



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

Friday, August 27, 2021

9:30 a.m.

GRCA Zoom Virtual Meeting

[Link to live stream](#)

Pages

1. Call to Order

2. Certification of Quorum

3. Chair's Remarks

4. Review of Agenda

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

5. Declarations of Pecuniary Interest

6. Minutes of the Previous Meetings

1

THAT the minutes of the General Membership Meeting of June 25, 2021 be approved as circulated.

7. Business Arising from Previous Minutes

8. Hearing of Delegations

9. Presentations

a. Grand River Watershed Water Quality

10. Correspondence

THAT Correspondence from the Township of Melancthon in support of the Town of Mono regarding phase 1 regulatory proposals under the Conservation Authorities Act, and from Halton Region regarding the 2022 budget direction, and from Pauline Richards regarding the Land Back Camp be received as information.

a.	Township of Melancthon - Support for Town of Mono regarding the Phase 1 Regulatory Proposals under the Conservation Authorities Act	11
b.	Halton Region - 2022 Budget Direction	12
c.	Pauline Richards - Land Back Camp	13
11.	1st and 2nd Reading of By-Laws	
12.	Reports:	
a.	GM-08-21-58 - Cash and Investment Status	14
	THAT Report Number GM-08-21-58 Cash and Investment Status – July 2021 be received as information.	
b.	GM-08-21-60 - Financial Summary	16
	THAT the Financial Summary for the period ending July 31, 2021 be approved.	
c.	GM-08-21-59 - Exception Request for Chair and Vice-Chair Term Limits	21
	THAT the General Membership refer discussions relating to the exception request for Chair and Vice-Chair term limits to the Ad-hoc Conservation Authorities Act Regulations Committee;	
	AND THAT the Committee report back to the General Membership at the September meeting.	
d.	GM-08-21-62 - New Guelph Lake Nature Centre and Environmental Education Update	25
	WHEREAS the Grand River Conservation Authority remains committed to supporting the construction of a new Guelph Lake Nature Centre;	
	THEREFORE BE IT RESOLVED THAT staff be directed to proceed with a preliminary redesign of the new building and provide an update to the General Membership by the end of 2021;	
	AND THAT Report Number GM-08-21-62 – New Guelph Lake Nature Centre and Environmental Education Program Update be received as information.	
e.	GM-08-21-53 - Provincial Offences Act Officer Appointments	29
	THAT the Grand River Conservation Authority appoint Trevor Heywood and Laura Warner as Provincial Offences Officers.	

- f. GM-08-21-54 - Development, Interference with Wetlands and Alterations to Shorelines Regulation 30
- THAT Report Number GM-08-21-54 – Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation be received as information.
- g. GM-08-21-55 - GRCA Hearing Guidelines Section 28 32
- THAT the Grand River Conservation Authority adopt the Grand River Conservation Authority Hearing Guidelines: Conservation Authorities Act, Section 28,
- AND THAT the Grand River Conservation Authority Hearing Guidelines 2011 be rescinded.
- h. GM-08-21-56 - Speed River Weir Rehabilitation Contract Award - Bronte Construction 48
- THAT the Grand River Conservation Authority accept the bid from Bronte Construction (2220742 Ontario Ltd.) to carry out the Speed River Weir Rehabilitation at a cost of \$218,400 (excluding HST);
- AND that an overall project of \$240,240 (excluding HST) be approved for this project;
- AND that the gauge reserve be used to fund costs in excess of the grant received from the Province.
- i. GM-08-21-57 – Bridgeport Dike Rehabilitation and Capacity EA Contract Award – KGS Group 50
- THAT the Grand River Conservation Authority accept the bid from KGS Group to carry out the Bridgeport Dike Rehabilitation and Capacity Improvement environmental assessment at a cost of \$247,230 (excluding HST);
- AND THAT an overall project budget of \$275,000 (excluding HST) be approved for the project.
- j. GM-08-21-61 - Current Watershed Conditions 53
- THAT Report Number GM-08-21-61 – Current Watershed Conditions as of August 17, 2021 be received as information.

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 to discuss confidential matters.

- a. Labour relations or employee negotiations
- b. Security of Property

18. Next Meeting - September 24, 2021

19. Adjourn



Grand River Conservation Authority Minutes - General Membership Meeting

Date: June 25, 2021
Time: 9:30 am
Location: GRCA Zoom Virtual Meeting
Link to be distributed via email prior to meeting

Members Present Les Armstrong, Bruce Banbury, Robert Bell, Richard Carpenter, John Challinor II, Brian Coleman, Bernie Corbett, Jim Erb, Susan Foxton, Guy Gardhouse, Joan Gatward, Michael Harris, Helen Jowett, Daniel Lawrence, Geoff Lorentz, Ian MacRae, Kathryn McGarry, Jane Mitchell, Joe Nowak, Jerry Smith, Warren Stauch, Bruce Whale, Chris White

Regrets Marcus Adili, Kevin Davis, Cathy Downer
Staff Samantha Lawson, Karen Armstrong, Dwight Boyd, Beth Brown, Krista Bunn, Nancy Davy, Brandon Heyer, Sonja Radoja, Lisa Stocco, Pam Walther-Mabee, Rob Anderson, Katelyn Lynch, Eowyn Spencer, Ron Wu-Winter

Others Annie Cote-Kennedy, Laura Anders, and Jason Thompson representing the Grand Valley Trails Association

1. Call to Order

The Meeting was called to order by the Chair at 9:37 a.m.

2. Certification of Quorum

The Secretary-Treasurer certified quorum with 19 Members present. A total of 23 Members attended the meeting.

3. Chair's Remarks

The Chair made the following remarks in the preceding Source Protection Authority meeting and they are copied here for ease of reference:

- On June 18, the Provincial government announced a cabinet shuffle that included several new appointments and portfolios. The GRCA is pleased to welcome the Honourable Dave Piccini as the newly appointed Minister of Environment, Conservation and Parks, as well as the Honorable Greg Rickford, in his newly

merged role as the Minister of Northern Development, Mines, Natural Resources and Forestry. Minister Rickford also remains appointed as the Minister of Indigenous Affairs. The Chair also thanked Minister Yakabuski and Minister Yurek for their time in these roles

- On June 21, the Chair attended a Conservation Ontario Council meeting, where a highlight of the agenda was reviewing their comments for submission to the Province for the phase 1 proposed regulatory changes to the Conservation Authorities Act

4. Review of Agenda

21-90

Moved By Warren Stauch

Seconded By Michael Harris

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 Meetings

J.Erb and J.Mitchell joined the meeting at 9:38 a.m.

21-91

Moved By John Challinor II

Seconded By Les Armstrong

THAT the minutes of the General Membership Meeting of May 25, 2021 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

- The Board heard from Annie Cote-Kennedy from the Grand Valley Trails Association regarding access for trail usage at Elora Gorge Conservation Area. The delegation provided a background of current and proposed trail access for GVTA members, identified challenges with existing access points, and noted that the GVTA is continuing to work with GRCA staff to find a solution.
- Ms.Cote-Kennedy highlighted that the GVTA is supportive of an annual usage fee for GVTA members, entering into an access agreement with the GRCA, and assuming responsibility for trail maintenance. The delegation also highlighted a proposed potential option to relocate access for GVTA members.
- The Chair thanked the delegation for attending the meeting and presenting their information. W.Stauch, I.MacRae, and B.Corbett indicated their support of staff continuing discussions with the GVTA to come to a mutually agreeable solution, and

S.Foxton noted that the Board should hear a staff review of the options as proposed by the delegation.

- A staff review is included the Board report at agenda item 12.10.

9. Presentations

There were no Presentations.

10. Correspondence

21-92

Moved By Ian MacRae

Seconded By Les Armstrong

THAT Correspondence from the Minister of Natural Resources and Forestry regarding 2021-2022 Water Erosion Control Infrastructure funding be received as information.

Carried

10.1 Minister of Natural Resources and Forestry - 2021-2022 Water Erosion Control Infrastructure funding notification

B.Coleman and B.Bell joined the meeting at 9:50 a.m.

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

None.

12. Reports:

12.1 Minutes of the Ad-Hoc Conservation Authorities Act Committee - June 15, 2021

21-93

Moved By Ian MacRae

Seconded By Bruce Whale

THAT the Minutes of the Ad-hoc Conservation Authorities Act Committee meeting held on June 15, 2021 be received as information.

Carried

12.2 GM-06-21-49 - Environmental Registry Posting 019-2986 - Regulatory Proposal (phase 1) under the Conservation Authorities Act

S.Lawson provided a detailed presentation regarding the phase 1 regulatory changes under the Conservation Authorities Act as proposed by the Province, which included the following key highlights:

- A brief overview of changes to the CA Act over the last six years
- An overview of the current proposed updates, which include changes to mandatory programs and services where levy dollars can be applied, non-mandatory programs delivered on behalf of municipalities, and non-mandatory programs as decided by the Authority, as well as governance updates that include the requirement for community advisory boards

- The impact of the proposed changes, including changes to programs and services and current funding models, and creating and implementing agreements with watershed municipalities to support identified programs
- A detailed transition plan as required by the updated CA Act, that outlines the working plan for how the GRCA will come into compliance with the updated regulations by January 1, 2022
- An overview of GRCA's comments on the proposed updates, which were developed by staff following review, and incorporated comments provided by the Board at the May 28 meeting, and the Ad-Hoc CA Act Committee. Comments are due to the Province on June 27, 2021

Board members discussed the proposed updates and GRCA's proposed response. Key concerns with the updated regulations as proposed by the province included the following:

- Information related to invasive species
- Timelines required to come into compliance with the updated regulations
- Challenges with creating and implementing agreements with a participating and non-participating municipalities within the Grand River watershed
- The impact the proposed regulations will have on existing programs and services

Board members also noted the importance of continued communication with the Province, noting that the Province has newly appointed Ministers of Environment, Conservation and Parks, and Natural Resources and Forestry. The Chair noted that congratulatory letters will be sent to the new Ministers, and will include requests for them to meet virtually with the GRCA Chair and CAO.

21-94

Moved By Susan Foxton

Seconded By Ian MacRae

THAT Report Number GM-06-21-49 - Environmental Registry Posting 019-2986: Regulatory proposal (phase1) under the Conservation Authorities Act be received as information,

AND THAT Grand River Conservation Authority Report GM-06-21-49 be submitted to the Province through the Environmental Registry.

Carried

12.3 GM-06-21-43 - Conservation Ontario Governance Accountability and Transparency Initiative

21-95

Moved By Bernie Corbett

Seconded By Richard Carpenter

WHEREAS the provincial government has passed legislative amendments related to the governance of Conservation Authorities;

AND WHEREAS the Grand River Conservation Authority remains committed to fulfilling accountable and transparent governance;

THEREFORE BE IT RESOLVED THAT the Grand River Conservation Authority endorse the three key actions developed by the Conservation Ontario Steering Committee to update Conservation Authority By-laws, to report proactively on priorities, and to promote/demonstrate results;

AND THAT staff be directed to work with Conservation Ontario to implement these actions and to identify additional improvements and best management practices.

Carried

12.4 GM-06-21-42 - GRCA Human Resources Policy Update

21-96

Moved By Helen Jowett

Seconded By Warren Stauch

THAT the Human Resources Policies dated June 2021 be approved and implemented.

Carried

12.5 GM-06-21-52 - 2021 Foundation Member Appointments

21-97

Moved By John Challinor II

Seconded By Brian Coleman

THAT the following new Member be appointed to the Grand River Conservation Foundation for a term of three years:

- Ankur Gupta;

AND THAT the following Members be re-appointed to the Grand River Conservation Foundation for a term of three years:

- Floyd Davis
- Paul General
- Kathy Reston;

AND THAT the following Members be re-appointed to the Grand River Conservation Foundation for a term of one year:

- Joel Doherty
- James den Ouden

Carried

12.6 GM-06-21-41 - Cash and Investment Status

21-98

Moved By Jerry Smith

Seconded By Susan Foxton

THAT Report Number GM-06-21-41 – Cash and Investment Status – May 2021 be received as information.

Carried

12.7 GM-06-21-51 - Financial Summary for the period ending May 31, 2021

21-99

Moved By Joan Gatward

Seconded By Ian MacRae

THAT the Financial Summary for the period ending May 31, 2021 be approved.

Carried

12.8 GM-06-21-47 - Maintenance Agreement - County of Brant

21-100

Moved By Brian Coleman

Seconded By Joan Gatward

THAT the Grand River Conservation Authority enter into a maintenance agreement with the County of Brant for the lands known as the Paris Properties described as Part of Lots 32,33,34 and 35, Concession 1, South Dumfries, Paris, County of Brant.

Carried

12.9 GM-06-21-46 - Provincial Offences Act Officer Appointments

21-101

Moved By Les Armstrong

Seconded By Ian MacRae

THAT the Grand River Conservation Authority appoints Brad Kuntz and Kaitlyn Rosebrugh as Provincial Offences Act Officers to enforce section 29 of the Conservation Authorities Act.

Carried

12.10 GM-06-21-45 - Elora Gorge Conservation Area - Grand Valley Trails Association Access Request

- P.Walther-Mabee provided a detailed overview of the historic relationship with the Grand Valley Trails Association, and ongoing challenges related to access points at Elora Gorge CA
- Capacity management programs have been implemented at all GRCA conservation authorities due to increased visitation in a strategic effort to balance high visitation with the conservation of natural resources
- Illegal entry through unsanctioned access points at Elora Gorge is an ongoing challenge that results in trespassing and recurring property damage, and poses a significant risk to public safety. Staff are continually monitoring illegal access points and repairing damage
- Discussions between GRCA staff and the GVTA have included proposed alternate trail routes, which would move the trail outside of the conservation

area and ensure GVTA members are accessing Elora Gorge through existing designated entry points. The Elora Gorge is a pay for use conservation area. Conservation areas are required by regulations under the CA Act to have designated entry points

- The presentation also highlighted challenges with proposed solutions as presented by the delegation earlier in the meeting.
- GRCA staff are willing to continue discussions with the delegation to seek a mutually beneficial decision
- Board members discussed the information provided, and inquired about alternative trail options, alternative access points, property maintenance and available resources to handle occurrences of trespassing and repairing damage. P.Walther-Mabee responded to questions, noting that consideration of moving the trail outside of the park has been presented as an option, and that alternative solutions will continue to be explored
- The Chair highlighted that while this is an ongoing concern currently at Elora Gorge CA, the outcome will impact all GRCA properties that are accessed by the public for recreational use, adding that staff will continue discussions with the GVTA, and could include the municipality in a future meeting if required

21-102

Moved By Ian MacRae

Seconded By Bob Bell

THAT Report Number GM-06-21-45 – Elora Gorge Conservation Area - Grand Valley Trail Association Access Request be received as information.

Carried

12.11 GM-06-21-48 - GRCA Hunting Program Update

21-103

Moved By John Challinor II

Seconded By Ian MacRae

THAT the Grand River Conservation Authority remove the Crawford Tract from the list of Grand River Conservation Authority properties that are available for permitted hunting effective September 1, 2021.

Carried

12.12 GM-06-21-44 - Emerald Ash Borer Strategy - Implementation Update

- R.Wu-Winter provided a presentation on the GRCA's Emerald Ash Borer (EAB) strategy and Hazard Tree Management program
- The presentation highlighted the devastating impact of the EAB since its appearance in the watershed in 2010, the implementation of a hazard tree risk program to better prioritize the risk associated with damaged trees, and the progress GRCA staff have made in the removal of hazard ash trees across the watershed

- The EAB strategy included the use of a chemical treatment for ash trees in the earlier stages of an EAB infestation, and some successes have been noted with the status of those trees
- Over 16 thousand hazard trees have been removed from GRCA properties over the past eight years by arboriculture and forestry staff
- The EAB Strategy has been funded by operating and reserve funds, as well as special MNRF approval for the use of land sale reserves to fund a portion of the project. Moving forward, some outstanding work remains
- Board members discussed the presentation and inquired about the future of ash trees and the Emerald Ash Borer, comparison to other invasive species seen in the past, and reforestation efforts to offset the significant loss of trees. R.Wu-Winter responded to questions, noted the GRCA's high annual tree-planting rate, and discussed the consideration of the future of ash trees in Ontario. It was noted that the future of the EAB remains unknown at this time, as does the need for ongoing treatment of ash trees
- G.Gardhouse requested that staff provide an update in the Fall on the status of the Gypsy Moth infestation. H.Jowett added a request for an information page that can be shared with members of the public inquiring about the infestation, and K.McGarry noted that Invasive Species Ontario is an excellent resource for information about the Gypsy Moth and other invasive species

21-104

Moved By Bernie Corbett

Seconded By Joan Gatward

THAT Report Number GM-06-21-44 – Emerald Ash Borer Strategy – Implementation Update be received as information.

Carried

12.13 GM-06-21-50 - New Hamburg Regulatory Floodplain Mapping Updates

21-105

Moved By Les Armstrong

Seconded By Bruce Banbury

THAT the updated New Hamburg Floodplain Mapping Update completed by the GRCA be endorsed for use 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.

Carried

12.14 GM-06-21-53 - Current Watershed Conditions

- D.Boyd noted that high precipitation is expected in the coming days, which staff will be closely monitoring

21-106

Moved By Brian Coleman

Seconded By John Challinor II

THAT Report Number GM-06-21-52 – Current Watershed Conditions as of June 15, 2021 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

- W.Stauch noted that on a recent trip to Snyder's Flats CA, he noticed the waste bins were overwhelmed. S.Lawson noted that staff check the area on a regular basis, and that staff may consider adding additional receptacles
- J.Mitchell thanked the Board and staff for sharing condolences following her husband's recent passing
- R.Carpenter requested that a map of GRCA properties in Brantford and Brant be provided following the meeting

17. Closed Meeting

21-107

Moved By Helen Jowett

Seconded By Ian MacRae

THAT the General Membership enter a closed meeting to discuss a confidential matter.

Carried

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

21-108

Moved By Richard Carpenter

Seconded By John Challinor II

THAT the General Membership return to open session.

Carried

The General Membership reconvened in open session. Due to a technical difficulty, the live meeting stream was not resumed.

17.1 Minutes of the Previous Closed Session

21-109

Moved By John Challinor II

Seconded By Ian MacRae

THAT the minutes of the previous closed session be received as information.

Carried

17.2 GM-06-21-C08 - Property Agreement - Township of Woolwich

21-110

Moved By Ian MacRae

Seconded By Brian Coleman

IN ORDER TO FURTHER THE OBJECTS of Grand River Conservation Authority by improving overland drainage on adjacent lands to mitigate potential erosion issues on Grand River Conservation Authority property;

THEREFORE BE IT RESOLVED THAT Grand River Conservation Authority enter into a Mutual Drain Agreement under the Drainage Act with Andrew Martin and Milky Wave Inc. over those lands described as Part of Lot 101, German Company Tract, Township of Woolwich, Regional Municipality of Waterloo for the installation and maintenance of a drainage outlet.

Carried

18. Next Meeting

19. Adjourn

The meeting was adjourned at 11:39 p.m.

21-111

Moved By Guy Gardhouse

Seconded By Susan Foxton

THAT the meeting of the General Membership be adjourned.

Carried

Chair

Secretary-Treasurer



July 15, 2021

VIA EMAIL

Finance Department
Office of the Commissioner
1151 Bronte Road
Oakville, ON L6M 3L1

Mr. Chris White, Chair
Grand River Conservation Authority
400 Clyde Road, PO Box 729
Cambridge, ON N1R 5W6

Dear Chair White:

The Council of the Regional Municipality of Halton approved the 2022 Budget Directions at its meeting, held Wednesday, July 14, 2021 as attached in this letter (Report No. FN-20-21 Re: 2022 Budget Directions), and adopted the following resolution:

RESOLUTION: FN-20-21 – 2022 Budget Directions

4. THAT a letter from the Commissioner of Finance and Regional Treasurer identifying the 2022 Budget Directions target of the following budget increases and a copy of Report No. FN-20-21 be forwarded to the respective boards as follows:
 - a. Halton Regional Police Service 3.7% increase
 - b. Conservation Halton 3.7% increase
 - c. Credit Valley Conservation 3.7% increase
 - d. Grand River Conservation Authority 3.7% increase
 - e. Royal Botanical Gardens 2.0% increase

To achieve the budget directions approved by Regional Council, the budget guideline for Grand River Conservation Authority is a net expenditure increase of no more than 3.7%. This maintains the Region's key priority of an effective tax increase less than or equal to inflation of 2%, assuming assessment growth in the 2022 Budget of 1.7%, totaling 3.7%. As part of the 2022 Budget process, Halton Region Finance staff will meet with Grand River Conservation Authority Finance staff during the upcoming months to discuss Grand River Conservation Authority's 2022 budget submission.

Sincerely,

A handwritten signature in blue ink, appearing to read "Keshwer Patel".

Keshwer Patel
Commissioner of Finance & Regional Treasurer

Cc: Samantha Lawson, Chief Administrative Officer, Grand River Conservation Authority
Gary Carr, Halton Regional Chair
Jane MacCaskill, Chief Administrative Officer, Halton Region

Regional Municipality of Halton

HEAD OFFICE: 1151 Bronte Rd, Oakville, ON L6M 3L1

905-825-6000 | Toll free: 1-866-442-5866



July 15, 2021

VIA EMAIL

Finance Department
Office of the Commissioner
1151 Bronte Road
Oakville, ON L6M 3L1

Mr. Chris White, Chair
Grand River Conservation Authority
400 Clyde Road, PO Box 729
Cambridge, ON N1R 5W6

Dear Chair White:

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Sincerely,

A handwritten signature in blue ink, appearing to read "Keshwer Patel".

Keshwer Patel
Commissioner of Finance & Regional Treasurer

Cc: Samantha Lawson, Chief Administrative Officer, Grand River Conservation Authority
Gary Carr, Halton Regional Chair
Jane MacCaskill, Chief Administrative Officer, Halton Region

Regional Municipality of Halton

HEAD OFFICE: 1151 Bronte Rd, Oakville, ON L6M 3L1

905-825-6000 | Toll free: 1-866-442-5866

From: noreply@grandriver.ca on behalf of [Pauline Richards](#)
To: [Eowyn Spencer](#)
Subject: Land Back Camp
Date: Monday, August 16, 2021 1:31:42 PM

I would like to urge the GRCA Board of Directors to make a permanent gift of the portion of the camping area in Laurel Creek Conservation Area currently occupied by the Land Back Camp to the indigenous group that is currently occupying it.

Origin: <https://www.grandriver.ca/en/who-we-are/GRCA-Board-of-Directors.aspx>

This email was sent to you by Pauline Richards<[REDACTED]> through
<https://www.grandriver.ca>.

Grand River Conservation Authority

Report number: GM-08-21-58

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Cash and Investment Status – July 2021

Recommendation:

THAT Report Number GM-08-21-58 Cash and Investment Status – July 2021 be received as information.

Summary:

The cash position including Notes Receivable of the Grand River Conservation Authority as at July 31, 2021 was \$40,272,264 with outstanding cheques written in the amount of \$31,377.

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

Sonja Radoja
Manager of Corporate Services

Approved by:

Karen Armstrong
Deputy CAO/Secretary Treasurer

**Grand River Conservation Authority
Cash and Investments Status Report
July 31, 2021**

BANK ACCOUNTS	Location	Type	Amount	Interest Rate
	CIBC	Current Account	18,457,019	0.65%
	RBC	Current Account	63,855	nil
	Wood Gundy	Current Account	0	nil
	CIBC - SPP Holding	Current Account	250,203	0.65%
	TOTAL CASH - CURRENT ACCOUNT		18,771,077	

INVESTMENTS	Date Invested	Location	Type	Amount	Face Value Interest Rate	Yield Rate	Date of Maturity	2021 Total Interest Earned/ Accrued
		CIBC Renaissance	High Interest Savings Account	4,463,721	0.25%	0.25%	not applicable	10,457
		One Investment Savings	High Interest Savings Account	4,314,466	0.715%	0.165%	not applicable	21,027
	August 24, 2017	Bank of Montreal	Bond	1,550,000	1.61%	2.01%	October 28, 2021	25,384
	May 17, 2019	Bank of Nova Scotia	Bond	800,000	1.90%	2.15%	December 2, 2021	15,674
	June 17, 2019	Cdn Western Bank	Bond	1,542,000	2.788%	2.09%	September 13, 2021	22,659
	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	99,259
	January 16, 2020	Cdn Western Bank	Bond	3,000,000	2.597%	2.45%	September 6, 2024	73,383
		TOTAL INVESTMENTS		21,501,187				\$323,468
		TOTAL CASH AND INVESTMENTS		\$40,272,264				
		* Reserve Balance at December 31st, 2020		23,899,839				

Investment By Institution

	<u>% of Total Portfolio</u>
C.I.B.C.	21%
Bank of Nova Scotia	4%
Bank of Montreal	7%
Royal Bank	0%
Laurentian	18%
Cdn Western Bank	31%
One Investment Program	20%
	100%

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

Grand River Conservation Authority

Report number: GM-08-21-60

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Financial Summary for the Period Ending July 31, 2021

Recommendation:

THAT the Financial Summary for the period ending July 31, 2021 be approved.

Summary:

The Financial Summary includes the 2021 *actual* year-to-date income and expenditures. The budget approved at the February 26, 2021 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 surplus of \$300,000 at year-end is forecast.

Report:

- A. Government Funding increased \$265,500.
 - Federal funding increased by \$187,500 for funding related to the National Disaster Mitigation Program (NDMP) approved project to update Floodplain mapping for Speed and Conestogo River; and similarly for \$78,000 related to an approved NDMP project for depth damage assessments in Grand Valley and Drayton.
- B. Self-Generated Revenue increased by \$1,300,000.
 - Conservation Area revenue increased by \$1,300,000 due to revised projection of annual sales volume. Strong camping and membership sales and higher than expected day use revenue is driving the increased projection.
- C. Operating Expenditures increased by \$381,000.
 - Insurance expenditures increased by \$62,000 due to increased premium costs.
 - EAB expenses related to the cottage lot program increased by \$64,000 and will be funded by the land sale proceeds reserve as per the MECP. This adjustment is a reallocation of a portion of EAB budget expense shown under Conservation Lands (Sch 10) to Property Rentals (Sch 11).
 - Conservation Services expenses decreased by \$35,000 due to decrease in compensation and benefit expenses (due to vacancy).
 - Outdoor Education compensation and benefit expenses decreased by \$50,000 due to reduced staffing required to service the school contracts.
 - Water Resources-Planning and Environment administrative expenses decreased by \$20,000 as a result of reduced travel expenditures.
 - Corporate Services expenses decreased by \$40,000 due to reduction in expenses related to board member meals and travel (\$20,000), and staff communications (\$20,000).
 - Conservation area expenses increased by \$400,000 due to COVID related expenditures for additional vehicles, increased reservation fees due to increased demand, security, gate operations and park maintenance related expenditures.
- D. Capital Expenditures increased by \$165,000.

- Flood Forecast and Warning expenses increased by \$165,000 due to increased spending on data loggers instrumentation equipment.
- E. Special Project Expenses increased by \$381,000.
- Conservation Lands expenses decreased by \$150,000 related to Emerald Ash Borer (EAB) that was eligible for funding from the land sales proceeds reserve. GRCA's approval from the province to utilize the reserve ended on March 31, 2021. The GRCA continues to incur EAB expenses, but these expenses are no longer considered special project expenses and instead will be treated as normal operating expenses.
 - Flood Forecasting and Warning expenses increased by \$531,000, related to approved NDMP projects for \$375,000 and \$156,000; 50% approved funding to come from the Federal government; 50% will be funded by the land sale proceeds reserve.
- F. Net Decrease to Transfer from Reserves is \$555,500.
- Transfer from land sale proceeds reserve decreased by \$86,000 related to less EAB spending compared to budget.
 - Transfer from land sale proceeds reserve increased by \$265,500 to fund 50% of the NDMP projects.
 - Transfer from land sale proceeds reserve increased by \$165,000 in order to fund hardware (data loggers) for the flood forecasting and warning program.
 - Transfer from Conservation Area reserve decreased by \$900,000 as a result of the current revenue and expenditure projection.

The Financial Summary is attached.

Financial Implications:

The financial summary outlines a forecast net surplus of \$300,000 at December 31, 2021.

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
Secretary-Treasurer/Deputy CAO

Sonja Radoja
Manager of Corporate Services

GRAND RIVER CONSERVATION AUTHORITY

FINANCIAL SUMMARY - FORECAST

General Membership August 27, 2021

FORECAST - JUNE 30 2021 - NET SURPLUS/(DEFICIT)	\$217,000
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CHANGES - July 2021

Sch 1	WR-Planning & Environment	(\$15,000)	Insurance Expense increased	(\$15,000)
Sch 9	Corporate Services	(\$14,000)	Insurance Expense increased	(\$14,000)
Sch 10	Conservation Lands	(\$33,000)	Insurance Expense increased	(\$33,000)
Sch 1	Water Resources-Planning & Environment	\$20,000	Admin Expenses (Conferences and Travel) decreased	\$20,000
Sch 2	Flood Forecasting & Warning	(\$165,000)	Capital Expenses (Data Loggers) increased	\$0
		\$165,000	Transfer from Land Sale Proceeds Reserve increased	
Sch 2	Flood Forecasting & Warning	(\$375,000)	Special Project-Floodplain Mapping Speed & Conestogo Expenses increased	\$0
		\$187,500	Federal Funding increased (NDMP Intake #6)	
		\$187,500	Transfer from Land Sale Proceeds Reserve increased	
Sch 2	Flood Forecasting & Warning	(\$156,000)	Special Project-Floodplain Mapping Grand Valley & Drayton Expenses increased	\$0
		\$78,000	Federal Funding increased (NDMP Intake #6)	
		\$78,000	Transfer from Land Sale Proceeds Reserve increased	
Sch 6	Conservation Services	\$35,000	Compensation and Benefit Expenses decreased	\$35,000
Sch 8	Nature Centres	\$50,000	Compensation and Benefit Expenses decreased	\$50,000
Sch 9	Corporate Services	\$20,000	Admin Expenses (Board Meetings) decreased	\$40,000
		\$20,000	Admin Expenses (Communications) decreased	
Sch 10	Conservation Lands	\$150,000	Special Projects-EAB Spending decreased	\$0
		(\$150,000)	Transfer from Land Sales Proceeds Reserve decreased	
Sch 11	Property Rentals	(\$64,000)	Cottage Lot Program - EAB Expenses increased	\$0
		\$64,000	Transfer from Land Sales Proceeds Reserve increased	
Sch 13	Conservation Areas	\$1,300,000	Conservation Area Revenue increased (from \$7.2M to \$8.5M)	\$0
		(\$50,000)	Compensation and Benefit Expenses decreased	
		(\$350,000)	Other Expenses decreased	
		(\$900,000)	Transfer from Conservation Area Reserve decreased	

FORECAST - July 2021- NET SURPLUS/(DEFICIT)	\$300,000
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**GRAND RIVER CONSERVATION AUTHORITY
STATEMENT OF OPERATIONS
FOR THE PERIOD ENDING July 31, 2021**

SCHEDULE		Actual 2020	Budget 2021	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
REVENUE							
<u>Municipal</u>							
General Municipal Levy (Operating)	various	10,977,000	11,275,000	7,516,667	11,275,000	11,275,000	0
General Municipal Levy (Capital)	various	950,000	950,000	633,333	950,000	950,000	0
Special Municipal Levy	various	71,943	130,000	4,680	130,000	130,000	0
Other	various	639,589	800,000	1,165,783	800,000	800,000	0
		12,638,532	13,155,000	9,320,463	13,155,000	13,155,000	0
<u>Government Grants</u>							
MNRF Transfer Payments	various	449,688	449,688	449,688	449,688	449,688	0
Source Protection Program-Provincial	various	681,421	640,000	148,378	640,000	640,000	0
Other Provincial	various	863,182	1,267,500	822,603	1,267,500	1,267,500	0
Federal	various	352,880	215,000	183,221	265,000	530,500	265,500
		2,347,171	2,572,188	1,603,890	2,622,188	2,887,688	265,500
<u>Self Generated</u>							
User Fees and Sales							
<i>Enquiries and Permits</i>	4	565,822	494,000	473,763	544,000	544,000	0
<i>Plan Input and Review</i>	4	410,804	400,000	320,674	450,000	450,000	0
<i>Nursery and Woodlot Management</i>	5	174,627	365,000	373,679	395,000	395,000	0
<i>Conservation Lands Income</i>	10	78,542	71,000	13,105	71,000	71,000	0
<i>Conservation Areas User Fees</i>	13	6,124,125	7,200,000	5,915,641	7,200,000	8,500,000	1,300,000
<i>Nature Centres and Camps</i>	8	233,439	500,000	281,282	500,000	500,000	0
<i>Merchandising and Sales</i>	8	605	0	457	0	0	0
Property Rentals	11	3,041,678	2,898,000	2,202,066	2,898,000	2,898,000	0
Hydro Generation	12	799,841	530,000	305,786	530,000	530,000	0
Land Sales	10	3,419,145	0	10,000	0	0	0
Grand River Conservation Foundation	various	161,820	285,000	6,722	285,000	285,000	0
Donations	various	0	100,000	28,656	100,000	100,000	0
Landowner Contributions	5	47,289	200,000	161,037	200,000	200,000	0
Investment Income	14	488,691	565,000	169,857	565,000	565,000	0
Miscellaneous Income	various	295,185	8,000	1,331	8,000	8,000	0
Total Self-Generated Revenue		15,841,613	13,616,000	10,267,782	13,746,000	15,046,000	1,300,000
TOTAL REVENUE		30,827,316	29,343,188	21,192,135	29,523,188	31,088,688	1,565,500

GRAND RIVER CONSERVATION AUTHORITY
STATEMENT OF OPERATIONS
FOR THE PERIOD ENDING July 31, 2021

	SCHEDULE	Actual 2020	Budget 2021	Actual YTD	Previous Forecast	Current Forecast	Forecast Change
EXPENSES							
OPERATING							
Water Resources Planning & Environment	1	1,617,996	2,059,700	1,090,473	2,015,700	2,010,700	(5,000)
Flood Forecasting and Warning	2	658,712	828,800	529,158	803,800	803,800	0
Water Control Structures	3	1,590,655	1,785,700	927,988	1,785,700	1,785,700	0
Resource Planning	4	1,984,531	2,082,200	1,112,850	2,082,200	2,082,200	0
Forestry & Conservation Land Property Taxes	5	858,656	1,365,000	829,244	1,365,000	1,365,000	0
Conservation Services	6	685,337	635,200	277,433	605,200	570,200	(35,000)
Communications & Foundation	7	565,010	524,500	274,156	524,500	524,500	0
Environmental Education	8	602,324	840,600	383,895	840,600	790,600	(50,000)
Corporate Services	9	3,491,047	3,627,629	2,039,572	3,609,629	3,583,629	(26,000)
Conservation Lands	10	1,814,213	2,048,900	1,240,480	2,048,900	2,081,900	33,000
Property Rentals	11	1,218,702	1,478,200	787,169	1,478,200	1,542,200	64,000
Hydro Production	12	114,429	92,000	99,730	127,000	127,000	0
Conservation Areas	13	5,573,218	7,200,000	3,886,902	7,200,000	7,600,000	400,000
Miscellaneous	14	30,321	70,000	7,864	70,000	70,000	0
Information Systems	16	1,202,902	1,382,000	666,472	1,382,000	1,382,000	0
Motor Pool	16	714,759	936,000	482,268	936,000	936,000	0
Less: Internal Charges (IS & MP)	16	(1,917,661)	(2,318,000)	(1,148,740)	(2,318,000)	(2,318,000)	0
Total OPERATING Expenses		20,805,151	24,638,429	13,486,914	24,556,429	24,937,429	381,000
CAPITAL							
Water Resources Planning & Environment	1	5,932	110,000	30,810	110,000	110,000	0
Flood Forecasting and Warning	2	298,606	190,000	268,561	190,000	355,000	165,000
Water Control Structures	3	1,365,239	1,500,000	353,018	1,500,000	1,500,000	0
Nature Centres	8	0	0	0	0	0	0
Conservation Areas	13	795,020	1,500,000	270,321	1,500,000	1,500,000	0
Corporate Services	9	0	0	0	0	0	0
Information Systems	16	79,333	170,000	109,262	170,000	170,000	0
Motor Pool	16	476,828	450,000	108,188	450,000	450,000	0
Less: Internal Charges (IS & MP)	16	(645,826)	(163,000)	(1,224,116)	(163,000)	(163,000)	0
Total Capital Expenses		2,375,132	3,757,000	(83,956)	3,757,000	3,922,000	165,000
SPECIAL							
Water Resources Planning & Environment	1	241,858	220,000	84,230	220,000	220,000	0
Flood Forecasting and Warning	2	214,001	360,000	53,392	360,000	891,000	531,000
Forestry	5	25,635	100,000	51,688	100,000	100,000	0
Conservation Services	6	663,161	1,060,000	511,308	1,110,000	1,110,000	0
Environmental Education	8	54,753	0	18,359	0	0	0
Conservation Land Purchases/Land Sale Expenses	10	59,047	0	8,287	0	0	0
Conservation Lands	10	354,007	658,000	247,424	658,000	508,000	(150,000)
Miscellaneous	14	0	0	0	0	0	0
Source Protection Program	15	681,421	640,000	314,952	640,000	640,000	0
Total SPECIAL PROJECTS Expenses		2,293,883	3,038,000	1,289,640	3,088,000	3,469,000	381,000
Total Expenses		25,474,166	31,433,429	14,692,598	31,401,429	32,328,429	927,000
Gross Surplus		5,353,150	(2,090,241)	6,499,537	(1,878,241)	(1,239,741)	638,500
Prior Year Surplus Carryforward		377,287	316,241	377,287	316,241	316,241	0
Net Funding FROM/(TO) Reserves		(5,414,196)	1,774,000	(1,007,806)	1,779,000	1,223,500	(555,500)
NET SURPLUS		316,241	0	5,869,018	217,000	300,000	83,000

Grand River Conservation Authority

Report number: GM-08-21-59

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Exception Request for Chair and Vice-Chair Term Limits and Rotation

Recommendation:

THAT the General Membership refer discussions relating to the exception request for Chair and Vice-Chair term limits to the Ad-hoc Conservation Authorities Act Regulations Committee;
AND THAT the Committee report back to the General Membership at the September meeting.

Summary:

Amendments to the Conservation Authorities Act (CAA) through Bill 229 included changes to limit the length of terms for the Chair and Vice-Chair to one year terms, and no more than two consecutive terms, and to require that the Chair and Vice-Chair positions be rotated between all participating municipalities. By-law 1-2021 was updated and approved at the March General Membership meeting to reflect these changes.

The legislation also added a provision that requests for exceptions from these two requirements may be made to the Minister of Environment, Conservation and Parks. Specific submission requirements have been identified for any request for exception(s). A meeting with the Ad Hoc Committee will be scheduled to discuss the requirements and direct staff on the completion of a draft submission which will be brought back to the General Membership for review and approval.

Report:

By-law 1-2021 was updated and approved by the Members in March 2021 to reflect a number of proclaimed legislative changes. There were changes that introduced term limits for the Chair and Vice-Chair, and a requirement that both positions be rotated amongst all participating municipalities. An excerpt of the relevant legislation is included in Appendix A.

Prior to this update, the Grand River Conservation Authority By-law allowed for a maximum of five one-year terms for the Chair and Vice-Chair, and there was no reference to rotation of chair. The current By-law now states:

Section B 4. Maximum Term for Chair and Vice-Chair(s)

The individuals elected shall hold office until their successors are elected and will be eligible for re-election to the same office for up to a maximum of two one-year terms. Appointments must rotate amongst participating municipalities and a member from a specific municipality cannot be elected to succeed an outgoing Chair or Vice-Chair appointed by the same municipality.

The legislative update also included a provision for Conservation Authorities to apply to the Minister of Environment, Conservation and Parks for exceptions to the length of term to enable the term to exceed one year, or to hold office for more than two consecutive terms, and to allow the Board to appoint a member as Chair or Vice-Chair from the same participating municipality as the outgoing Chair or Vice-Chair.

Exception requests require the table in Appendix B to be completed and submitted along with a covering letter, a clear statement of the request from the Authority membership through a resolution, and meeting minutes and details of a recorded vote on the resolution.

Staff recently received correspondence from the Assistant Deputy Minister of the Lands and Waters Division at the Ministry of Environment, Conservation and Parks (MECP) clarifying that time served prior to February 2, 2021 by existing Chairs and Vice Chairs applies when determining eligibility for reappointment under the CAA, and that exception requests are to be submitted well in advance of the expiry of current appointments.

A meeting with the Ad Hoc Committee will be scheduled to discuss the requirements and direct staff on the completion of a draft exception request submission which will be brought back to the General Membership for review and approval.

Financial Implications:

Not applicable

Other Department Considerations:

Staff have consulted with Conservation Ontario and other Conservation Authorities about other requests submitted to the MECP and completion of the request submissions.

Prepared by:

Karen Armstrong
Deputy CAO, Secretary-Treasurer

Approved by:

Samantha Lawson
Chief Administrative Officer

Appendix A: Relevant wording in the *Conservation Authorities Act*

Chair, vice-chair

17 (1) At the first meeting held in each year or at such other meeting as may be specified by the authority's by-laws, the authority shall appoint a chair and one or more vice-chairs from among the members of the authority. 1996, c. 1, Sched. M, s. 43; 2017, c. 23, Sched. 4, s. 14.

Term of chair, vice-chair

(1.1) A chair or vice-chair appointed under subsection (1) shall hold office for a term of one year and shall serve for no more than two consecutive terms. 2020, c. 36, Sched. 6, s. 4.

Representation from each municipality

(1.2) An authority in respect of which more than one participating municipality has been designated shall appoint chairs and vice-chairs from among the members appointed to the authority by each participating municipality on a rotating basis so as to ensure that a member appointed to the authority by a particular participating municipality cannot be appointed to succeed an outgoing chair or vice-chair appointed to the authority by the same participating municipality. 2020, c. 36, Sched. 6, s. 4.

Exception

(1.3) Despite subsections (1.1) and (1.2), upon application by an authority or a participating municipality, the Minister may grant permission to the authority or participating municipality to, subject to such conditions or restrictions as the Minister considers appropriate,

- (a) appoint a chair or vice-chair for a term of more than one year or to hold office for more than two consecutive terms; or
- (b) appoint as chair or vice-chair of the authority a member who was appointed to the authority by the same participating municipality that appointed the outgoing chair or vice-chair. 2020, c. 36, Sched. 6, s. 4.

ATTACHMENT A:**Subsection 17(1.3) of the *Conservation Authorities Act* (CAA)
Application for Minister's Exception (Chair and Vice-Chair Provisions)**

Item	Details from Applicant
Name of participating municipality or conservation authority submitting application	
Composition of Authority:	
Total number of the authority membership	
Number of participating municipalities in the authority	
For each participating municipality, the number of appointed municipal council members and non-municipal council members	
Proposal details:	
Statement of the request for an exception (e.g. seeking an exception under clause 17(1.3) (a), 17(1.3) (b) of the CAA or both etc.). (see Appendix for these legislative provisions)	
Which participating municipality(ies) does the candidate for chair and/or vice-chair represent(s).	
Whether the candidates for chair and/or vice-chair are members of municipal council or non-elected municipal appointees.	
Service time to date of the chair and/or vice-chair incumbents in the role whose terms are proposed to be extended.	
Detailed rationale, including local circumstances, for the Minister to consider as to why an exception is needed.	

Grand River Conservation Authority

Report number: GM-08-21-62

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: New Guelph Lake Nature Centre and Environmental Education Program Update

Recommendation:

WHEREAS the Grand River Conservation Authority remains committed to supporting the construction of a new Guelph Lake Nature Centre;

THEREFORE BE IT RESOLVED THAT staff be directed to proceed with a preliminary redesign of the new building and provide an update to the General Membership by the end of 2021;

AND THAT Report Number GM-08-21-62 – New Guelph Lake Nature Centre and Environmental Education Program Update be received as information.

Summary:

At the August 2020 General Membership meeting, an update on the new Guelph Lake Nature Centre (GLNC) was received as information and can be summarized as follows:

The proposed GLNC building continues to have a forecasted project deficit. Staff elected to defer a tender to allow time for additional fundraising to occur and to better understand the immediate and potential long-term impacts to the GRCA's outdoor environmental education program resulting from the COVID-19 pandemic.

Since August 2020, the pandemic coupled with the December 2020 provincial changes to the Conservation Authorities Act have had an ongoing impact on the GRCA's outdoor environmental education program, and consequently the new GLNC project. The GRCA is currently in the process of reevaluating its outdoor environmental education program in order to develop a sustainable program model.

GRCA staff recommend that the new GLNC building be redesigned as a less expensive, multifunctional space that will meet the future needs of both the GRCA's outdoor environmental education program, as well as the Guelph Lake Conservation Area. The preliminary redesign of the new GLNC building will be presented to the General Membership by the end of 2021, with a goal of proceeding with a tender for the project in the summer of 2022 pending site plan and permit approval.

Report:

Update on the GRCA's Outdoor Environmental Education Program

Since 1973, the GRCA has been actively connecting children and adults with nature by offering an outdoor environmental education program. The outdoor environmental education program provides people of all ages with the opportunity to engage with the local environment of the Grand River watershed. The core of the program is the hands-on, experiential, curriculum-based field trips for students from preschool to grade 12. This school program has been largely possible through partnership agreements with five school boards within the Grand River watershed (Brant Haldimand Norfolk Catholic District School Board, Grand Erie District School

Board, Waterloo Region District School Board, Waterloo Catholic District School Board and Wellington Catholic District School Board).

More recently and until March 2020, the GRCA provided school and other outdoor environmental education programs at four year-round nature centres and two seasonal locations. Due to the COVID-19 pandemic, the GRCA's nature centres were closed in the spring of 2020, and school board contracts and all other community programs (e.g.: day camps, community programs, individual school classes) were cancelled. Currently, the GRCA's nature centres remain closed to the public.

However, the GRCA was able to resume its outdoor environmental education school program in a modified and/or virtual learning environment through agreements with four watershed school boards in 2021. GRCA staff did incredible work in adapting the program, offering virtual classes and some outdoor classes at or nearby schools from January to June 2021.

The province recently announced its back-to-school plan, with in-person learning set to resume in September for all students. Remote learning will continue to be an option for students during the 2021-22 school year. The government is cautioning that its back-to-school plan may be adjusted based on key public health and health care data, and given the ongoing concern about the delta variant, rising case numbers and the fact that a vaccine is not yet available for children under the age of 12. Some public health units might require additional health and safety measures based on local public health data.

Currently, the GRCA's focus continues to be on the school component of its outdoor environmental education program. GRCA staff are working with school boards to finalize agreements for the 2021-2022 school year. It is anticipated that agreements with five school boards will be finalized in September, pending enrolment information and each school board's individual back-to-school plan. Agreements will include the option of in person outdoor classes at or nearby schools, virtual learning and the possibility of returning students to some of the nature centres later in the school year, provided the GRCA is able to meet all public health requirements and in alignment with the overall program review. Further consideration will be given to the other components of the outdoor environmental education program in the fall, once school board agreements are finalized.

In December 2020, the province passed Bill 229, which amended the Conservation Authorities Act. In May 2021, the Ministry of the Environment, Conservation and Parks posted the phase 1 regulations to the Environmental Registry of Ontario for public comment. The first phase of proposed regulations included, among others, the mandatory programs and services that a conservation authority would be required to provide, as well as the requirement for conservation authorities to enter into agreements with participating municipalities to apply levy dollars for the delivery of non-mandatory programs and services.

The GRCA continues to gain insight about the operational impacts to its outdoor environmental education program resulting from the regulation changes proposed under the Conservation Authorities Act. Our current understanding is that the outdoor environmental education program will be considered non-mandatory, and therefore will no longer be eligible for levy funding. Currently, the GRCA's outdoor environmental education program is funded with various sources of revenue: self-generated, municipal levy and donations from the Grand River Conservation Foundation (GRCF). In 2019, levy funding accounted for approximately \$300,000 of the outdoor environmental education annual budget. In order to continue to apply municipal funding to this program, the GRCA would need to negotiate agreements with participating municipalities. If this is not feasible, the GRCA would need alternative sources of funding to make up for the shortfall or would need to reduce the annual budget by approximately \$300,000 (assuming program revenue from other sources will continue to be at the same level that it was prior to 2020).

Throughout the pandemic, the importance of spending time outdoors and in nature has been essential to people's health and well-being. Over the last six months, we have received much positive feedback about the GRCA's outdoor environmental education program from our partner school boards, and the tremendous value of the program in supporting students' mental and physical health. The changes to the education sector brought on by the pandemic coupled with the potential loss of levy funding have had a significant and ongoing impact on the GRCA's outdoor environmental education program. Looking forward, it is evident that the business model that has sustained the GRCA's outdoor environmental education program must be revisited to ensure the program's sustainability in the long-term. As part of this review, a complete assessment of the program, existing nature centre buildings and properties is underway.

Update on the new Guelph Lake Nature Centre (GLNC)

On April 15, 2021, the GRCA and the GRCF held a virtual Town Hall to update donors on the status of the new GLNC project. GRCA staff shared information on the work that has been done at the new nature centre site within Guelph Lake Conservation Area to date, including the pollinator gardens, a pond, an outdoor classroom and nature trails. The parking lot and road access point have been commenced, and the septic system at the recently completed maintenance shop was sized to accommodate the new GLNC (see Figure 1). Updates on the critical impacts, including challenges related to the ongoing pandemic and changes to the Conservation Authorities Act, were also shared with donors. The GRCA and GRCF reiterated the project's value and reassured donors of the commitment to reinvigorating the fundraising campaign and seeing the project through to completion.

An overview of fundraising to date was provided, highlighting the current projected gap in funding. Due to the uncertainty brought on by the pandemic, the forecasted project deficit is expected to grow as a result of unusually high construction cost escalation. At this time, we understand that construction cost escalations have ranged from 15 to 40 per cent.

While the evaluation of the outdoor environmental education program is not yet complete, it has become evident that the current building design for the new Guelph Lake Nature Centre is not aligned with the future needs of the program.

GRCA staff recommend proceeding with a preliminary redesign of the new building and to provide an update to the General Membership by the end of 2021, which:

- maintains an emphasis on accessible outdoor spaces;
- incorporates the importance of new technology and evolving trends in outdoor education;
- considers potential changes to building requirements due to COVID-19;
- considers the needs of not only the GRCA's outdoor environmental education program, but also the needs of the Guelph Lake Conservation Area in order to maximize the use of the building and GRCA funding sources.

Consideration is being given to further reducing the size of the building to realize additional cost savings. Through the redesign, consideration will be given to donor gift agreements and commitments. A further update to the GRCA and GRCF boards will be provided at the end of 2021.

Financial Implications:

The balance of the GRCF funds for the project is \$1,683,467.03 (\$1,213,467.03 received + \$470,000 committed). In addition, there is \$100,000 set aside by the GRCA in the Guelph Nature Centre Reserve that has not been accessed to date.

To date, the GRCF has also contributed \$220,000 towards the following project costs: building studies, consulting fees, surveys, utility infrastructure and access roads.

GRCA staff recommend that the \$100,000 set aside by the GRCA be used towards the cost of the redesign so that no donor funds are needed for this work.

Other Department Considerations:

This project has involved staff from many different departments at the GRCA and the Grand River Conservation Foundation Board has done considerable work fundraising for this project.

Prepared by:

Brandon Heyer
Manager of Central Services

Approved by:

Samantha Lawson
Chief Administrative Officer

Lisa Stocco
Manager of Strategic Communications
and Environmental Education

Figure 1 - Map of the new GLNC site depicting work that has been completed or has commenced



Grand River Conservation Authority

Report number: GM-08-21-53

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Provincial Offences Officer Appointments

Recommendation:

THAT the Grand River Conservation Authority appoint Trevor Heywood and Laura Warner as Provincial Offences Officers.

Summary:

The designation of Resource Planners as Provincial Offences Officers allows them to complete the duties assigned to the position dealing with compliance and enforcement of Ontario Regulation 150/06.

Report:

As Provincial Offences Officers, Trevor Heywood and Laura Warner will be responsible for inspections, investigations and enforcement of the Grand River Conservation Authority (GRCA) Development, Interference with Wetlands and Alterations to Shorelines and Watercourses regulation (Ontario Regulation 150/06).

The Conservation Authorities Act, s. 28 (1) (e) and Ontario Regulation 150/06, s. 10 allows the GRCA to appoint persons to act as officers with all of the powers and duties to enforce Ontario Regulation 150/06.

These staff members have over two years of work experience as Resource Planners and are responsible for violations of Section 28 of the Conservation Authorities Act in this role. They have both completed the Conservation Authority Compliance Training – Level 1 Foundations Course.

Based on their combined enforcement training and work experience, both of these staff members have met the requirements established by the Regulatory Compliance Committee of Conservation Ontario to be appointed as Provincial Offences Officers.

Financial Implications:

Not applicable.

Other Department Considerations:

Not applicable.

Prepared by:

Melissa Larion
Supervisor of Resource Planning

Approved by:

Nancy Davy
Director of Resource Planning

Grand River Conservation Authority

Report number: GM-08-21-54

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation

Recommendation:

THAT Report Number GM-08-21-54 – Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation be received as information.

Summary:

To provide the General Membership of the Grand River Conservation Authority with a quarterly summary of permits approved and issued by staff which conform to current Grand River Conservation Authority policies for the Administration of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation Ontario Regulation 150/06.

Report:

Permit Report April, May and June 2021

Municipality	Total
City of Brantford	18
City of Cambridge	22
City of Guelph	13
City of Hamilton	17
City of Kitchener	16
City of Waterloo	14
County of Brant	21
Haldimand County	26
Norfolk County	2
Town of Erin	11
Town of Grand Valley	5
Town of Milton	4
Township of Amaranth	4
Township of Blandford-Blenheim	8
Township of Centre Wellington	20
Township of East Garafraxa	6

Municipality	Total
Township of East Zorra-Tavistock	1
Township of Guelph/Eramosa	9
Township of Mapleton	25
Township of Melancthon	5
Township of North Dumfries	16
Township of Norwich	1
Township of Perth East	5
Township of Puslinch	27
Township of Southgate	1
Township of Wellesley	6
Township of Wellington North	3
Township of Wilmot	14
Township of Woolwich	20
Total Permits:	340

Financial Implications:

Not Applicable.

Other Department Considerations:

Not Applicable.

Prepared by:

Fred Natolochny
Supervisor of Resource Planning

Approved by:

Nancy Davy
Director of Resource Planning

Grand River Conservation Authority

Report number: GM-08-21-55

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Conservation Authorities Act, Section 28 Hearing Guidelines for applications under Ontario Regulation 150/06

Recommendation:

THAT the Grand River Conservation Authority adopt the Grand River Conservation Authority Hearing Guidelines: Conservation Authorities Act, Section 28,

AND THAT the Grand River Conservation Authority Hearing Guidelines 2011 be rescinded.

Summary:

The Grand River Conservation Authority (GRCA) Hearing Guideline was approved for use in September 2011. Conservation Ontario's Hearing Guidelines were recently updated to incorporate information for electronic/remote hearings and amendments to the Conservation Authorities Act have been enabled. In addition, housekeeping amendments to the GRCA Hearing Guidelines have been incorporated in the proposed Hearing Guideline, August 2021 (see attachment).

Report:

The GRCA is required under Section 28 (12), and 28.0.1 (7) (of the *Conservation Authorities Act* to provide a hearing to applicants who have applied for permission where staff are recommending that an application be refused, or where the applicant does not agree with conditions to the permit that staff are recommending. In addition, where staff are recommending that a permit be cancelled under Ontario Regulation 150/06 Section 8 (2) a hearing will be held to provide the applicant with the opportunity to show cause why the permit should not be cancelled. To ensure a fair, transparent and equitable hearing for the applicant, an established and published procedure is recommended in the 'Ministry of Natural Resources Policies and Procedures for Conservation Authorities'.

The attached proposed Hearing Guidelines were reviewed with the recently updated Conservation Ontario guidelines (2020) and are in conformance with the GRCA By-laws. The Hearing Guidelines generally include:

- Pre-hearing procedures – notice requirements, submission of reports, general information about the hearing process
- Hearing process and procedures – description of information that may be presented by staff and the applicant and the GRCA Board role in the hearing process
- Decision – adoption of resolution, notice of decision, and
- Record keeping requirements

The applicant is provided with full disclosure of the staff position prior to a hearing being scheduled. In addition, the applicant is provided with the opportunity to include a written submission to the Board that will be distributed as part of the agenda package. Following

the staff presentation, the applicant is provided an opportunity to present to the Board. At the conclusion of the hearing, the Board votes to provide the applicant with a decision. An appeal to the Ontario Land Tribunal may be initiated following the decision.

Housekeeping amendments have been included in the proposed Hearing Guidelines to identify electronic meetings may be conducted, incorporate recent provincial changes to the tribunal that will hear appeals related to Conservation Authority permissions i.e. the Ontario Land Tribunal was established on June 1, 2021, updates to applicable sections of the Conservation Authorities Act and Ontario Regulation 150/06, and formatting changes.

These Guidelines will be posted to the GRCA website following approval.

Financial Implications:

Not applicable

Other Department Considerations:

Not applicable

Prepared by:

Melissa Larion
Supervisor of Resource Planning

Fred Natolochny
Supervisor of Resource Planning

Approved by:

Nancy Davy
Director of Resource Management

Attachment: GM-08-21-55

**Grand River Conservation Authority
Hearing Guidelines
Conservation Authorities Act, Section 28,
Ontario Regulation 150/06**

August, 2021

Grand River Conservation Authority Hearing Guidelines, Conservation Authorities Act, Section 28, Ontario Regulation 150/06

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1.0 PURPOSE OF HEARING GUIDELINES:

The *Conservation Authorities Act* (Section 28), requires the applicant be party to a hearing by the local Conservation Authority Board, for an application to be refused or approved with contentious conditions. Further, where staff are recommending that a permit be cancelled under *Ontario Regulation 150/06* (Section 8) a hearing will be held to provide the applicant with the opportunity to show cause why the permit should not be cancelled. *Ontario Regulation 150/06* allows the Conservation Authority to restrict or refuse development in areas where the control of flooding, erosion, dynamic beaches, pollution or the conservation of land may be affected by development in order to prevent the creation of new hazards or the aggravation of existing ones.

The Board is empowered by law to make a decision, governed by the *Statutory Powers Procedures Act*. The Conservation Authority Board will conduct a proceeding by tribunal for these applications. The Board will evaluate the information presented at the hearing by both the Conservation Authority staff and the applicant and decide if the application will be approved with or without conditions, refused or cancelled.

The *Conservation Authorities Act* Section 1 defines Minister as: ““Minister” means the Minister of the Environment, Conservation and Parks or such other member of the Executive Council as may be assigned the administration of this Act under the *Executive Council Act*”. Order(s) in Council (OIC) define the Minister responsible for Section 28. As of August 2021, OIC 1158/2018 identifies the Minister responsible for Section 28 as the Minister of Natural Resources and Forestry.

2.0 PREHEARING PROCEDURES

2.1 Fair Hearing/Apprehension of Bias

In considering the application, the Board is acting as a decision-making tribunal. The tribunal is to act fairly. Under general principles of administrative law relating to the duty of fairness, the tribunal is obliged not only to avoid any bias but also to avoid the appearance or reasonable apprehension of bias. The following are three examples of steps to be taken to avoid a reasonable apprehension of bias where it is likely to arise:

- (a) No member of the Authority taking part in the hearing should be involved, either through participation in committee or intervention on behalf of the applicant or other interested parties with the matter, prior to the hearing. Otherwise, there is a danger of a reasonable apprehension of bias which could jeopardize the hearing.
- (b) If material relating to the merits of an application that is the subject of a hearing is distributed to Board members before the hearing, the material shall be distributed to the applicant at the same time. The applicant may be afforded an opportunity to distribute similar pre-hearing material. These materials can be distributed electronically.

Note: for electronic hearings the Notice must also contain a statement that the applicant should notify the Authority if they believe holding the hearing electronically is likely to cause them significant prejudice. The Authority shall assume the applicant has no objection to the electronic hearing if no such notification is received.

- (c) In instances where the Authority requires a hearing to help it reach a determination as to whether to give permission with or without conditions, refuse a permit application or cancel a permit, a final decision shall not be made until such time as a hearing is held. The applicant will be given an opportunity to attend the hearing before a decision is made, however, the applicant does not have to be present for a decision to be made.
- (d) A hearing may be conducted in person or electronically in conformance with the general meeting provisions of the GRCA By-law.

2.2 Application

The right to a hearing is required where staff is recommending refusal of an application, cancellation of a permit or where there is some indication that the Authority may not follow staff's recommendation to approve a permit or the applicant objects to the conditions of approval. The applicant is entitled to reasonable notice of the hearing pursuant to the *Statutory Powers Procedures Act*.

2.3 Notice of Hearing

The Notice of Hearing shall be sent to the applicant a minimum of 30 calendar days prior to the hearing to allow the applicant to prepare for the hearing. To ensure that reasonable notice is given, prior to sending the Notice of Hearing, the applicant will be consulted to determine an agreeable date and time based on the Conservation Authority's regular meeting schedule.

The Notice of Hearing must contain the following:

- (a) Reference to the applicable legislation under which the hearing is to be held (i.e., the *Conservation Authorities Act*).
- (b) The time, place, purpose and details about the manner in which the hearing will be held.
- (c) Particulars to identify the applicant, property and the nature of the application which are the subject of the hearing.

Note: If the applicant is not the landowner but the prospective owner, the applicant must have written authorization from the registered landowner to submit a permit application and to act on behalf of the landowner at a hearing

- (d) The reasons for the proposed refusal or conditions of approval shall be specifically stated. The reasons in the staff report to the Board will contain sufficient detail to enable the applicant to understand the issues so he or she can be adequately prepared for the hearing.

It is sufficient to reference in the Notice of Hearing that the recommendation for refusal, cancellation or conditions of approval is based on the reasons outlined in previous correspondence or a hearing report.

- (e) A statement notifying the applicant that the hearing may proceed in the applicant's absence and that the applicant will not be entitled to any further notice of the proceedings.

Except in exceptional circumstances, it is recommended that the hearing not proceed in the absence of the applicant.

- (f) Reminder that the applicant is entitled to be represented at the hearing by counsel or agent, if desired.

It is recommended that the Notice of Hearing be directed to the applicant and/or landowner by registered mail or hand delivered. Please refer to **Appendix A** for an example Notice of Hearing.

2.4 Presubmission of Reports

The applicant shall be given two weeks to prepare a report once the reasons for the staff recommendations have been received. The applicant's report will accompany the staff hearing report provided with the agenda to the Members. Subsequently, this may affect the timing and scheduling of the staff hearing reports.

2.5 Hearing Information

Prior to the hearing, the applicant shall be advised of the Grand River Conservation Authority's hearing procedures.

3.0 HEARING

3.1 Public Hearing

Pursuant to the *Statutory Powers Procedure Act*, hearings including electronic hearings, are required to be held in public. For electronic hearings, public attendance should be synchronous with the hearing. The exception is in very rare cases where public interest in public hearings is outweighed by the fact that confidential financial, personal, legal or other matters would be disclosed at hearings.¹

3.2 Public Participation

The *Conservation Authorities Act* does not provide for third party status at the hearing. While others may be advised of the hearing, any information that they provide should be incorporated within the presentation of information by, or on behalf of, the applicant or Authority staff. The General Membership Board meeting is open to the public and as such members of the public may address the Board as a delegation at the beginning of the meeting, in accordance with the Conservation Authority By-Laws

3.3 Attendance of Board Members

In accordance with case law relating to the conduct of hearings, those members of the Authority who will decide whether to grant or refuse the application or cancel the permit in tribunal must be present during the full course of the hearing. If it is necessary for a member to leave, the hearing may be adjourned and resumed when the member returns. If the hearing proceeds, only those members who were present throughout the entire hearing can participate in the remaining portion of the hearing and the decision. In the event of an adjournment, only those members who attended the entire hearing may participate in the discussion and decision on the hearing when it is reconvened.

¹ A closed meeting, or portion of a meeting, may be convened for an item deemed appropriate for a closed meeting in accordance with the Grand River Conservation Authority By-Laws

3.4 Adjournments

The Board may adjourn a hearing on its own motion or that of the applicant or Authority staff where it is satisfied that an adjournment is necessary for an adequate hearing to be held.

Any adjournments form part of the hearing record.

3.5 Orders and Directions

The Authority is entitled to make orders or directions to maintain order and prevent the abuse of its hearing processes. A hearing procedures example has been included as **Appendix B**.

3.6 Information Presented at Hearings

- (a) The *Statutory Powers Procedure Act*, requires that a witness be informed of his right to object pursuant to the *Canada Evidence Act*. The *Canada Evidence Act* indicates that a witness shall be excused from answering questions on the basis that the answer may be incriminating. Further, answers provided during the hearing are not admissible against the witness in any criminal trial or proceeding. This information should be provided to the applicant as part of the Notice of Hearing.
- (b) It is not a requirement to provide information under oath or by affirmation.
- (c) The Board may authorize receiving a copy rather than the original document. However, the Board can request certified copies of the document if required.
- (d) Privileged information, such as solicitor/client correspondence, cannot be heard. Information that is not directly within the knowledge of the speaker (hearsay), if relevant to the issues of the hearing, can be heard.
- (e) The Board may take into account matters of common knowledge such as geographic or historic facts, times, measures, weights, etc. or generally recognized scientific or technical facts, information or opinions within its specialized knowledge without hearing specific information to establish their truth.
- (f) New information should not be presented at the hearing by the applicant or staff.

3.7 Conduct of Hearing

3.7.1 Record of Attending Board Members

A record shall be made of the members present at the hearing.

3.7.2 Opening Remarks

The Chair of the Authority shall convene the hearing with opening remarks which generally; identify the applicant, the nature of the application, and the property location; outline the hearing procedures; and advise on requirements of the *Canada Evidence Act*. Please reference **Appendix C** for the Opening Remarks model. In an electronic hearing, all the parties and the members of the Hearing Board must be able to clearly hear one another and any witnesses throughout the hearing.

3.7.3 Presentation of Authority Staff Information

Staff of the Authority presents the reasons supporting the recommendation for the refusal or conditions of approval of the application. Any reports, documents or plans that form part of the presentation shall be properly indexed and received.

Staff of the Authority should not submit new information at the hearing as the applicant will not have had time to review and provide a professional opinion to the Board.

A Supervisor of Resource Planning will coordinate the presentation of information on behalf of Authority staff and will respond to questions on behalf of Authority staff. GRCA legal counsel or technical staff may also be requested to respond to questions.

3.7.4 Presentation of Applicant Information

The applicant has the opportunity to present information at the conclusion of the Authority staff presentation. Any reports, documents or plans which form part of the submission should be properly indexed and received.

The applicant shall present information as it applies to the permit application in question. The hearing does not address the merits of the activity or appropriateness of such a use in terms of planning.

- The applicant may be represented by legal counsel or agent, if desired
- The applicant may present information to the Board and/or have invited advisors to present information to the Board
- The applicant's presentation may include technical witnesses, such as an engineer, ecologist, etc.
- The applicant and/or agent can make any comments or questions on the staff report.

The applicant should not submit new information at the hearing as the Staff of the Authority will not have had time to review and provide a professional opinion to the Board.

3.7.5 Questions

Members of the Board may direct questions to each speaker as the information is being heard.

Pursuant to the *Statutory Powers Procedure Act*, the Board can limit questioning where it is satisfied that there has been full and fair disclosure of the facts presented. Please note that the courts have been particularly sensitive to the issue of limiting questions and there is a tendency to allow limiting of questions only where it has clearly gone beyond reasonable or proper bounds.

3.7.6 Deliberation

After all the information is presented, the Board members should debate and vote on the permit in open session to provide a timely and transparent decision. The Board may adjourn the hearing. If adjourned, the Board members shall not discuss the hearing with others prior to the decision of the Board being finalized. Closed meetings may be held as noted in footnote ¹

4.0. DECISION

The applicant must receive written notice of the decision. The applicant shall be informed of the right to appeal the decision to the Minister/Ontario Land Tribunal. Timelines related to the right to appeal are included in the Conservation Authorities Act (Sections 28 and 28.0.1)

It is important that the hearing participants have a clear understanding of why the application was refused or approved or why the permit was cancelled. The Board shall itemize and record information of particular significance which led to their decision.

4.1 Adoption

A resolution advising of the Board's decision and particulars of the decision should be adopted.

4.2 Notice of Decision

The decision notice should include the following information:

- (a) The identification of the applicant, property and the nature of the application that was the subject of the hearing.
- (b) The decision to refuse or approve the application and any applicable conditions or cancel the permit. A copy of the Board resolution should be attached.
- (c) A description of the appeal process with timelines and contact information,

It is recommended that the written Notice of Decision be forwarded to the applicant by registered mail. A sample Notice of Decision and cover letter has been included as **Appendix D**.

5.0 RECORD

The Authority shall compile a record of the hearing. In the event of an appeal, a copy of the record should be forwarded to the Minister/Ontario Land Tribunal. The record must include the following:

- (a) The application for the permit.
- (b) The Notice of Hearing.
- (c) Any orders made by the Board (e.g., for adjournments).
- (d) All information received by the Board.
- (e) The minutes of the meeting made at the hearing.
- (f) The decision and reasons for decision of the Board.
- (g) The Notice of Decision sent to the applicant.

Appendix A

REGISTERED MAIL

Month XX, 20XX

Applicant Name
Applicant address

Dear Applicant:

Re: Notice of Hearing: Application for Permission (#XXX/XX) Pursuant to Ontario Regulation 150/06 Proposed construction of a residential addition at XX YYYY Drive, Municipality

This will advise you that your application will be heard by the General Membership of the Grand River Conservation Authority according to Section 28/28.0.1 of the Conservation Authorities Act 1990 as amended/Ontario Regulation 150/06 (Section 8). The corresponding Ontario Regulation is Number 150/06, Grand River Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses.

Enclosed are the following:

- i. an undertaking to be signed and returned. The signed undertaking will confirm your intent to proceed with a hearing;
- ii. the written report prepared for presentation to the General Membership of the Grand River Conservation Authority;
- iii. Introduction for Hearings Under Section 28/28.01 Conservation Authorities Act/Ontario Regulation 150/06;
- iv. a notice of your Rights as a Witness With Regard to Evidence;
- v. Hearing Guidelines and Procedures for Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses Regulation applications at the Grand River Conservation Authority.

The enclosed written report will be provided to the General Membership prior to the hearing. If you wish to submit a brief report for distribution to the tribunal, please return the report to the attention of the Supervisor of Resource Planning at this office two weeks before the scheduled hearing. If you believe that holding the hearing electronically is likely to cause significant prejudice, please contact the Supervisor of Resource Planning.

This hearing is governed by the provisions of the Statutory Powers Procedure Act. Under the Act, a witness is automatically afforded a protection that is similar to the protection of the Ontario Evidence Act. This means that the evidence that a witness gives may not be used in subsequent civil proceedings or in prosecutions against the witness under a Provincial Statute. It does not relieve the witness of the obligation of this oath since matters of perjury are not affected by the automatic affording of the protection. The significance is that the legislation is Provincial and cannot affect Federal matters. If a witness requires the protection of the Canada Evidence Act that protection must be obtained in the usual manner. The Ontario Statute requires the tribunal to

draw this matter to the attention of the witness, as this tribunal has no knowledge of the affect of any evidence that a witness may give.

If you do not attend at this Hearing, the General Membership of the Conservation Authority may proceed in your absence, and you will not be entitled to any further notice in the proceedings.

The hearing will be held on XX (Day) XX (Month), 20XX at XX a.m. in the Administration Building, 400 Clyde Road, Cambridge, Ontario/by electronic meeting.

If you cannot appear on (insert date), the Conservation Authority will only reschedule the hearing when you indicate an appropriate time more convenient to you.

Yours truly,

Samantha Lawson
Chief Administrative Officer,
Grand River Conservation Authority.

Encls.

c.c. Clerk, Municipality
Building Inspector, Municipality
Agent

Appendix B

HEARING PROCEDURES

1. The Conservation Authority Board will pass a motion to conduct a proceeding by tribunal for a hearing under Ontario Regulation 150/06 (as amended).
2. Roll Call followed by the Chair's opening remarks. For electronic hearings, the Chairperson shall ensure that all parties and the Hearing Board are able to clearly hear one another and any witnesses throughout the hearing.
3. The Chair will request members of the tribunal declare any prior participation in the matter before the tribunal, either through participation in committee or intervention on behalf of the applicant or other interested parties.
4. Staff will introduce the applicant/owner and his/her agent(s) to the Board.
5. Staff will indicate the nature and location of the subject application and the conclusions.
6. Staff will present the staff report included in the Conservation Authority agenda package.
7. The applicant and/or his/her agent may speak and may also make comments on the staff report.
8. The Board will question, if necessary, both the staff and the applicant/agent.
9. Members of the Board will move and second a motion.
10. A motion will be carried which will culminate in the decision.
11. The Chair will advise the owner/applicant of the Board decision (with confirmation of the decision to follow in writing).
12. The Chair shall notify the owner/applicant of their right to appeal the decision to the Minister /Ontario Land Tribunal.
13. Motion to conclude the hearing and rise from tribunal to return to the General Membership meeting of the Conservation Authority Board.

Appendix C

CHAIR'S REMARKS WHEN DEALING WITH HEARINGS WITH RESPECT TO THE CONSERVATION AUTHORITIES ACT/ONTARIO REGULATION 150/06 (as amended)

We are now going in tribunal to conduct a hearing under section 28/28.0.1 of the *Conservation Authorities Act/Ontario Regulation 150/06* in respect of an application by _____; for permission to: _____

The Authority has adopted Regulations under Section 28 of the *Conservation Authorities Act* which require the permission of the Authority for development within an area regulated by the Authority, alteration to a shoreline or watercourse or interference with a wetland. The Authority will assess the permit application to ensure there is no adverse affect on the control of flooding, erosion, dynamic beaches or pollution or conservation of land or to permit alteration to a shoreline or watercourse or interference with a wetland.

Staff has reviewed this proposed work and a copy of the staff report has been given to the applicant. The applicant was invited to file material in response to the staff report, a copy of which has also been provided to the Board.

The *Conservation Authorities Act* (Section 28 /28.0.1)/Ontario Regulation 150/06 provides that:

Insert applicable subsection: e.g. S.28 (12) "Permission required under a regulation made under clause (1) (b) or (c) shall not be refused or granted subject to conditions unless the person requesting permission has been given the opportunity to require a hearing before the authority or, if the authority so directs, before the authority's executive committee."

In holding this hearing, the Authority Board is to determine whether or not a permit is to be _____ (issued / cancelled). In doing so, we can only consider the application in the form that is before us, the staff report, such evidence as may be given and the submissions to be made on behalf of the applicant. Only Information disclosed prior to the hearing is to be presented at the hearing.

The hearing is a proceeding by tribunal and will be conducted according to the *Statutory Powers Procedure Act*. Under Section 5 of the *Canada Evidence Act*, a witness may refuse to answer any question on the ground that the answer may tend to criminate the person, or may tend to establish their liability to a civil proceeding at the instance of the Crown or of any person.

If the applicant has any questions to ask of the Board or of the Authority representative, they must be directed to the Chair of the Board.

Members of the tribunal are asked to declare any prior participation in the matter before the tribunal, either through participation in committee or intervention on behalf of the applicant or other interested parties that will exclude them from the proceedings

Appendix D

(date)

BY REGISTERED MAIL

(name)

(address)

Dear:

RE: NOTICE OF DECISION

Hearing Pursuant to Section 28 (XX)/28.0.1 (XX) of the *Conservation Authorities Act/Ontario Regulation 150/06 (XX)*

Applicant Name

Proposed Residential Development

XX Drive, Municipality

(Application #)

In accordance with the requirements of the *Conservation Authorities Act*, the Grand River Conservation Authority provides the following Notice of Decision:

On (**meeting date**), the Authority refused/approved your application/approved your application with conditions/cancelled your permission. A copy the Board's resolution # has been attached for your records. Please note that this decision is based on the following reasons: (insert reasons in the staff report and resolution)

In accordance with Section 28 (XX)/Section 28.0.1 (XX) of the *Conservation Authorities Act/Ontario Regulation 150/06* an applicant who has been refused permission/ who objects to conditions imposed on a permission/cancellation of a permit may, within XX days of receiving the reasons under subsection (XX), appeal to the Minister who may refuse the permission; or grant permission, with or without conditions/appeal to the Ontario Land Tribunal. For your information, should you wish to exercise your right to appeal the decision, a letter by you or your agent/counsel setting out your appeal must be sent within XX days of receiving this decision addressed to:

The Honourable XX Minister of XX
Queen's Park, Whitney Block
99 Wellesley Street West,
Toronto, Ontario M7A 1W3

Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario M5G 1E5

Additional information is available at the Ontario Lands Tribunal website [here](#).

Should you require any further information, please do not hesitate to contact the Supervisor of Resource Planning or the undersigned.

Yours truly,

Chief Administrative Officer

Enclosure

Grand River Conservation Authority

Report number: GM-08-21-56

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Speed River Weir Rehabilitation Contract Award – Bronte Construction

Recommendation:

THAT the Grand River Conservation Authority accept the bid from Bronte Construction (2220742 Ontario Ltd.) to carry out the Speed River Weir Rehabilitation at a cost of \$218,400 (excluding HST);

AND that an overall project of \$240,240 (excluding HST) be approved for this project;

AND that the gauge reserve be used to fund costs in excess of the grant received from the Province.

Summary:

A construction project for rehabilitation of the Speed River Weir downstream of Edinburgh Road in Guelph was publicly advertised on Biddingo. One tender was received. It is recommended that the bid for the work received from Bronte Construction be awarded to perform the work. The work will be cost shared with a grant up to \$200,000 received from the Province (NDMNRF). The remaining cost for this project will be funded from the gauge station reserve.

Report:

The Speed River weir is a 0.8m high water level control weir located just downstream of Edinburgh Road in Guelph. The weir provides a stable river cross-section and water level to provide for reliable river flow gauging for the Edinburgh River gauging station. This station is an important installation owned by the GRCA and operated under the “Canada-Ontario Agreement on Hydrometric Monitoring”. This monitoring site is business critical because it provides data that supports a variety of activities including flood early warning, reservoir operations and public safety in the communities of Guelph and Cambridge, compliance monitoring, and water quality monitoring. The station is tied into the City of Guelph’s Permit to Take Water for their municipal intake on the Eramosa River. A certain amount of flow is required at this gauge or the GRCA gauge further downstream for the City to take water under their permit.

This gauge station is critical to the operation of Guelph Dam to ensure compliance with low flow objectives in the Speed River through the City of Guelph. During the summer months, Guelph Dam is operated to maintain a minimum flow of 1.7 m³/s from June through September and 1.1 m³/s during other months of the year at this gauge station.

The weirs on the Speed River were constructed in conjunction with channel works on the Speed River dating back to the late 1950’s. Current deterioration of the weir affecting its function is due to seepage through voids under the weir and through the flashboards which results in an unstable rating curve for operation of the river gauge. Further deterioration of the weir will also result in a public safety concern for river users in the area.

Concerns regarding station reliability were discussed under Canada-Ontario Agreement resulting in advancing the repair project and accompanying funding in 2021. Under this agreement the GRCA as owner would carry out repairs to the weir with funding up to \$200k

provided by the Province. GRCA would be responsible for costs over \$200k resulting in an acceptable cost sharing for the repair.

A repair design and tender package was completed by Sanchez Engineering. The project was initially tendered in May 2021 and included non-critical concrete repairs which would have required extended dewatering of the site to carry out the repairs. No bids were received with this initial tender. The project was redesigned to eliminate the concrete repairs and focused on pressure grouting of voids through the base slab of the weir to address the seepage issue.

The project tender was publicly advertised on the GRCA website along with the Biddingo government contract web service in July with the sole bid being received from Bronte Construction in the amount of \$246,792 (including HST), \$218,400 (excluding of HST).

The bid opening was carried out via Team video conference by Gus Rungis, Senior Engineer and Sonja Radoja, Manager of Corporate Services both attending virtually and was reviewed and found to be complete.

Table 1 Project Budget

Project Description	Cost
Tendered Price (excluding HST)	\$218,400
Contingency (10% of bid price excluding HST)	\$ 21,840
Total Project Budget (excluding of HST)	\$240,240

Financial Implications:

Repairs to the weir were discussed under Canada-Ontario Agreement resulting in advancing the repair project and accompanying funding in 2021. Under this agreement the GRCA as owner would carry out repairs to the weir with funding up to \$200k provided by the Province. GRCA would be responsible for costs over \$200k resulting in an acceptable cost sharing for the repair and funded through the gauge station reserve.

Other Department Considerations:

Not applicable

Prepared by:

Gus Rungis, P.Eng.
Senior Engineer

Approved by:

Dwight Boyd, P.Eng.
Director of Engineering

Grand River Conservation Authority

Report number: GM-08-21-57

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Bridgeport Dike Rehabilitation and Capacity EA Contract Award – KGS Group

Recommendation:

THAT the Grand River Conservation Authority accept the bid from KGS Group to carry out the Bridgeport Dike Rehabilitation and Capacity Improvement environmental assessment at a cost of \$247,230 (excluding HST);

AND THAT an overall project budget of \$275,000 (excluding HST) be approved for the project.

Summary:

GRCA has partnered with the City of Kitchener in a federal Disaster Mitigation and Adaptation Fund (DMAF) grant program to carry out repairs and capacity improvements to the Bridgeport Dike. This EA study is the first step in completing the dike improvements.

Report:

The Bridgeport dike is an earthen berm structure about 1.5km in length which protects the settlement area of Bridgeport within the City of Kitchener. The dike was rebuilt in about 1980 following the 1974 flood. The dike ranges in height up to 5m and protects approximately 100 residential, 24 industrial and 3 institutional buildings. GRCA has taken on maintenance obligations for the flood control works in an agreement with the City dating back to 1981.

From 2012 to 2014, the GRCA undertook a functional review of the dike system to review the condition of the dike and ensure it was meeting current performance standards. The review was carried out by AECOM on behalf of the GRCA and identified maintenance and capacity needs. Short term projects have included vegetation clearing of the dike and removal of animal burrows. Longer term deficiencies identified dealing with seepage and stability of the dike during flood condition and increasing the capacity of the dike system to protect against 100 year and Regional Storm flooding.

The GRCA has partnered with the City of Kitchener in a joint funding application to the federal DMAF program to carry out physical works to address the dike deficiencies. Application to the program was made in 2018 with final agreements signed early this year. The application identified a \$5M budget with the Federal contribution being 40%. The GRCA is responsible for the remaining 60% of the budget through water structures reserve funds and matching funding as available through the provincial WECl program. The federal grant is a multi year program which is completed in 2028 and has been included in GRCA annual budget forecasts.

Steps towards completion of the project include completion of a Class EA including conceptual alternatives and extensive consultation, design work for the selected alternatives, and construction works. This EA study is the first step in the repair work. An RFP (Request for Proposals) for the project was developed by the GRCA in consultation with the City of Kitchener. Major components to be completed through the study include:

- Review and Summarize background information,
- Advance technical analysis regarding geotechnical dike performance in flood condition

- Refine hydraulic analysis of Grand River flooding especially in consideration of the Bridge Street bridge crossing,
- Quantify flood damages
- Develop alternatives to address issues
- Public and Stakeholder consultation
- Preliminary design and costing of recommended alternatives.

The RFP was publicly advertised and posted on Biddingo public bidding service. A total of 4 proposals were received through the posting.

GRCA purchasing policy requires proposals to be evaluated by an evaluation committee consisting of senior GRCA staff and Project Manager. Proposal evaluation committee consisted of: Dwight Boyd, Director of Engineering, Gus Rungis, Senior Engineer and Project Manager, Kaitlyn Lynch, Engineer, and Nick Gollan, DMAF Project Lead City of Kitchener.

Proposals are evaluated in accordance with weighted criteria as stated in the RFP including: Project Team Qualifications, Project understanding and Approach, Schedule and Work Plan, and Cost and Value. The ranked order of the evaluation and proposal costs (pre HST) are identified as follows:

1. KGS group - \$247,230
2. Ecosystem Recovery Inc. - \$178,775
3. Morrison Hershfield - \$314,701
4. AECOM - \$257,816

The KGS group 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:

- Relevant recent similar projects carried out under the Conservation Authorities Environmental Assessment process,
- Project team with considerable local and national experience on project aspects
- Strong, well considered proposal which included excellent detail and insight into project approach and methodology
- Proposal detail regarding development of repair alternatives to allow transfer to future
- Thorough identification of project risks and issues
- Geotechnical and field investigation to augment and refine existing information
- Strong project management capability demonstrated on past GRCA and other CA projects
- Costs met project budget and includes managed balance of senior staff
- Demonstrated ability to work with GRCA staff

While all four firms are qualified and capable to carry out the work, the selection made by the committee represents its opinion at the current time for the recommended consultant providing the best overall value and approach to the project and ability to carry out the work.

The overall budget for the project is recommended to include consultant fees plus 10% contingency of \$25,000 to be applied for potential additional work such as meetings, analysis and alternatives as may arise through the study process.

Financial Implications:

The project is being carried out under funding from federal DMAF program. The application identified a \$5M budget with the Federal contribution being 40%. The GRCA would be responsible for the remaining 60% of the budget through water structures reserve funds and matching funding as available through the provincial WECl program. The federal grant is a

multi year program is included in GRCA annual budget forecasts. The provincial WECl program funding is from year to year. WECl funding has been approved for EA work completed between April 1, 2021 and March 31, 2022. A future funding application will be made to the provincial WECl program for funding for the April 1, 2022 to March 31, 2023 fiscal year.

Other Department Considerations:

Not applicable

Prepared by:

Gus Rungis, P.Eng.
Senior Engineer

Approved by:

Dwight Boyd, P.Eng.
Director of Engineering

Grand River Conservation Authority

Report number: GM-08-21-61

Date: August 27, 2021

To: Members of the Grand River Conservation Authority

Subject: Current Watershed Conditions as of August 17, 2021

Recommendation:

THAT Report Number GM-08-21-61 – Current Watershed Conditions as of August 17, 2021 be received as information.

Summary:

Summer has been variable across the watershed. June was hot, started out dry and ended quite wet. Wet conditions continued into July with cooler air temperatures across the watershed. August precipitation to date has been more variable and temperatures are above the long term average. The seasonal forecast from Environment Canada is for above normal temperatures and below normal precipitation to continue into the fall months.

Groundwater levels have increased in some areas due to the high precipitation in June/July, but are still well below normal in many areas. Although most of the watershed has close to normal precipitation, the watershed remains in a Level 1 low water condition due to the dry spring resulting in lower summer base flows in many watercourses. Lake Erie continues to be high, but is well below the levels recorded at this time last year.

The Conestogo and Shand reservoir water levels stabilized with the increase in precipitation in July and are now near their normal operating level. The Guelph reservoir is low for this time of the year, while the Luther reservoir has also stabilized with increase rainfall. Water levels in all of the large reservoirs are decreasing and are being used to augment flows in the rivers downstream to maintain low flow targets. Up to 80% of the water in the Grand River through Kitchener is from water stored in the reservoirs. On the Speed River, approximately 70% of the flow downstream of Guelph is from discharges from Guelph Dam.

Report:

Precipitation

July was a fairly wet month across the watershed with all climate stations reporting 95% or greater rainfall compared to the long term average. June was also a wet month and the combined rainfall over the late June and July period helped the watershed recover from the dry conditions in the spring months.

The first half of August has been variable with some areas near or above the long term average for rainfall, while others are quite dry. Table 1 gives the total monthly precipitation up to August 17 along with the long term average for half of the month and percentage of the long term average at various climate stations throughout the watershed. Rainfall is mostly from convective storms which results in highly localized rainfall and variability across the watershed. The result is that some areas have above average rainfall for the first half of the month, while other areas are well below the average.

Table 1: Current monthly precipitation for climate stations across the watershed up to August 17, 2021 including the long term average precipitation for half of August.

Climate Station	Current Month Precipitation (mm)	Long Term Average Precipitation (mm)	Percentage of Long Term Average (%)
Shand	46.0	42.9	107%
Conestogo	27.6	44.1	63%
Guelph	11.8	39.1	30%
Luther	50.6	43.7	116%
Woolwich	12.8	37.8	34%
Laurel	31.2	38.8	80%
Shades	48.7	37.0	131%
Brantford	10.9	34.0	32%

Dry conditions this past spring can be seen when reviewing long term precipitation trends given in Table 2. Over the last month, July, most of the watershed recorded near normal rainfall, but over the past 3 and 6 months many of the climate stations record much lower than normal rainfall. The climate station at Woolwich dam recorded only 75% of the long term average over the past 6 months. Environment Canada is predicting that precipitation will stay below normal into the early fall months.

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	100%	84%	82%	101%	99%
Conestogo	98%	92%	85%	94%	92%
Guelph	151%	120%	109%	108%	106%
Luther	124%	89%	91%	108%	104%
Woolwich	100%	76%	75%	89%	95%
Laurel	102%	92%	90%	92%	97%
Shades	97%	99%	95%	94%	102%
Brantford	95%	89%	93%	99%	102%

Air Temperatures

After a hot June, July was a cool month. The average air temperature was about half a degree below the long term average for the month of July. In June, the average air temperature was approximately two degrees above the long term average. Most of the watershed had a higher average temperature in June than in July.

The first half of August was hotter than July. At the Shand Dam climate station, the average temperature over the first 2 weeks of August was approximately 20.2 degrees or 0.6 degrees above normal. As shown in Figure 2, air temperature trends have followed an alternating pattern of higher than normal and lower than normal months. January, March, April, June and August

have been above normal, while February, May and July have had below normal temperatures. Environment Canada is predicting that air temperatures will be above normal into October.

Groundwater

Groundwater levels in the Provincial Groundwater Monitoring Network and GRCA monitoring wells across the watershed were analyzed to the end of July and are shown in Figure 3.

Monitored groundwater levels remain well below normal in many areas of the watershed, although some sites have shown an increase resulting from high precipitation in June and July. The wells showing elevated levels, in the north and east parts of the watershed, are located in fractured bedrock with little soil cover. These wells tend to react quickly after rainfall as the water can easily infiltrate into the groundwater system. Other shallow wells that monitor highly porous materials such as sand or gravel have also seen an increase in water levels from recent precipitation, such as the wells near Whitemans Creek. Although a few wells are showing higher conditions than in the spring, most wells are showing groundwater levels much lower than normal for the summer season, especially through the central part of the watershed. The groundwater levels within these wells responds more slowly to increases in precipitation as it takes rainwater longer to reach the water table in these areas. For some of these wells it could take a prolonged period of increased precipitation to return water levels to their normal range.

Lake Erie Water Levels

During July, the average lake level was approximately 0.45m above the long-term average, which was approximately 0.3m below the same month in 2020. In the first half of August, the average lake level was approximately 174.79m which is about 0.5m above the long-term average.

The long range forecast for Lake Erie is for the lake level to decrease through to the end of the year. Lake levels are expected to stay below levels over the same period last year and may start to trend towards the long term average.

Reservoir Conditions

The Conestogo and Shand reservoirs have recovered from dry conditions in the spring and are near their normal operating levels for this time of the year. The Guelph and Woolwich reservoirs are near or below their normal operating levels, while the Luther reservoir has remained stable due to higher rainfall and is now at its normal operative level. Year to date reservoir levels, including the current conditions just described, and along with the operating rule curves are shown in Figures 4 and 5 for the four largest reservoirs.

Discharges from the large reservoirs are being used to augment flows in the rivers downstream of the reservoirs. Augmentation was a bit lower in July than June due to the consistent rain events, although augmentation rates have been fairly stable since mid-July. As of August 16th, approximately 80% of the water in the Grand River through Kitchener and 40% of the water in the Grand River through Brantford was from water stored in the reservoirs. On the Speed River approximately 70% of the water below Guelph is from water stored in the reservoirs. These augmentation levels are fairly high and would have been higher if not for the more regular rainfall over the month of July and early August.

Water Quality Conditions

The following provides a summary of continuous water quality data collected by GRCA through a network of nine stations located at strategic points along the Grand and Speed River. This summary is based on data collected between the 1st of May and the 15th of August 2021.

Figures 6 and 7 show the daily minimum dissolved oxygen levels at the continuous monitoring stations on the Grand and Speed Rivers. The Provincial Water Quality Objective to support warm water fisheries is to have more than 4 mg/L of dissolved oxygen when water temperature exceeds 20°C. Warm weather, starting in mid-May, results in significant aquatic plant growth and decreasing overnight oxygen levels. There was a temporary increase in dissolved oxygen for a few days at the end of May as a result of higher flows due to rainfall. Oxygen concentrations declined as flows receded and water temperatures increased in early June. Despite hot weather and little runoff in July and the first two weeks of August, almost all sites have managed to meet the Provincial Objective and maintain dissolved oxygen levels above 4 mg/L. The exception to this was the York water quality station in Haldimand County where overnight dissolved oxygen levels dropped just below 4 mg/L for two consecutive days in early June. This is evidence that the river has become more resilient than it was in previous years when dissolved oxygen levels were frequently below 4 mg/L at multiple water quality stations.

A presumed cyanobacteria bloom (blue-green algae bloom) was reported at Woolwich reservoir on August 5th. Internal protocols for response to cyanobacteria blooms were followed. Signage was posted at Woolwich reservoir and samples were collected by MECP for analysis. MECP confirmed this bloom was, in fact, a cyanobacteria bloom on August 9th and the presence of elevated levels of cyanobacterial toxins were reported on August 16th. At present, cyanobacteria blooms have not been reported at other GRCA reservoirs.

Low Water Response

The Grand River Low Water Response Team met on August 5th to discuss changes to the low water conditions due to increased rain since the Level one condition was declared on June 4th. Although late June and most of July saw higher than normal rainfall, natural base flows were still lower than normal due to the dry spring and stream flows dropped back into low water conditions after only a few days without precipitation. The Low Water Response Team decided to keep the entire watershed in a Level 1 low water condition until at least the end of August and to issue a new press release explaining conditions and reminder water users to reduce water use by 10%.

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

Conditions are being monitored closely. Staff continue to hold weekly meetings as part of overall succession planning initiatives, dam operations and flood emergency preparedness.

The provincial flood forecasting and warning committee has organized a webinars on September 22nd, October 6th, October 20th and November 17th. Each webinar is two hours and length, content delivered in the webinars covers a range of topic related to flood forecasting and warning. The webinar series replaces the two day in person annual flood forecasting and warning workshop held annually prior to the Covid-19 pandemic. Staff from GRCA help organize the webinar series along with other members on the provincial committee.

A meeting will be organized for early December with municipal flood coordinators to update contact information and introduce new municipal flood coordinators, agency staff and GRCA staff to the GRCA flood warning system. The December meeting is an important preparedness meeting to help ensure contact information is up to date and partners in the system understand their roles prior to the winter flood season.

Some new engineers are being integrated into the flood management team at GRCA over the fall as part of succession planning.

Financial Implications:

Not applicable

Other Department Considerations:

Not applicable

Prepared by:

Stephanie Shifflett, P. Eng.
Water Resources Engineer

Approved by:

Dwight Boyd, P. Eng.
Director of Engineering

Figures:

Figure 1: Shand Dam Monthly Precipitation 2017 to August 17, 2021

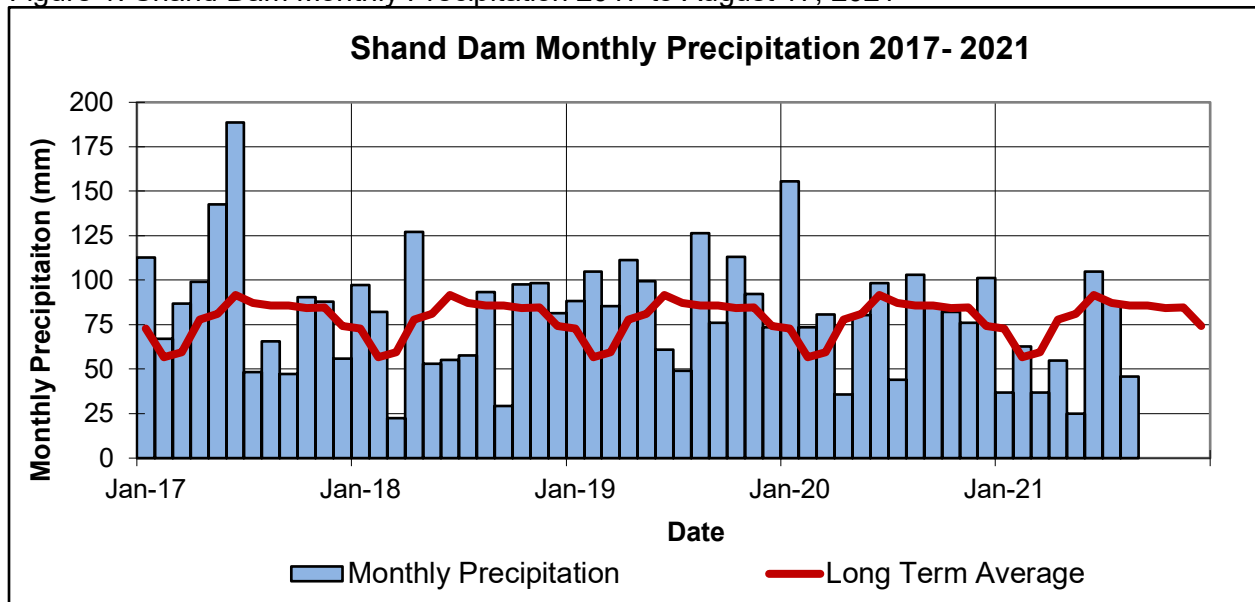


Figure 2: Monthly Average Air Temperatures at Shand Dam from 2017 to August 17, 2021

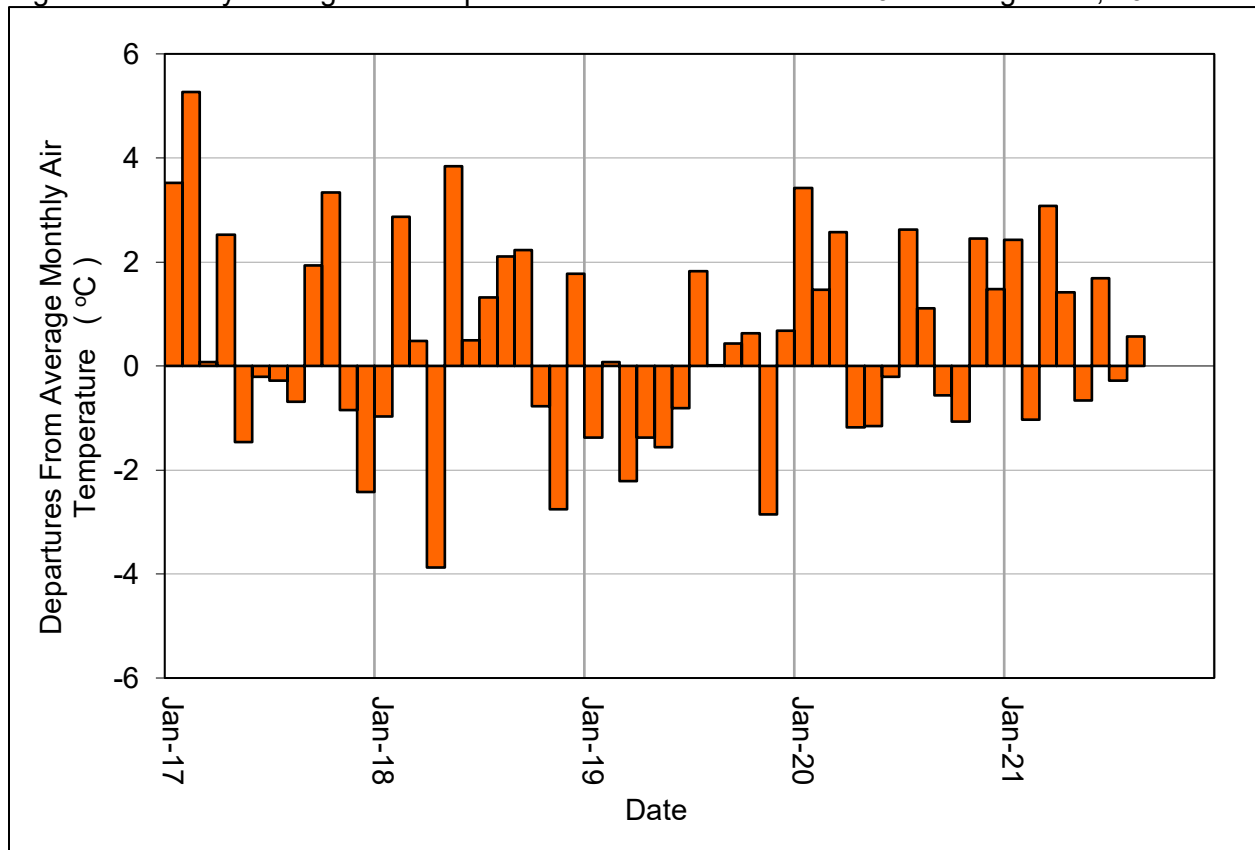


Figure 3: Groundwater conditions at GRCA monitored groundwater wells

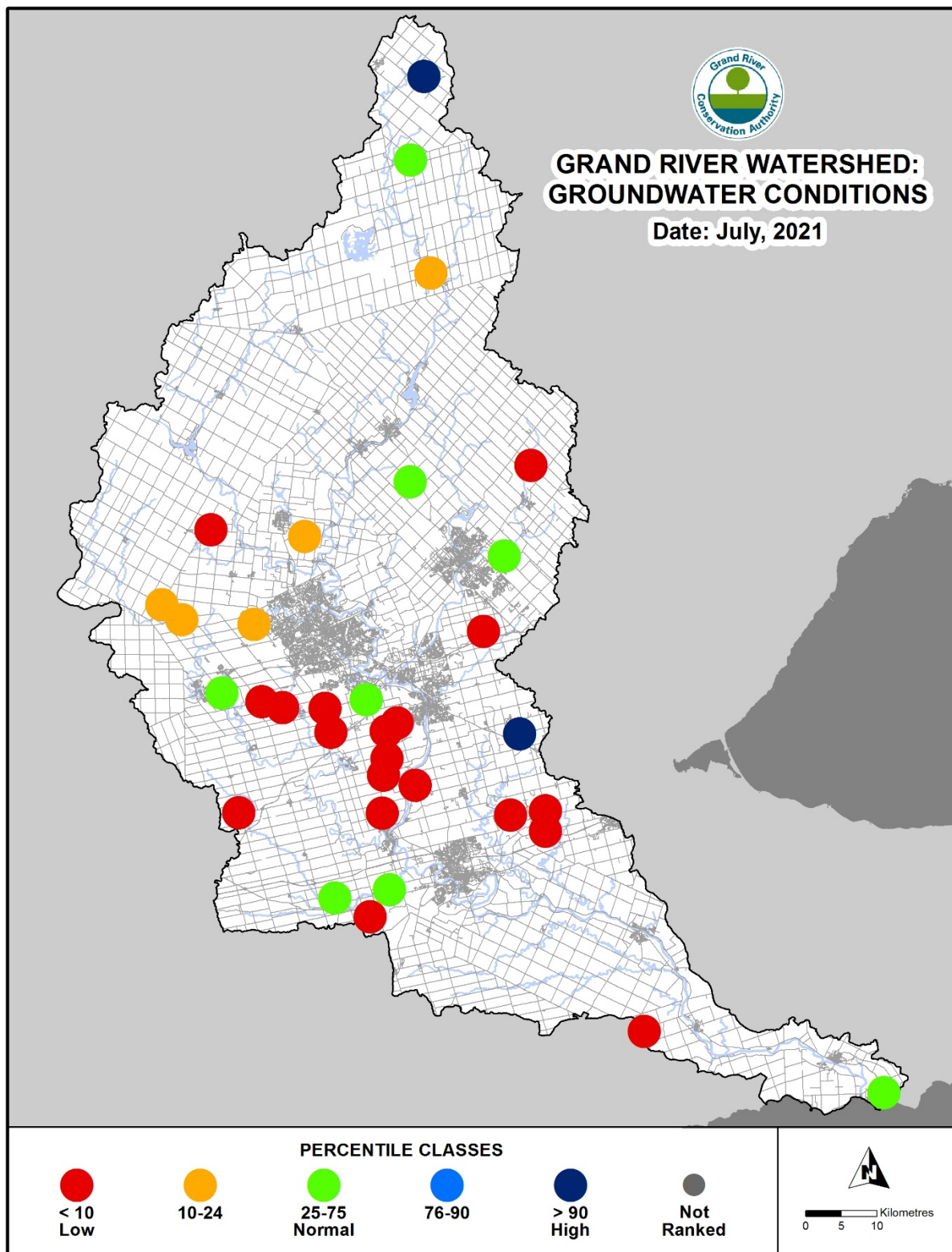


Figure 4: Shand and Conestogo Reservoir Elevation Plots for 2021

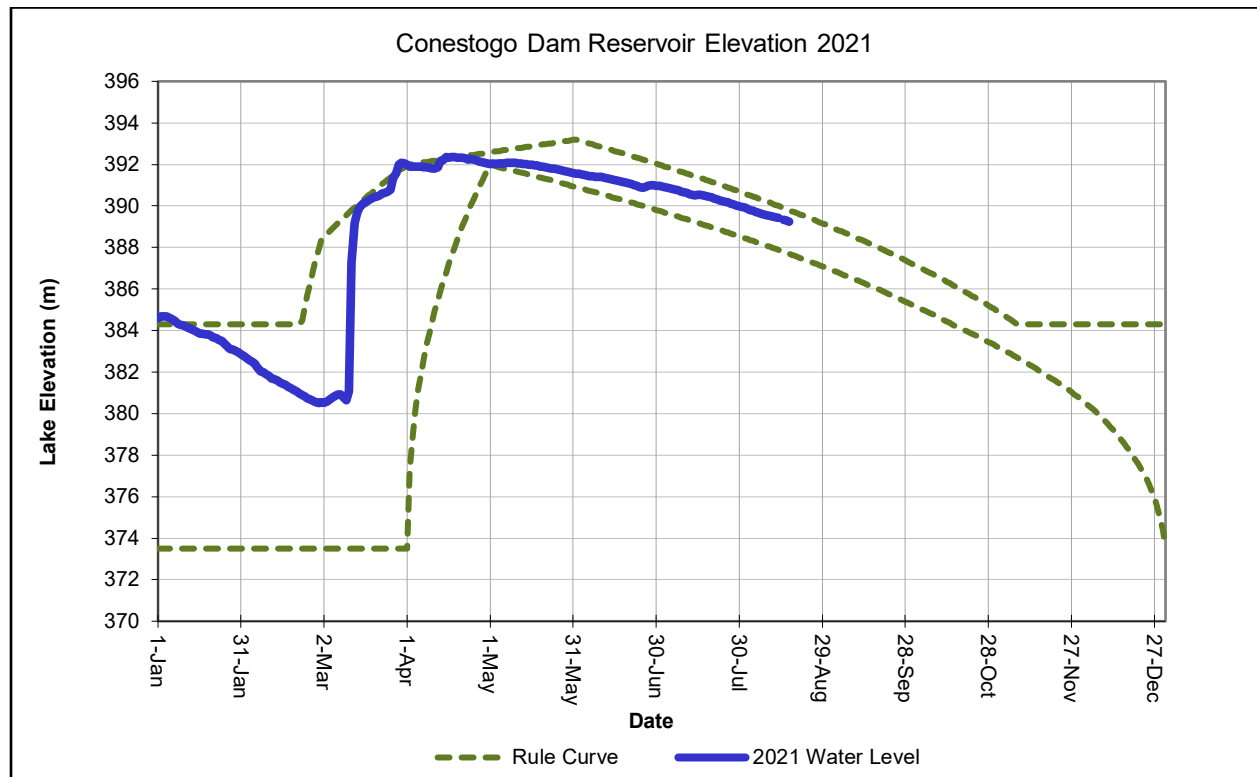
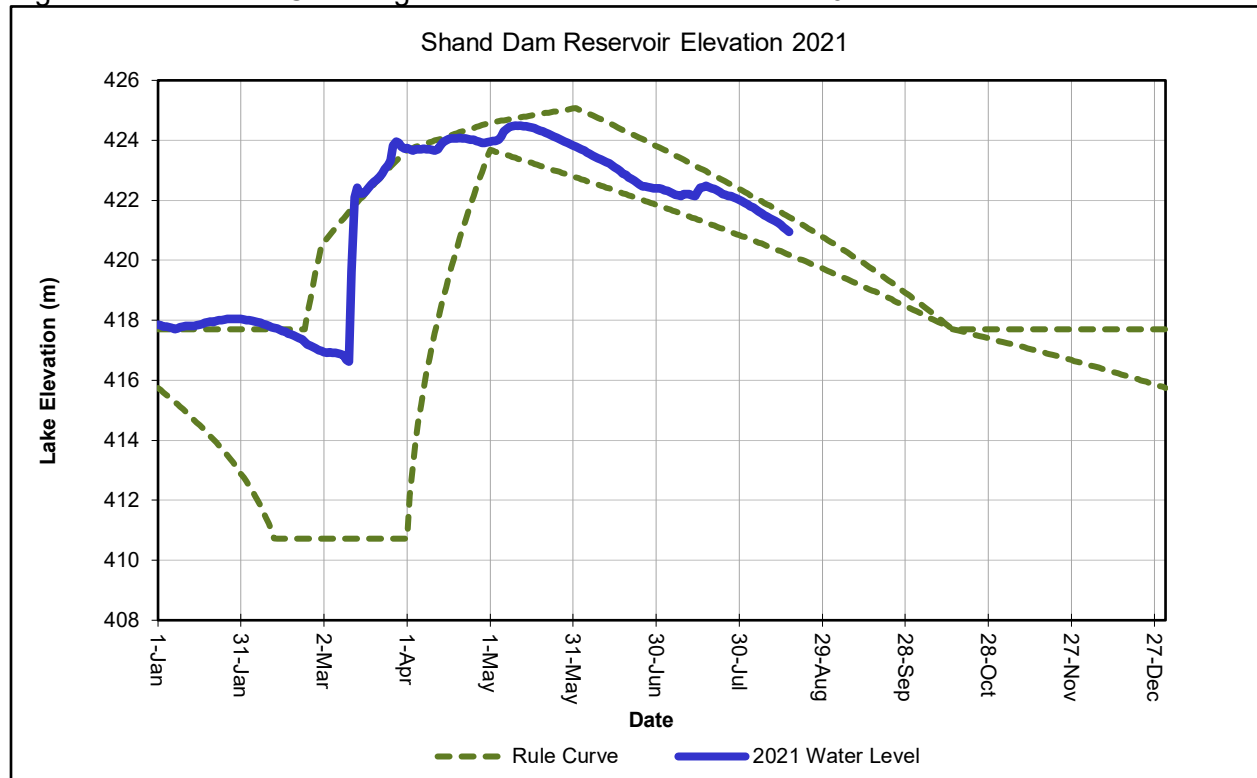


Figure 5: Guelph and Luther Reservoir Elevation Charts for 2021

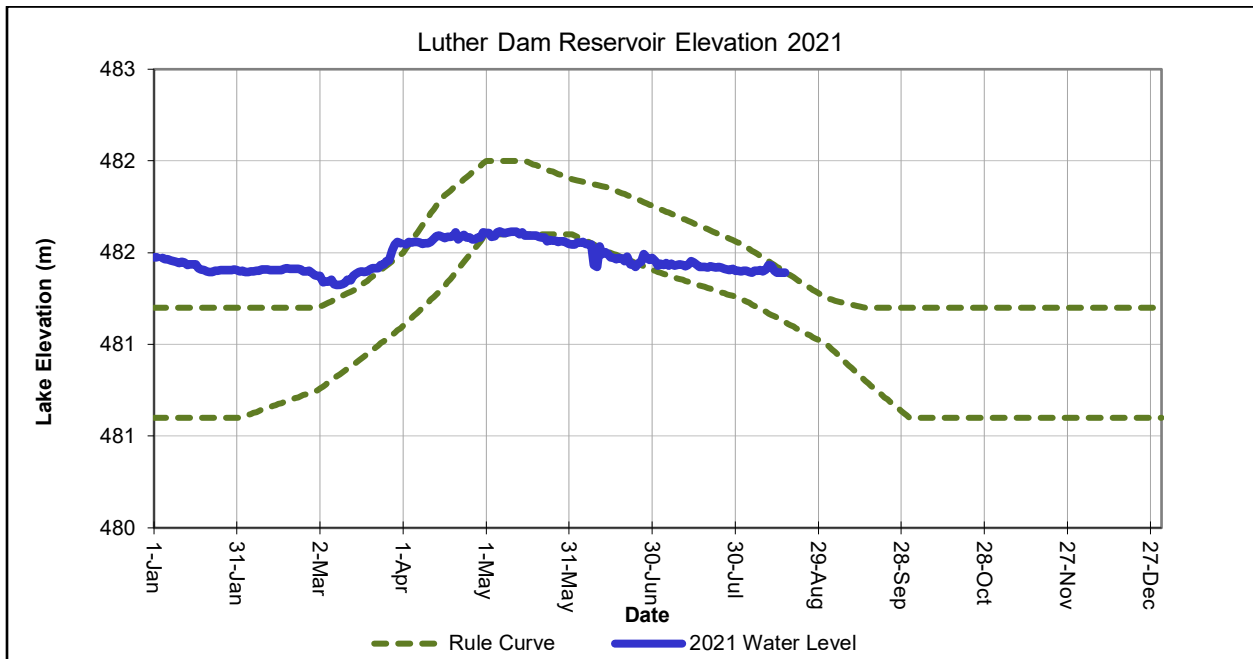
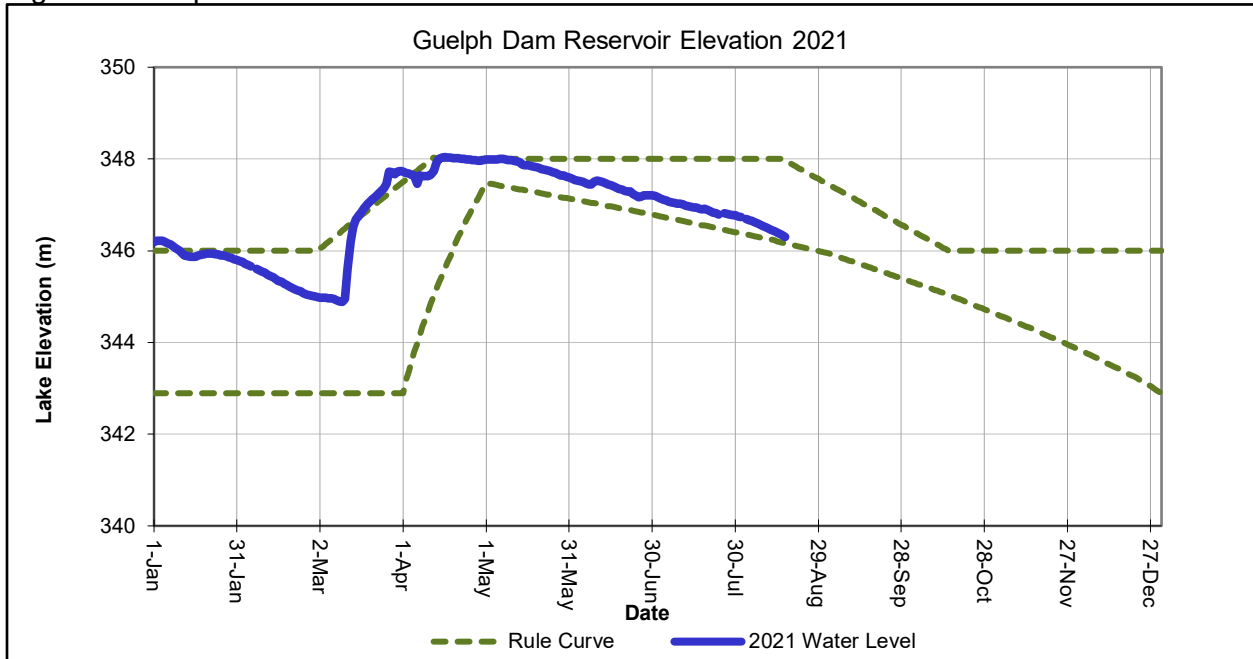


Figure 6: Daily Minimum Dissolved Oxygen Monitoring Stations on the Grand River

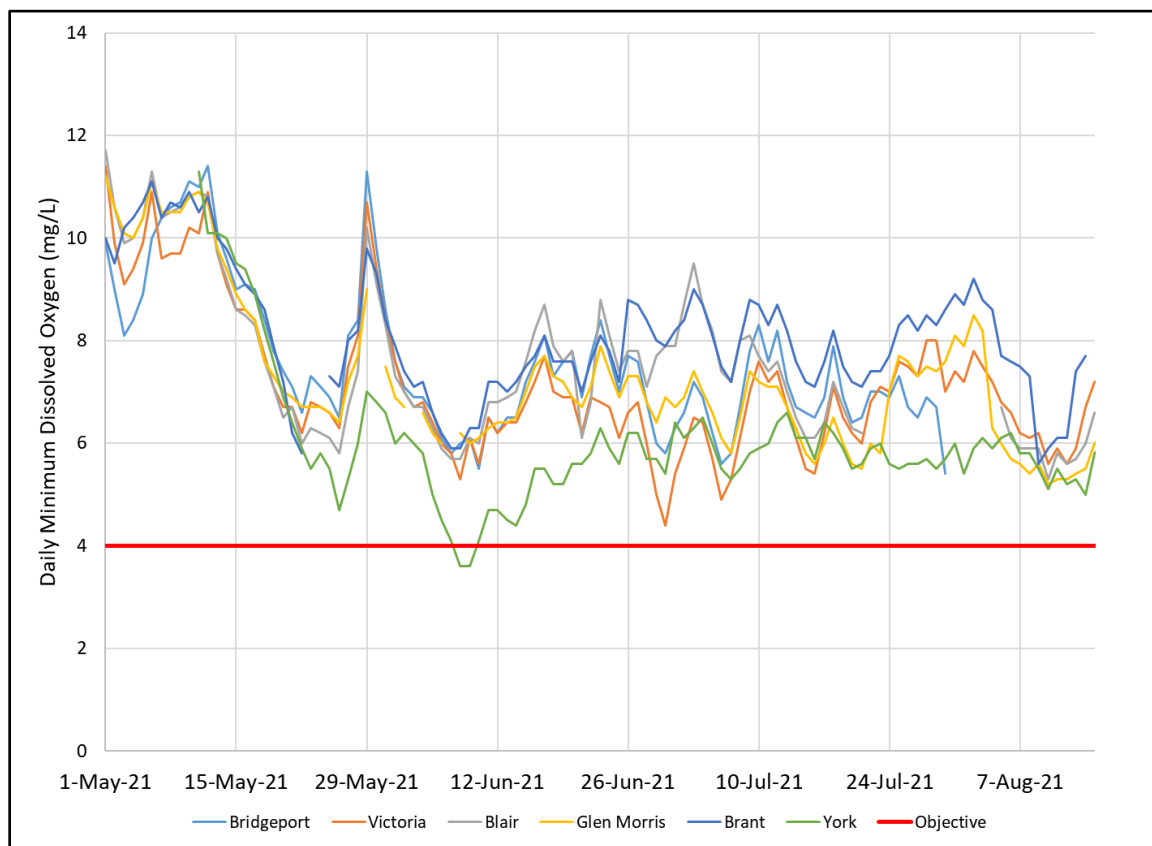


Figure 7: Daily Minimum Dissolved Oxygen Monitoring Stations on the Speed River

