
Other Operating Expenses	18,535	54,700	15,736	54,700	54,700	-
<b>Total OPERATING Expenditures</b>	<b>2,229,262</b>	<b>2,574,200</b>	<b>862,539</b>	<b>2,574,200</b>	<b>2,574,200</b>	<b>-</b>
Personnel Reserve	-	-	-	-	-	-
Planning Enforcement/Transition	155,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>155,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>2,384,262</b>	<b>2,574,200</b>	<b>862,539</b>	<b>2,574,200</b>	<b>2,574,200</b>	<b>-</b>
<b><u>Funding</u></b>						
<b>Municipal</b>						
General Municipal Levy (Operating)	1,307,200	1,385,200	461,733	1,385,200	1,385,200	-
<b>Government Grants</b>						
Other Provincial	-	-	3,134	-	-	-
<b>Self Generated</b>						
Solicitor Enquiry Fees	81,155	90,000	32,617	90,000	90,000	-
Permit Fees	510,175	500,000	220,421	500,000	500,000	-
Plan Review Fees	598,852	554,000	251,317	554,000	554,000	-
Consulting	-	-	3,726	-	-	-
<b>Funding from Reserves</b>						
Water Management Operating	-	45,000	-	45,000	45,000	-
<b>TOTAL REVENUE</b>	<b>2,497,382</b>	<b>2,574,200</b>	<b>972,948</b>	<b>2,574,200</b>	<b>2,574,200</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>113,120</b>	<b>-</b>	<b>110,409</b>	<b>-</b>	<b>-</b>	<b>-</b>

**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 5 - Forestry & Conservation Lands Property Taxes**  
**FOR THE PERIOD ENDING May 31, 2023**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b><u>Expenditures and Funding to Reserves</u></b>						
Compensation and Benefits	492,827	553,000	191,908	553,000	553,000	-
Administration Expenses	48,990	54,300	47,704	54,300	54,300	-
Property Taxes	185,993	183,200	498	183,200	183,200	-
Other Operating Expenses	600,126	612,000	427,729	612,000	692,000	80,000
<b>Total OPERATING Expenditures</b>	<b>1,327,936</b>	<b>1,402,500</b>	<b>667,839</b>	<b>1,402,500</b>	<b>1,482,500</b>	<b>80,000</b>
Ecological Restoration	52,653	100,000	1,939	100,000	100,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>52,653</b>	<b>100,000</b>	<b>1,939</b>	<b>100,000</b>	<b>100,000</b>	<b>-</b>
<b>Total FUNDING to RESERVES</b>	<b>70,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>1,450,589</b>	<b>1,502,500</b>	<b>669,778</b>	<b>1,502,500</b>	<b>1,582,500</b>	<b>80,000</b>
<b><u>Funding</u></b>						
<b>Municipal</b>						
General Municipal Levy (Operating)	773,500	795,500	265,167	795,500	795,500	-
Municipal Other	1,903	-	-	-	-	-
<b>Government Grants</b>						
Provincial	906	-	-	-	-	-
<b>Self Generated</b>						
Nursery	499,790	400,000	367,672	400,000	480,000	80,000
Landowner Contributions (Tree Planting)	163,602	180,000	171,713	180,000	180,000	-
Donations - Foundation	44,025	27,000	-	27,000	27,000	-
Donations - Other	23,473	100,000	10,556	100,000	100,000	-
<b>Funding From Reserves</b>						
Forestry	-	-	-	-	-	-
<b>TOTAL REVENUE</b>	<b>1,507,199</b>	<b>1,502,500</b>	<b>815,108</b>	<b>1,502,500</b>	<b>1,582,500</b>	<b>80,000</b>
<b>Net Surplus/(Deficit)</b>	<b>56,610</b>	<b>-</b>	<b>145,330</b>	<b>-</b>	<b>-</b>	<b>-</b>

**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 6 - Conservation Services**  
**FOR THE PERIOD ENDING May 31, 2023**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b>Expenditures and Funding to Reserves</b>						
Compensation and Benefits	420,643	497,500	139,384	497,500	497,500	-
Administration Expenses	27,828	86,200	44,999	86,200	86,200	-
Other Operating Expenses	785	22,000	-	22,000	22,000	-
<b>Total OPERATING Expenditures</b>	<b>449,256</b>	<b>605,700</b>	<b>184,383</b>	<b>605,700</b>	<b>605,700</b>	<b>-</b>
RWQP Grants	532,595	800,000	276,880	800,000	800,000	-
Brant/Brantford Childrens Water Festival	-	35,000	26,246	35,000	35,000	-
Haldimand Childrens Water Festival	-	25,000	17,071	25,000	25,000	-
Species at Risk	69,695	70,000	48,923	70,000	70,000	-
Precision Agriculture-OMAFRA	27,057	-	-	-	-	-
Profit Mapping-OMAFRA	3,925	-	58,716	-	-	-
Great Lakes Protection Initiative	114,731	-	-	-	-	-
Great Lakes Agricultural Stewardship Initiative	928	75,000	1,395	75,000	75,000	-
Nature Smart Climate Solutions	8,441	85,000	66,059	85,000	85,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>757,372</b>	<b>1,090,000</b>	<b>495,290</b>	<b>1,090,000</b>	<b>1,090,000</b>	<b>-</b>
Watershed Restoration	87,000	-	-	-	-	-
Transition	-	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>87,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>1,293,628</b>	<b>1,695,700</b>	<b>679,673</b>	<b>1,695,700</b>	<b>1,695,700</b>	<b>-</b>
<b>Funding</b>						
<b>Municipal</b>						
General Municipal Levy (Operating)	555,200	574,700	191,567	574,700	574,700	-
Municipal Other	532,594	825,000	1,216,823	825,000	825,000	-
<b>Government Grants</b>						
Other Provincial	31,910	115,000	91,389	115,000	115,000	-
Federal	192,868	145,000	253,129	145,000	145,000	-
<b>Self Generated</b>						
Donations - Foundation	-	-	3,000	-	-	-
Donations - Other	-	35,000	46,379	35,000	35,000	-
<b>Funding From Reserves</b>						
Cambridge Desiltation Pond	663	1,000	-	1,000	1,000	-
<b>TOTAL REVENUE</b>	<b>1,313,235</b>	<b>1,695,700</b>	<b>1,802,287</b>	<b>1,695,700</b>	<b>1,695,700</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>19,607</b>	<b>-</b>	<b>1,122,614</b>	<b>-</b>	<b>-</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
Schedule 7 - Communications  
FOR THE PERIOD ENDING May 31, 2023

**How much does it cost, and who pays for it?**

**Expenditures and Funding to Reserves**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation and Benefits	360,523	512,000	143,200	448,000	448,000	-
Administration Expenses	45,541	62,000	42,606	62,000	62,000	-
Other Operating Expenses	-	23,500	9,564	33,500	33,500	-
<b>Total OPERATING Expenditures</b>	<b>406,064</b>	<b>597,500</b>	<b>195,370</b>	<b>543,500</b>	<b>543,500</b>	<b>-</b>
Transition	110,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>110,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>516,064</b>	<b>597,500</b>	<b>195,370</b>	<b>543,500</b>	<b>543,500</b>	<b>-</b>
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**Funding**

**Municipal**

General Municipal Levy (Operating)	577,500	597,500	199,167	597,500	597,500	-
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<b>TOTAL REVENUE</b>	<b>577,500</b>	<b>597,500</b>	<b>199,167</b>	<b>597,500</b>	<b>597,500</b>	<b>-</b>
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<b>Net Surplus/(Deficit)</b>	<b>61,436</b>	<b>-</b>	<b>3,797</b>	<b>54,000</b>	<b>54,000</b>	<b>-</b>
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GRAND RIVER CONSERVATION AUTHORITY  
Schedule 8 - Environmental Education  
FOR THE PERIOD ENDING May 31, 2023

How much does it cost, and who pays for it?

Expenditures and Funding to Reserves

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation & Benefits	545,422	574,500	268,338	574,500	574,500	-
Administration Expenses	42,654	57,000	44,942	57,000	57,000	-
Insurance	19,095	21,000	21,078	21,000	21,000	-
Property Taxes	10,629	14,000	-	14,000	14,000	-
Other Operating Expenses	199,234	143,600	106,391	152,600	152,600	-
<b>Total OPERATING Expenditures</b>	<b>817,034</b>	<b>810,100</b>	<b>440,749</b>	<b>819,100</b>	<b>819,100</b>	-
Guelph Lake Nature Centre	26,600	500,000	1,866	500,000	500,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>26,600</b>	<b>500,000</b>	<b>1,866</b>	<b>500,000</b>	<b>500,000</b>	-
Guelph Lake Nature Centre	35,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>35,000</b>	-	-	-	-	-
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>878,634</b>	<b>1,310,100</b>	<b>442,615</b>	<b>1,319,100</b>	<b>1,319,100</b>	-

Funding

**Municipal**

General Municipal Levy (Operating)	284,600	310,100	103,367	310,100	310,100	-
Municipal - Other	225	-	-	-	-	-

**Self Generated**

Donations - Foundation	73,559	500,000	218	500,000	500,000	-
Nature Centre Revenue - Schools	518,256	-	228,213	-	-	-
Nature Centre Revenue - Community	1,491	-	6,600	9,000	9,000	-
Merchandise Revenue	872	-	-	-	-	-

<b>TOTAL REVENUE</b>	<b>879,003</b>	<b>1,310,100</b>	<b>338,398</b>	<b>1,319,100</b>	<b>1,319,100</b>	-
<b>Net Surplus/(Deficit)</b>	<b>369</b>	-	<b>(104,217)</b>	-	-	-

**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 9 - Corporate Services**  
**FOR THE PERIOD ENDING May 31, 2023**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b><u>Expenditures and Funding to Reserves</u></b>						
Compensation and Benefits	2,095,636	2,133,000	850,373	2,133,000	2,133,000	-
Administration Expenses	299,600	424,000	270,295	424,000	424,000	-
Insurance	115,301	157,000	124,078	124,000	124,000	-
Other Operating Expenses	1,594,682	1,246,790	368,910	1,246,790	1,246,790	-
LESS: Recovery of Corporate Services Expenses	(56,783)	(70,000)	(10,878)	(70,000)	(70,000)	-
<b>Total OPERATING Expenditures</b>	<b>4,048,436</b>	<b>3,890,790</b>	<b>1,602,778</b>	<b>3,857,790</b>	<b>3,857,790</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>4,048,436</b>	<b>3,890,790</b>	<b>1,602,778</b>	<b>3,857,790</b>	<b>3,857,790</b>	<b>-</b>
<b><u>Funding</u></b>						
<b>Municipal</b>						
General Municipal Levy (Operating)	3,686,088	3,781,089	1,260,362	3,781,089	3,781,089	-
General Municipal Levy (Capital)						
Municipal - Other	450	-	-	-	-	-
<b>Self Generated</b>						
Donations - Foundation	-	-	1,511	-	-	-
Donations - Other	-	-	-	-	-	-
Miscellaneous	975	-	-	-	-	-
<b>Funding From Reserves</b>						
Personnel	245,000	65,000	-	65,000	65,000	-
<b>TOTAL REVENUE</b>	<b>3,932,513</b>	<b>3,846,089</b>	<b>1,261,873</b>	<b>3,846,089</b>	<b>3,846,089</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>(115,923)</b>	<b>(44,701)</b>	<b>(340,905)</b>	<b>(11,701)</b>	<b>(11,701)</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
Schedule 10 - Conservation Lands  
FOR THE PERIOD ENDING May 31, 2023

**How much does it cost, and who pays for it?**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>Expenditures and Funding to Reserves</b>						
Compensation and Benefits	1,228,809	1,540,000	512,484	1,495,000	1,495,000	-
Administration Expenses	131,634	152,600	92,629	152,600	152,600	-
Insurance	259,313	315,000	289,845	289,000	289,000	-
Other Operating Expenses	480,954	606,000	203,571	606,000	606,000	-
<b>Total OPERATING Expenditures</b>	<b>2,100,710</b>	<b>2,613,600</b>	<b>1,098,529</b>	<b>2,542,600</b>	<b>2,542,600</b>	<b>-</b>
Land Purchases/Land Sale Expenses	17,660	-	3,637	-	-	-
Trails - Capital Maintenance	229,921	-	76	-	-	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>247,581</b>	<b>-</b>	<b>3,713</b>	<b>-</b>	<b>-</b>	<b>-</b>
Forestry/Master Plans/Transition	227,000	-	-	155,000	155,000	-
Land Sale Proceeds	15,196,404	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>15,423,404</b>	<b>-</b>	<b>-</b>	<b>155,000</b>	<b>155,000</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>17,771,695</b>	<b>2,613,600</b>	<b>1,102,242</b>	<b>2,697,600</b>	<b>2,697,600</b>	<b>-</b>
<b>Funding</b>						
<b>Government Grants</b>						
Federal	-	-	4,303	-	-	-
<b>Self Generated</b>						
Luther Miscellaneous Income	39,941	46,000	1,813	46,000	46,000	-
Other Areas Income	25,109	25,000	1,965	25,000	25,000	-
Timber Sales	136,599	15,000	170,407	170,000	170,000	-
Land Sale Proceeds	15,196,404	-	-	-	-	-
Donations - Foundation	252,052	-	-	-	-	-
<b>Funding From Reserves</b>						
Land	17,660	-	-	-	-	-
Transition	-	100,000	-	100,000	100,000	-
Gravel	-	1,000	-	1,000	1,000	-
<b>TOTAL REVENUE</b>	<b>15,667,765</b>	<b>187,000</b>	<b>178,488</b>	<b>342,000</b>	<b>342,000</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>(2,103,930)</b>	<b>(2,426,600)</b>	<b>(923,754)</b>	<b>(2,355,600)</b>	<b>(2,355,600)</b>	<b>-</b>



GRAND RIVER CONSERVATION AUTHORITY  
Schedule 11 - Property Rentals  
FOR THE PERIOD ENDING May 31, 2023

**How much does it cost, and who pays for it?**

**Expenditures and Funding to Reserves**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation and Benefits	648,325	731,000	193,512	694,000	694,000	-
Administration Expenses	70,867	74,500	51,210	74,500	74,500	-
Insurance	31,638	45,000	34,930	35,000	35,000	-
Property Taxes	114,396	113,000	-	113,000	113,000	-
Other Operating Expenses	392,209	701,700	95,521	701,700	701,700	-
<b>Total OPERATING Expenditures</b>	<b>1,257,435</b>	<b>1,665,200</b>	<b>375,173</b>	<b>1,618,200</b>	<b>1,618,200</b>	<b>-</b>
Cottage Lot Program-Belwood	90,000	-	-	-	-	-
Cottage Lot Program-Conestogo	84,000	-	-	-	-	-
Demolitions/R&M Savings	15,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>189,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>1,446,435</b>	<b>1,665,200</b>	<b>375,173</b>	<b>1,618,200</b>	<b>1,618,200</b>	<b>-</b>

**Funding**

**Municipal**

Municipal - Other	225	-	-	-	-	-
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**Self Generated**

Belwood	1,012,251	1,040,000	624,052	1,040,000	1,040,000	-
Conestogo	1,216,899	1,245,000	715,291	1,245,000	1,245,000	-
Agricultural	211,781	250,000	113,130	250,000	250,000	-
Residential	111,545	110,000	45,531	110,000	110,000	-
Miscellaneous	357,696	361,000	138,132	361,000	361,000	-

**Funding FROM Reserves**

Wells/Septic/Demolitions (Land Sale Proceeds)	-	100,000	-	100,000	100,000	-
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<b>TOTAL REVENUE</b>	<b>2,910,397</b>	<b>3,106,000</b>	<b>1,636,136</b>	<b>3,106,000</b>	<b>3,106,000</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>1,463,962</b>	<b>1,440,800</b>	<b>1,260,963</b>	<b>1,487,800</b>	<b>1,487,800</b>	<b>-</b>

**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 12 - Hydro Production**  
**FOR THE PERIOD ENDING May 31, 2023**

	<b>Actual 2022</b>	<b>Budget 2023</b>	<b>Actual YTD</b>	<b>Previous Forecast</b>	<b>Current Forecast</b>	<b>Forecast Change</b>
<b>How much does it cost, and who pays for it?</b>						
<b><u>Expenditures and Funding to Reserves</u></b>						
Compensation and Benefits	64,119	70,000	25,393	70,000	70,000	-
Other Operating Expenses	186,142	25,500	4,412	25,500	25,500	-
<b>Total OPERATING Expenditures</b>	<b>250,261</b>	<b>95,500</b>	<b>29,805</b>	<b>95,500</b>	<b>95,500</b>	<b>-</b>
General Capital/Land Sale Proceeds	20,000	116,500	-	116,500	116,500	-
<b>Total FUNDING to RESERVES</b>	<b>20,000</b>	<b>116,500</b>	<b>-</b>	<b>116,500</b>	<b>116,500</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>270,261</b>	<b>212,000</b>	<b>29,805</b>	<b>212,000</b>	<b>212,000</b>	<b>-</b>
<b><u>Revenue</u></b>						
<b>Self Generated</b>						
Hydro Production-Belwood	308,967	265,000	109,371	265,000	265,000	-
Hydro Production-Conestogo	243,994	260,000	98,604	260,000	260,000	-
Hydro Production-Guelph	21,991	40,000	-	40,000	40,000	-
Hydro Production-Elora	14,382	15,000	-	15,000	15,000	-
<b>Funding from Reserves</b>						
General Capital/Land Sale Proceeds	-	-	-	-	-	-
<b>TOTAL REVENUE</b>	<b>589,334</b>	<b>580,000</b>	<b>207,975</b>	<b>580,000</b>	<b>580,000</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>319,073</b>	<b>368,000</b>	<b>178,170</b>	<b>368,000</b>	<b>368,000</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
Schedule 13 - Conservation Areas  
FOR THE PERIOD ENDING May 31, 2023

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b>Expenditures and Funding to Reserves</b>						
Compensation and Benefits	4,548,675	4,675,000	991,821	4,675,000	4,675,000	-
Administration Expenses	203,238	210,000	181,491	210,000	210,000	-
Property Tax	53,928	65,000	132	65,000	65,000	-
Other OPERATING Expenses	3,338,347	3,550,000	759,227	3,550,000	3,550,000	-
<b>Total OPERATING Expenditures</b>	<b>8,144,188</b>	<b>8,500,000</b>	<b>1,932,671</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>-</b>
<b>Total CAPITAL Expenditures</b>	<b>934,152</b>	<b>2,000,000</b>	<b>1,276,562</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>-</b>
Conservation Area Reserve	2,225,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>2,225,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>11,303,340</b>	<b>10,500,000</b>	<b>3,209,233</b>	<b>10,500,000</b>	<b>10,500,000</b>	<b>-</b>
<b>Funding</b>						
<b>Municipal</b>						
Municipal - Other	1,575	-	-	-	-	-
<b>Government Grants</b>						
Provincial	6,295	-	-	-	-	-
Federal	22,779	-	-	-	-	-
<b>Self Generated</b>						
Brant	1,298,167	1,100,000	509,141	1,100,000	1,100,000	-
Byng Island	1,089,216	1,000,000	466,071	1,000,000	1,000,000	-
Belwood Lake	414,213	400,000	141,742	400,000	400,000	-
Conestogo Lake	593,983	550,000	264,715	550,000	550,000	-
Elora Gorge	2,109,841	2,000,000	264,143	2,000,000	2,000,000	-
Elora Quarry	470,106	450,000	-	450,000	450,000	-
Guelph Lake	1,514,151	1,300,000	374,864	1,300,000	1,300,000	-
Laurel Creek	779,960	650,000	312,051	650,000	650,000	-
Pinehurst Lake	996,047	850,000	411,704	850,000	850,000	-
Rockwood	1,463,392	1,250,000	324,346	1,250,000	1,250,000	-
Shade's Mills	503,384	450,000	219,260	450,000	450,000	-
Total Fee Revenue	11,232,460	10,000,000	3,288,037	10,000,000	10,000,000	-
Donations-Foundation	38,182	-	10,200	-	-	-
Miscellaneous Income	2,136	-	-	-	-	-
<b>Funding From Reserves</b>						
Conservation Area Reserve	-	500,000	-	500,000	500,000	-
<b>TOTAL REVENUE</b>	<b>11,303,427</b>	<b>10,500,000</b>	<b>3,298,237</b>	<b>10,500,000</b>	<b>10,500,000</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>87</b>	<b>-</b>	<b>89,004</b>	<b>-</b>	<b>-</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
Schedule 14 - Miscellaneous  
FOR THE PERIOD ENDING May 31, 2023

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>How much does it cost, and who pays for it?</b>						
<b>Expenditures and Funding to Reserves</b>						
Other Miscellaneous	19,233	-	17,185	-	-	-
<b>Total OPERATING Expenditures</b>	<b>19,233</b>	<b>-</b>	<b>17,185</b>	<b>-</b>	<b>-</b>	<b>-</b>
Mill Creek Rangers	27,323	35,000	765	35,000	35,000	-
<b>Total SPECIAL PROJECT Expenditures</b>	<b>27,323</b>	<b>35,000</b>	<b>765</b>	<b>35,000</b>	<b>35,000</b>	<b>-</b>
Interest Income	671,942	1,250,000	-	1,250,000	1,250,000	-
PST Refund/Insurance Proceeds	115,000	-	-	-	-	-
<b>Total FUNDING to RESERVES</b>	<b>786,942</b>	<b>1,250,000</b>	<b>-</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>-</b>
<b>TOTAL EXPENDITURES AND FUNDING TO RESERVES</b>	<b>833,498</b>	<b>1,285,000</b>	<b>17,950</b>	<b>1,285,000</b>	<b>1,285,000</b>	<b>-</b>
<b>Funding</b>						
<b>Government Grants</b>						
Provincial	-	-	12,373	-	-	-
<b>Self Generated</b>						
Interest Income-Operating	-	100,000	-	100,000	100,000	-
Interest Income-Reserves	866,001	1,250,000	576,013	1,250,000	1,250,000	-
Miscellaneous	16,327	35,000	50	35,000	35,000	-
Grand River Conservation Foundation	27,323	-	-	-	-	-
<b>TOTAL REVENUE</b>	<b>909,651</b>	<b>1,385,000</b>	<b>588,436</b>	<b>1,385,000</b>	<b>1,385,000</b>	<b>-</b>
<b>Net Surplus/(Deficit)</b>	<b>76,153</b>	<b>100,000</b>	<b>570,486</b>	<b>100,000</b>	<b>100,000</b>	<b>-</b>

GRAND RIVER CONSERVATION AUTHORITY  
 Schedule 15 - Source Protection Program  
 FOR THE PERIOD ENDING May 31, 2023

**How much does it cost, and who pays for it?**

**Expenditures**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
Compensation and Benefits	464,091	490,000	156,278	452,000	452,000	-
Administration Expenses	34,071	50,000	14,026	50,000	50,000	-
Other Operating Expenses	71,833	90,000	17,863	90,000	90,000	-
Water Budget - Technical Studies	-	10,000	-	10,000	10,000	-
<b>TOTAL EXPENDITURES</b>	<b>569,995</b>	<b>640,000</b>	<b>188,167</b>	<b>602,000</b>	<b>602,000</b>	<b>-</b>

**Funding**

**Government Grants**

Provincial	569,995	640,000	188,167	602,000	602,000	-
<b>TOTAL FUNDING</b>	<b>569,995</b>	<b>640,000</b>	<b>188,167</b>	<b>602,000</b>	<b>602,000</b>	<b>-</b>

<b>Net Surplus/(Deficit)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
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**GRAND RIVER CONSERVATION AUTHORITY**  
**Schedule 16 - Information Systems and Motor Pool**  
**FOR THE PERIOD ENDING May 31, 2023**

**How much does it cost, and who pays for it?**

**Expenditures**

	Actual 2022	Budget 2023	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
<b>Information Systems</b>						
Compensation and Benefits	951,835	1,290,000	385,084	1,290,000	1,290,000	-
Administrative Expenses	9,390	25,500	2,679	25,500	25,500	-
Software and Hardware Maintenance	159,972	187,500	138,976	187,500	187,500	-
Supplies and Services	49,806	54,000	25,128	54,000	54,000	-
<b>Total OPERATING Expenditures</b>	<b>1,171,003</b>	<b>1,557,000</b>	<b>551,867</b>	<b>1,557,000</b>	<b>1,557,000</b>	<b>-</b>
<b>Capital Expenses</b>	<b>154,773</b>	<b>170,000</b>	<b>25,090</b>	<b>170,000</b>	<b>170,000</b>	<b>-</b>
<b>LESS Internal Charges</b>	<b>(1,285,600)</b>	<b>(1,437,000)</b>	<b>(1,402,308)</b>	<b>(1,437,000)</b>	<b>(1,437,000)</b>	<b>-</b>
<b>NET Unallocated Expenses</b>	<b>40,176</b>	<b>290,000</b>	<b>(825,351)</b>	<b>290,000</b>	<b>290,000</b>	<b>-</b>
<b>Motor Pool</b>						
Compensation and Benefits	295,344	312,000	106,150	312,000	312,000	-
Administrative Expenses	16,327	26,000	16,326	26,000	26,000	-
Insurance	57,356	50,600	61,458	61,600	61,600	-
Motor Pool Building and Grounds Maintenance	7,061	10,400	2,066	10,400	10,400	-
Equipment, Repairs and Supplies	340,377	286,000	136,291	286,000	286,000	-
Fuel	284,645	254,000	78,398	254,000	254,000	-
<b>Total OPERATING Expenditures</b>	<b>1,001,110</b>	<b>939,000</b>	<b>400,689</b>	<b>950,000</b>	<b>950,000</b>	<b>-</b>
<b>Capital Expenses</b>	<b>615,925</b>	<b>850,000</b>	<b>542,635</b>	<b>850,000</b>	<b>850,000</b>	<b>-</b>
<b>LESS Internal Charges</b>	<b>(1,277,101)</b>	<b>(1,300,000)</b>	<b>(12,891)</b>	<b>(1,300,000)</b>	<b>(1,300,000)</b>	<b>-</b>
<b>NET Unallocated Expenses</b>	<b>339,934</b>	<b>489,000</b>	<b>930,433</b>	<b>500,000</b>	<b>500,000</b>	<b>-</b>
<b>TOTAL EXPENDITURES</b>	<b>380,110</b>	<b>779,000</b>	<b>105,082</b>	<b>790,000</b>	<b>790,000</b>	<b>-</b>
<b>Funding</b>						
<b>Self Generated</b>						
Miscellaneous	8,384	-	2,751	-	-	-
<b>TOTAL REVENUE</b>	<b>8,384</b>	<b>-</b>	<b>2,751</b>	<b>-</b>	<b>-</b>	<b>-</b>
Gross Surplus (Deficit)	(371,726)	(779,000)	(102,331)	(790,000)	(790,000)	-
Funding From Reserves	2,942,811	3,516,000	-	3,527,000	3,527,000	-
Funding to Reserves	(2,571,085)	(2,737,000)	-	(2,737,000)	(2,737,000)	-
<b>Net Surplus/(Deficit)</b>	<b>-</b>	<b>-</b>	<b>(102,331)</b>	<b>-</b>	<b>-</b>	<b>-</b>

# Grand River Conservation Authority

**Report number:** GM-06-23-51

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Request for Proposals - Engineering Consulting Services, Permits and Plan Review

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## **Recommendation:**

THAT the Grand River Conservation Authority accept the proposal from Stantec Consulting Limited to carry out engineering consulting services up to the amount of \$150,000, excluding HST.

## **Summary:**

Not applicable

## **Report:**

GRCA is responsible for reviewing and providing responses to municipalities under the Mandatory Programs and Services Regulation (O.R. 686/21), including acting on behalf of the Province regarding natural hazards identified in Section 3.1 of the Provincial Policy Statement (PPS, 2020), as a regulatory authority under Ontario Regulation 150/06 and as a public body under the *Planning Act* as per our Conservation Authority Board approved policies. At times, Grand River Conservation Authority is also an adjacent affected landowner.

In order to maintain service delivery and legislative responsibilities during staff vacancies, temporary external review assistance is required. A request for proposals (RFP) was issued seeking engineering consulting services for the review of some applications including; permit applications submitted under Ontario Regulation 150/06, pre-consultation or Planning Act applications circulated to the GRCA by municipalities in the watershed, Aggregate Act applications, Drainage Act circulations, Environmental Assessments and other projects as assigned. Technical review of supporting studies and plans will be required, including stormwater management reports, slope stability studies, hydraulic studies/modelling, grading plans, servicing plans, and erosion and sediment control plans.

A Request for Proposals (RFP) was publicly advertised on the Biddingo electronic procurement website. There were 18 registered document takers and 3 proposals received. A committee consisting of the Deputy Chief Administrative Officer, Secretary-Treasurer, Manager of Engineering and Planning Services and a Senior Water Resource Engineer participated in the proposal evaluations. The proposals were evaluated using weighted criteria including:

- Proposal completeness and quality
- Qualifications and experience of the firm, project manager, and team
- Project team experience with the scope of work and local knowledge (GRCA watershed and policies)
- Understanding, Quality assurance/Quality Control (QC/QA) control procedures, approach and methods to providing the service, including value-added elements;
- Commitment to the timelines provided by the GRCA to review and prepare technical review comments
- Cost (Hourly rate per team member)

As the consultant will be preparing comments that will form GRCA's response and position on a particular development or permit application, it is imperative that the consultant can readily undertake the review with minimal training and to a high standard.

Therefore, while a consulting firm may have the technical abilities to undertake the work, it is critical that the Project Team has local knowledge working in the Grand River watershed, and is familiar with Provincial and GRCA policies, manuals and guiding documents. Experience in review processes for a public body, agency or on behalf of an Ontario municipality was considered an asset.

The ranked order of the evaluation and proposal costs (excluding HST) are shown in Table 1.

**Table 1: Consulting Services Results**

<b>Rank</b>	<b>Company</b>
1	Stantec Consulting Limited.
2	Matrix Solutions Incorporated.
3	Aquafor Beech Limited

Stantec Consulting Limited's proposal received the highest ranking in the evaluation and is recommended as the preferred consultant to carry out the Project. Strengths of the proposal and consultant include:

- Project team with diverse technical experience available to support review of a wide variety of files and projects
- Clear and concise proposal demonstrating understanding of project scope
- Experience in the Grand River watershed, and prior experience in providing peer review services, including to the GRCA
- Lowest average cost

The upset limit was estimated to provide approximately 6 months of assistance. Recruitment is underway for the vacant positions.

**Financial Implications:**

It is anticipated that funding for these expenses will be offset by department surplus.

**Other Department Considerations:**

Engineering staff across the Water Management Division will assist with supporting the engineering consultant.

**Prepared by:**

Beth Brown  
 Manager of Engineering and Planning Services

**Approved by:**

Samantha Lawson  
 Chief Administrative Officer



# Grand River Conservation Authority

**Report number:** GM-06-23-50

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Dunnville Two Zone Floodplain Policy and Mapping Update, County of Haldimand

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## Recommendation:

THAT a Two Zone Floodplain Policy Area for portions of Dunnville be endorsed;

AND THAT the updated floodplain mapping, as prepared by J.L Richards & Associates Limited (June 2022), be used as the guiding document when dealing with planning matters and permit applications in the study area.

AND THAT amendments to the Grand River Conservation Authority's Ontario Regulation 150/06 mapping be approved to incorporate the revisions to the floodplain and associated regulated allowance.

## Summary:

At the request of the County of Haldimand, GRCA has participated in the review of a floodplain analysis, completed as part of a Two-Zone Floodplain Policy application for the Frank Marshall Business Park in the community of Dunnville. The purpose of the Frank Marshall Business Park Two-Zone Study was to evaluate the potential for applying Two-Zone Floodplain Policies to create more developable lands within the area. The analysis completed by J.L Richards & Associates Limited has resulted in revisions to the current extent of the floodplain and has identified the limits of the floodway and flood fringe within the floodplain. The Haldimand County Council endorsed these updates as part of the County's adoption of the Official Plan on August 23, 2022.

## Report:

J.L Richards & Associates Limited. were retained to prepare a Floodplain Analysis and Scoped Master Servicing Plan for the Frank Marshall Business Park (FMBP) in the community of Dunnville. This work was carried out in support of Phase 2 of the Haldimand County Official Plan Update.

Headwaters of Maple creek are located north-west of the FMBP, flows through the FMBP and discharges into the Grand River downstream of Dunnville. The Regional Storm (Hurricane Hazel) is the standard used to determine the Regulatory Floodline in this area and is simulated as the historical rainstorm pattern which resulted in 285 millimeters of rainfall in 48 hours.

Under the current GRCA and County of Haldimand's One-Zone Floodplain Policies, existing vacant parcels are unable to be developed and existing developed parcels are unable to redevelop, with the exception of minor additions or alterations subject to approval under Ontario Regulation 150/06.

A Two-Zone Floodplain Policy Area would generally prohibit development in the floodway portion of the floodplain while allowing for modifications to existing buildings, infill development and redevelopment in the flood fringe portion of the floodplain. The limit of the floodway considers: flood depths, flow velocities, frequency of flooding and the area needed to safely pass the Regulatory Flood Flow. The flood fringe portion of the floodplain is located between the floodway and the limit of the floodplain. Flood fringe areas must meet requirements such

as: low depths/velocities of flooding, requirements for safe access/egress, flood proofing, and ensuring that development in the flood fringe would not impact upstream or downstream floodplain areas.

The purpose of the FMBP Floodplain Analysis was to determine if and where a Two-Zone concept for the floodplain could be applied within the limits of the FMBP with the goal of permitting development within the flood fringe.

The key findings of the study are as follows:

- Two-Zone application is appropriate.
- The approved fringe limit provides the maximum developable area while providing sufficient flood conveyance through the floodway.
- Floodplain extents have been revised based on more accurate topographic information and hydrologic and hydraulic modelling. In some portions of the study area, the floodplain limits have been reduced and in other areas have expanded.

Figures 1 and 2 show the existing floodplain extent (One Zone Policy Approach) and the proposed extent of the Two Zone Policy Approach.

The Two Zone Policy Area policies recommended in the study will be implemented through the new Official Plan and a future zoning bylaw amendment as well as through GRCA's permitting process.

### **Financial Implications:**

None.

### **Other Department Considerations:**

GRCA Engineering and Resource Management staff were involved in the technical review for this project.

#### **Prepared by:**

Tyler Slaght,  
Supervisor of Resource Planning

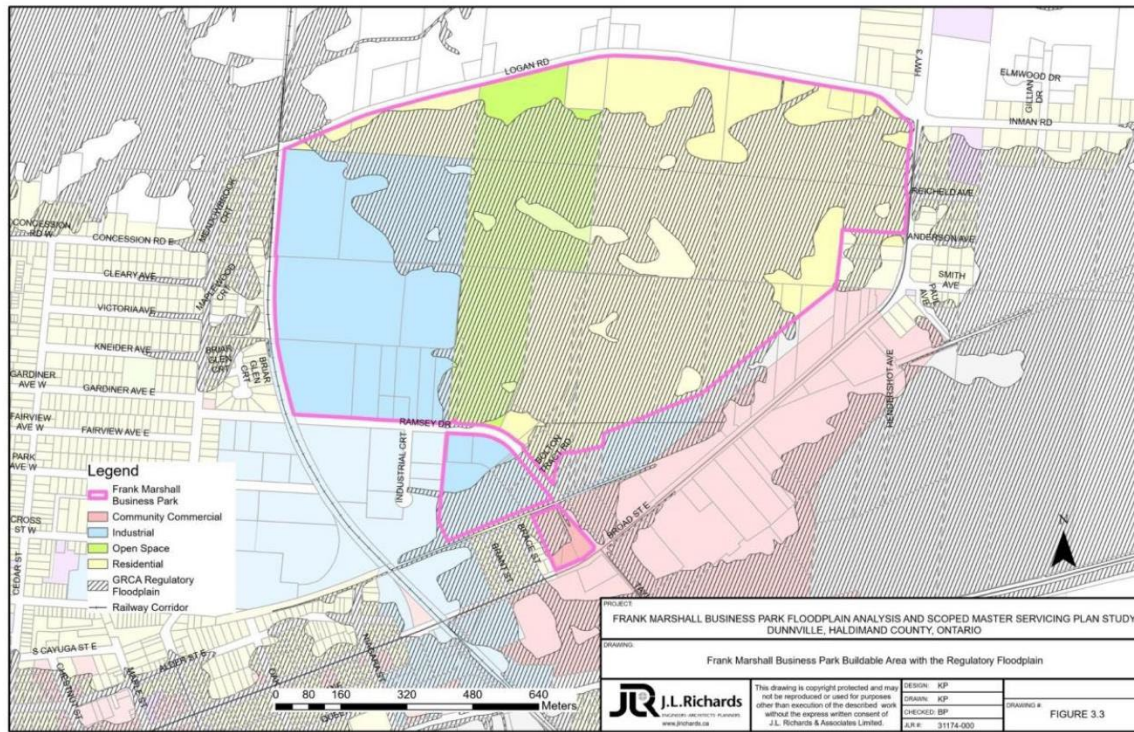
Vahid Taleban, M.Sc., P. Eng.  
Senior Engineer – Flood Management

#### **Approved by:**

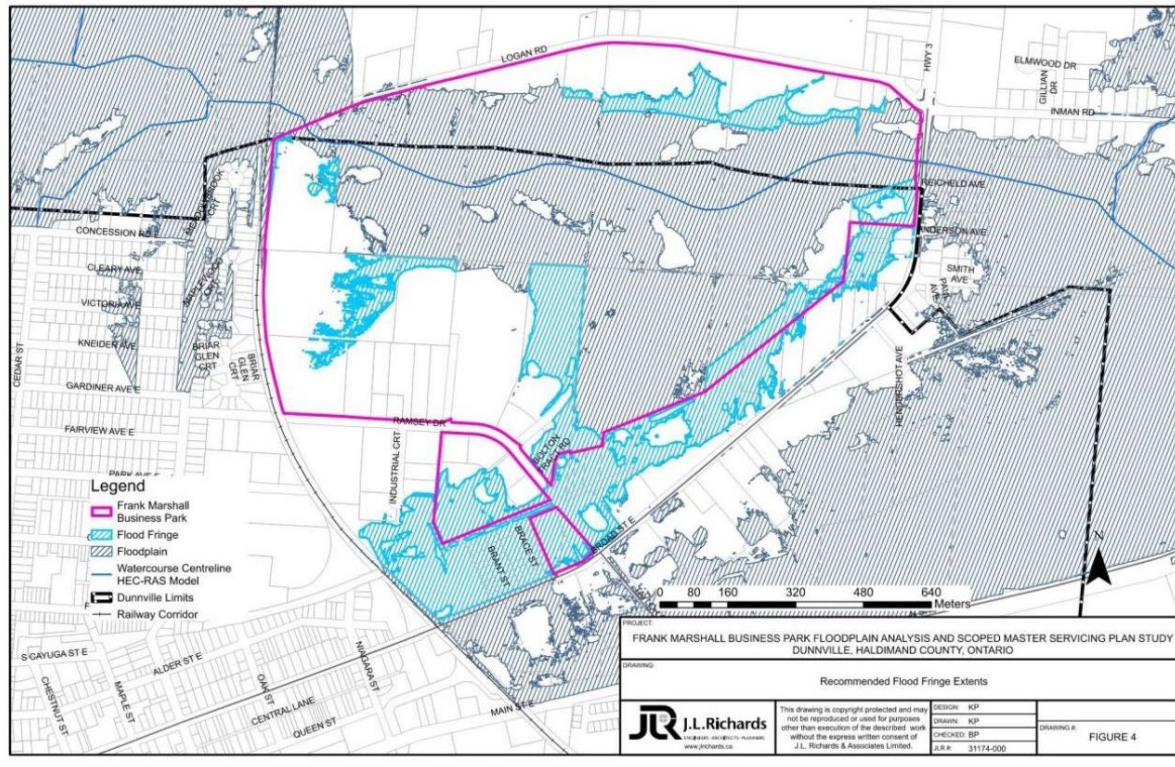
Samantha Lawson  
Chief Administrative Officer

# Figures:

## Figure 1 – Regulatory Floodplain (One Zone Approach)



## Figure 2 – Regulatory Floodplain with Fringe Overlay (Two Zone Approach)



# Grand River Conservation Authority

**Report number:** GM-06-23-53

**Date:** June 23, 2023

**To:** Members of the Grand River Conservation Authority

**Subject:** Current Watershed Conditions as of June 14, 2023

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## **Recommendation:**

THAT Report Number GM-06-23-53 – Current Watershed Conditions as of June 14, 2023 be received as information.

## **Summary:**

May was a relatively dry month with average temperatures, starting with low temperatures and average rainfall. The watershed experienced warmer temperatures and minimal precipitation in the second half of May, resulting in an average monthly temperature with below normal rainfall. Due to the low precipitation through May the reservoirs were not able to be filled to their June 1 targets.

The first half of June has been dry with temperatures above or near the long term averages. One rainfall event on June 12 resulted in an average of 30 millimeters of rainfall across the watershed which has brought the mid-month precipitation for June back to normal levels after the dry end of May.

Groundwater levels are still recovering from all-time lows experienced in 2022. Lake Erie continues to be above the long-term average, but below the levels in 2022. The long-term forecast over the next three months is for above normal temperatures and near normal precipitation.

## **Report:**

### **Precipitation**

The precipitation over the month of May was below normal across the watershed. The month began with several low volume rainfall events over the first week followed by a week and a half without any rainfall throughout the watershed. On May 20, 2023 a band of precipitation crossed the watershed with total rainfall ranging from 11.0 millimeters to 29.0 millimeters with the highest amounts observed in the middle of the watershed. The watershed then experienced an extended warm and dry period for three weeks through the end of May and into June. Consequently, flow augmentation to meet the low flow targets downstream of the reservoirs began approximately mid-May and continued into June.

Precipitation over the first two weeks of June has returned to normal due to a 30 millimeters rainfall event occurring on June 12, as shown in Table 1. With the exception of the Brantford gauge where observed rainfall has been slightly above normal, almost everywhere else in the watershed has received rainfall slightly lower than long-term averages, ranging from 74 percent in Cambridge to around 95 percent in Waterloo (Laurel Area).

Trends in precipitation, Table 2, show that over the short-term the watershed has experienced less rainfall than normal. During the month of May, the watershed received rainfall totals which ranged from 43 to 77 percent of the normal long-term averages. Over the mid-term, the watershed is showing signs of recovery from dry conditions in 2022. Over the long term, the precipitation levels appear to be closer to normal averages; however, they are still slightly below

the long-term average values, specifically for 12 to 18 month periods. In other words, the watershed is still in a precipitation deficit over the long-term. This has been reflected in groundwater levels sampled to the end of May which show the groundwater is still recovering from the all-time lows experienced in 2022. Over the past 12 months the watershed has averaged 87 percent of normal precipitation. A prolonged period of at or above normal precipitation is needed for the watershed to fully recover from the extended dry period in 2022. A visual representation of these trends for the Shand climate station is also provided in Figure 1.

Table 1: Current monthly precipitation for climate stations across the watershed up to June 14, 2023 including the long term average precipitation for half of June.

Climate Station	Current Month Precipitation (millimeters)	Long Term Average Precipitation (millimeters)	Percentage of Long Term Average Percent (%)
Shand	44.0	45.8	96%
Conestogo	38.0	47.2	81%
Guelph	39.2	43.6	90%
Luther	42.2	45.9	92%
Woolwich	33.8	38.2	88%
Laurel	41.0	43.4	95%
Shades	31.2	42.4	74%
Brantford	35.3	33.1	107%

Table 2: Precipitation trends as a percentage (%) of the long-term average over the last 18 months

Climate Station	Last Month	Last 3 Months	Last 6 Months	Last 12 Months	Last 18 Months
Shand	54%	112%	114%	89%	94%
Conestogo	56%	111%	109%	90%	94%
Guelph	69%	117%	118%	86%	92%
Luther	68%	119%	128%	98%	99%
Woolwich	40%	107%	106%	81%	85%
Laurel	43%	108%	109%	76%	83%
Shades	77%	121%	114%	83%	85%
Brantford	48%	130%	128%	90%	93%

### Air Temperatures

May was a slightly cooler than normal month. Cooler temperatures at the beginning of the month and warmer temperatures over the last three weeks of the month resulted in a monthly temperature consistent with the long-term average at the Shand Dam climate station. The average temperature across the watershed during the month of May was 0.6 degrees below the long-term average. At the Shand Dam climate station, daily maximum temperatures exceeded 20 degrees Celsius for 14 days during the month of May and daily averages ranged

between 4.0 to 21.3 degrees Celsius with an average daily temperature of 12.5 degrees Celsius.

The first half of June was warmer than May with temperatures peaking from mid-twenties to low thirties across the watershed. The average temperatures at the Shand Dam climate station over the first two weeks of June was 17.6 degrees Celsius which is 1.1 degrees warmer than the long-term average for the first half of the month of June.

A visual representation of these trends for the Shand climate station is provided in Figure 2.

### **Lake Erie Water Levels**

During May, the average lake level was approximately 0.32 meters above the long-term average. Levels remained elevated during the first half of June and are approximately 0.23 meters above the long-term average. The forecast for Lake Erie is for lake levels to continue to remain elevated over the spring and summer months following regular seasonal patterns. Figure 3 shows the range of water levels that are expected over the next six months as well as the observed water levels over the last three years.

### **Reservoir Conditions**

Although the rainfall from January through April provided sufficient runoff to fill the reservoirs to May 1 targets, the watershed is still recovering from the dry conditions experienced through 2022. The rainfall in early May to mid-May allowed the reservoirs to continue the spring filling cycle. Insufficient precipitation through the end of May and into early June meant the reservoirs could not be filled to their June 1 targets. However, there is sufficient storage to maintain flows at downstream target locations for augmentation. The reservoirs have been used for augmentation to meet low flow targets since approximately mid-May with approximately 70 percent of the flows in the Grand River through Kitchener and approximately 30 percent of the flows in the Grand River through Brantford having been augmented from the reservoirs.

Reservoirs will be used to manage flows during late spring and summer rain events over the next couple of months as well as to augment the flows above the low flow targets. The amount of flood storage available will be balanced with the amount of runoff expected from precipitation. Year to date reservoir levels and operating rule curves are shown in Figures 4 and 5 for the four largest reservoirs.

### **Long Range Forecast**

Environment and Climate Change Canada is forecasting average probability of near normal precipitation (low confidence) and high probability of above normal temperatures (high confidence) over the next 3 months.

### **Low Water Response**

Due to low precipitation in May, a Low Water Conditions Report was prepared June 6, 2023 with two potential recommendations: Option 1 maintain Level 1 low water condition and reassess week of June 19, 2023 or Option 2 elevate watershed to Level 2 condition and reassess at the end of June. The Low Water Response team will be meeting in the afternoon of June 14, 2023 to discuss the two potential recommendations. Given the recent 30 millimeters of precipitation observed across the watershed, the recommendation will be to maintain the watershed in the current Level 1 condition and reassess at the end of June.

The Grand River Low Water Response Team is comprised of representatives from municipalities, agriculture, golf course operators, aggregate operations, water bottlers, and provincial ministries. It meets as needed to carry out the Ontario Low Water Response Program in the Grand River Watershed.

**Flood Preparedness and Flood Centre Activities**

Reservoir conditions are being monitored closely and staff continue to hold weekly meetings as part of planning initiatives, dam operations and flood emergency preparedness.

Training sessions on the flood program and emergency management are being conducted frequently for new staff and for staff in new roles.

**Financial Implications:**

Not applicable

**Other Department Considerations:**

Not applicable

**Prepared by:**

Michael Penney, P. Eng.  
Water Resources Engineer

**Approved by:**

Samantha Lawson  
Chief Administrative Officer

**Figures:**

Figure 1: Shand Dam Monthly Precipitation 2019 to June 14, 2023

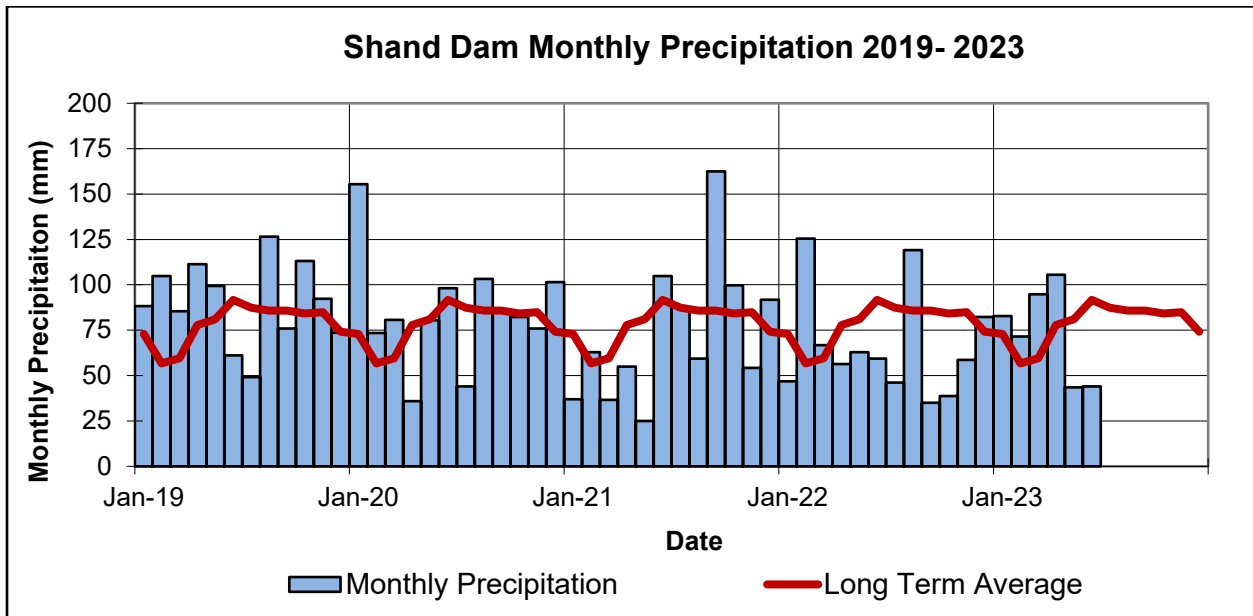


Figure 2: Monthly Average Air Temperatures at Shand Dam from 2019 to June 14, 2023

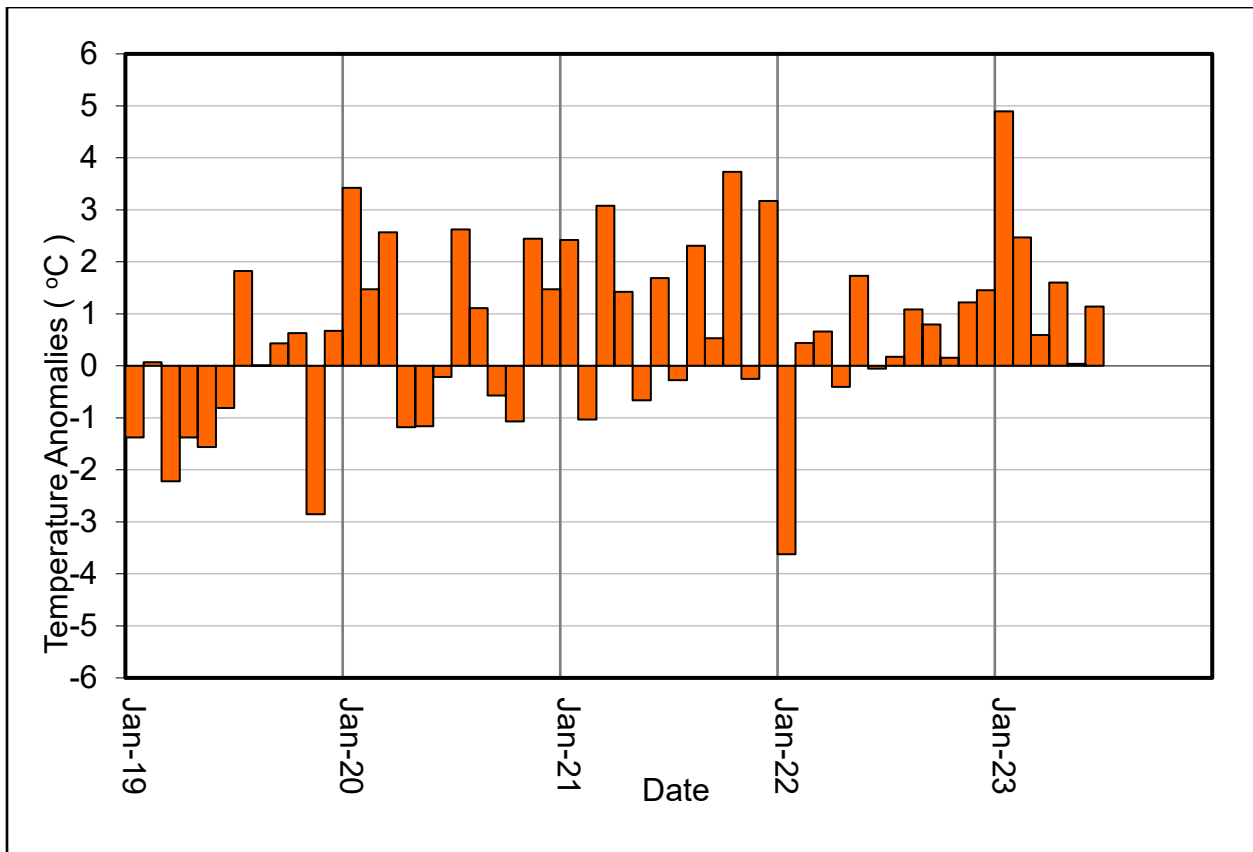




Figure 3: Water levels for Lake Erie at Port Colborne

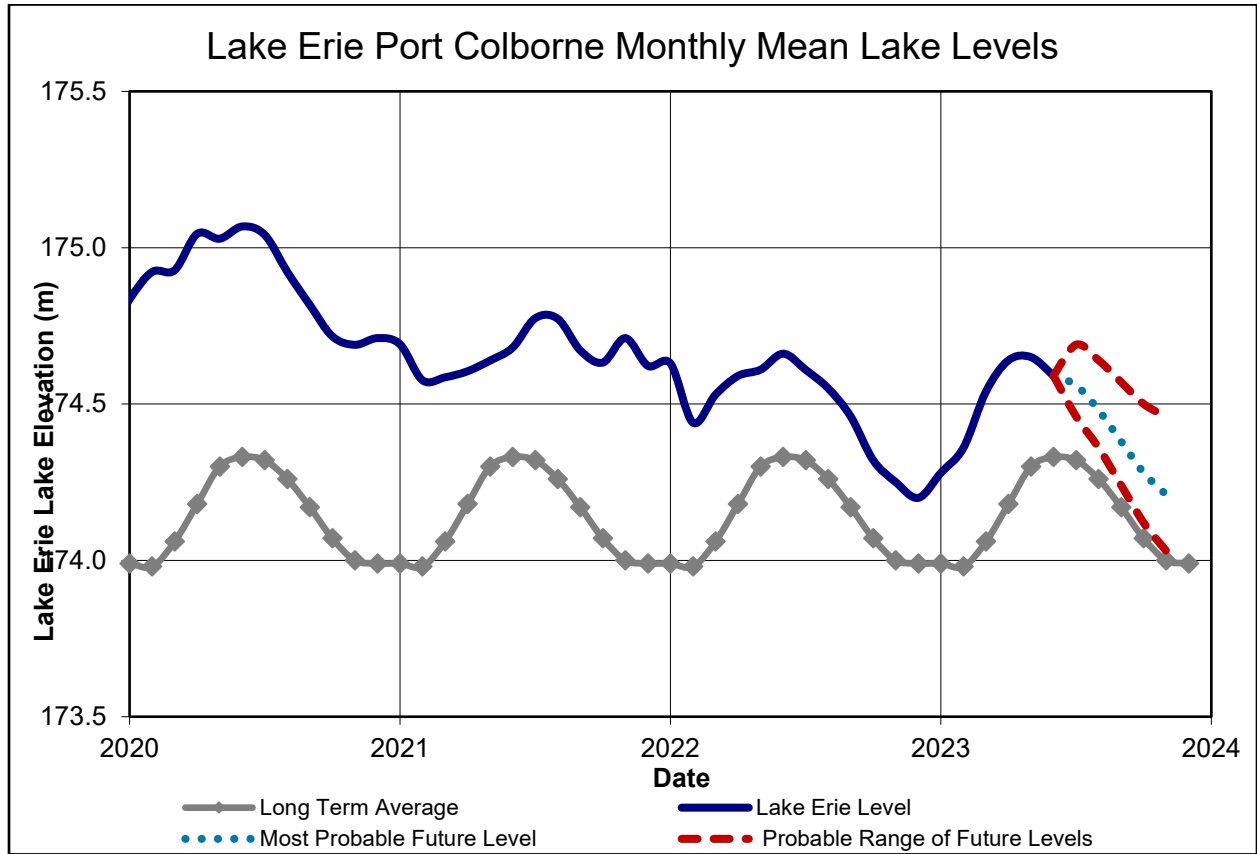


Figure 4: Shand and Conestogo Reservoir Elevation Plots for 2023

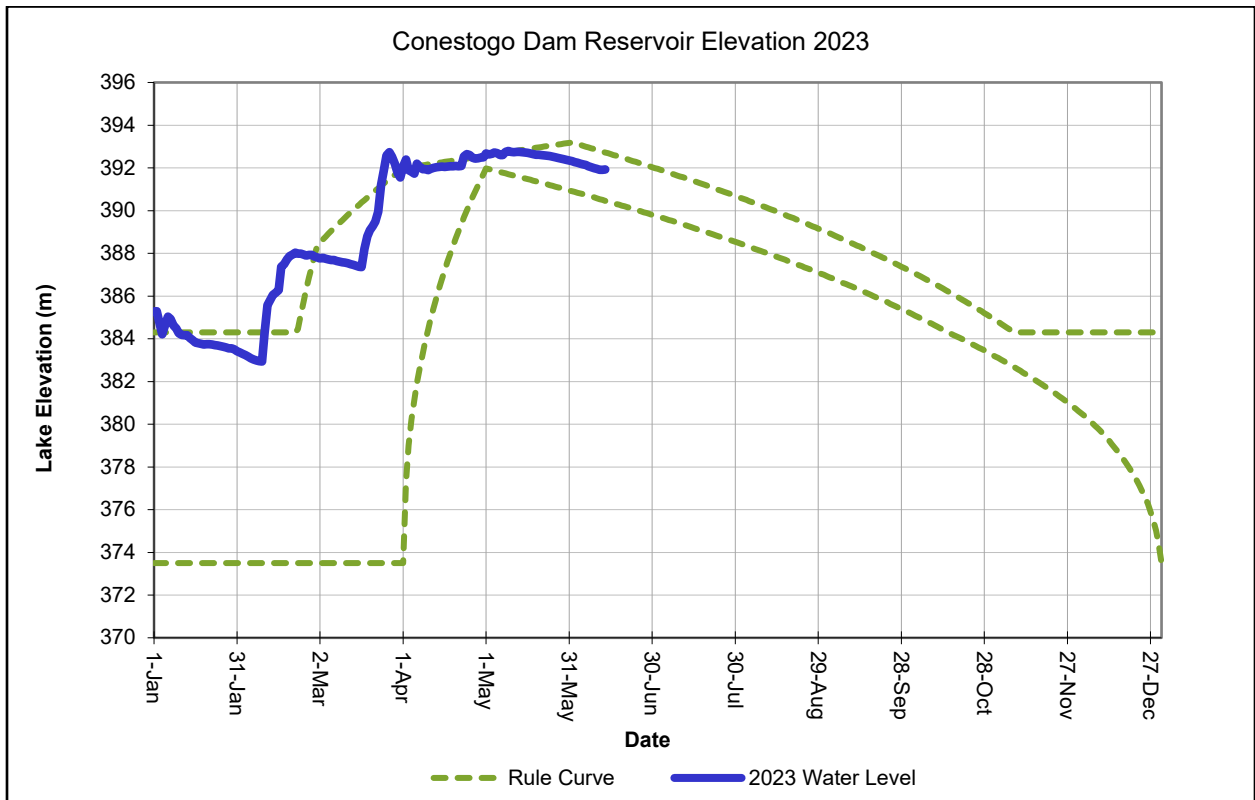
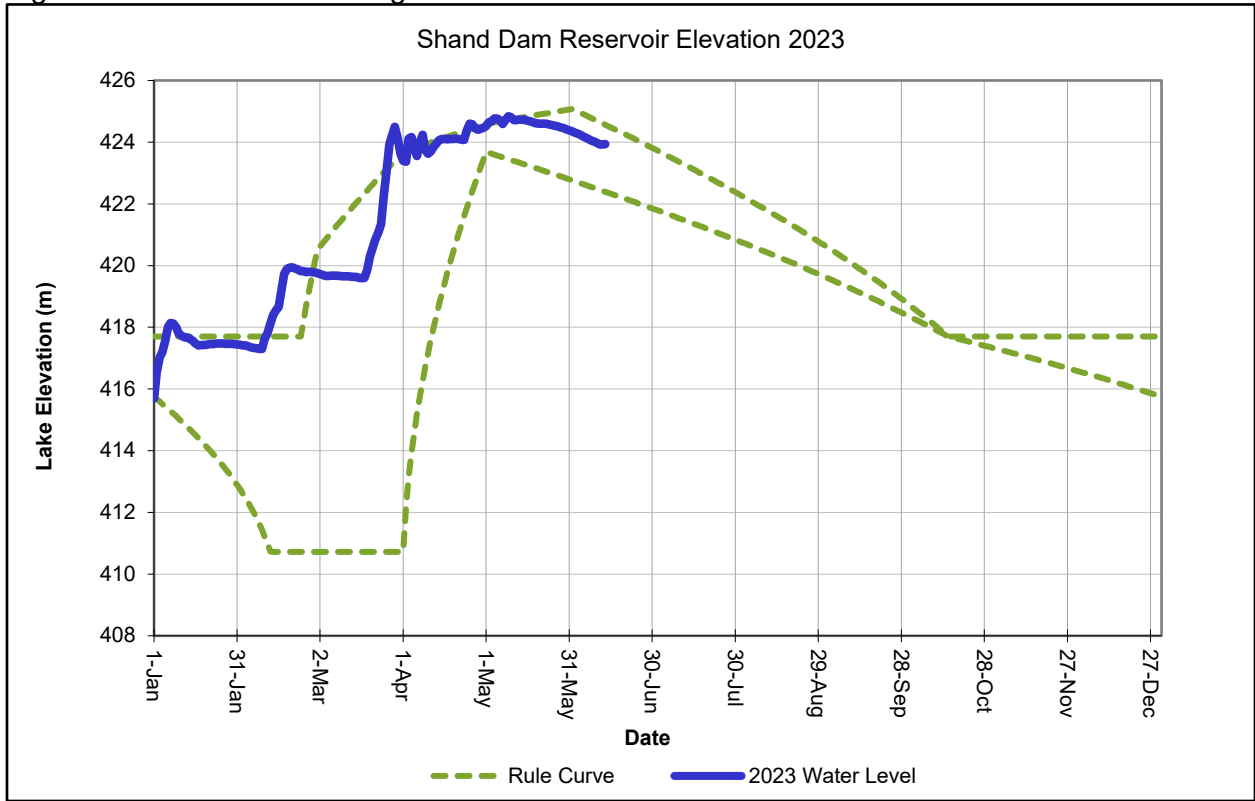


Figure 5: Guelph and Luther Reservoir Elevation Charts for 2023

