



LAKEHEAD REGION

CONSERVATION AUTHORITY

EIGHTH REGULAR AUTHORITY MEETING

DATE: Wednesday, September 29, 2021

PLACE: Lakehead Region Conservation Authority Boardroom
Via Microsoft Teams

TIME: 4:30 p.m. via Microsoft Teams

AGENDA

1. **ADOPTION OF AGENDA**

Suggested Resolution:

"THAT: the Agenda be adopted as published."

2. **DISCLOSURE OF INTEREST**

3. **MINUTES OF PREVIOUS MEETING – pages 1 to 5**

Attached are the Minutes of the Lakehead Region Conservation Authority Seventh Regular Meeting held on Wednesday, August 25, 2021.

Suggested Resolution:

"THAT: the Minutes of the Lakehead Region Conservation Authority Seventh Regular Meeting held on Wednesday, August 25, 2021 be adopted as published."

4. IN-CAMERA AGENDA

No In-Camera meeting will be held.

5. BUSINESS ARISING FROM PREVIOUS MINUTES – pages 6 to 8

(a) File: Draft 2022 Budget

The LRCA received the 2022 Current Value Assessment (CVA) numbers after the presentation of the draft budget on August 25, 2021. Attached on pages 6 to 8 is the updated Draft Budget Summary illustrating the impact to each Member Municipalities municipal levy. The draft budget has been prepared with a 2.05% municipal levy increase; however, fluctuations in CVA impact each municipality to varying degrees. The final budget will be presented at the November meeting for consideration and approval.

An electronic meeting with the City of Thunder Bay Executive Management Team will be held on October 8, 2021, to discuss the Capital and Operating portions of the budget.

6. CORRESPONDENCE

None.

7. STAFF REPORTS – pages 9 to 30

Hazelwood Lake – Bacteriological Water Quality Report - 2021

Attached on pages 9 to 12 is Staff Report related to the 2021 Hazelwood Lake Bacteriological Water Quality Report. The full report will be provided electronically with your agenda package.

Suggested Resolution:

“THAT: the Staff Report WM-01-2021 be received AND FURTHER THAT the recommendations contained therein are endorsed.”

- *Funds and personnel permitting, bacteriological water quality monitoring at Hazelwood Lake should be continued in the summer of 2022.*
- *Further testing of field parameters should be continued in succeeding years to determine normal ranges and trends for the Hazelwood Lake Conservation Area.*

Hazelwood Lake Dam Repairs – Change Order

Attached on pages 13 to 30 is Staff Report LM-06-2021 related to a change to the contract price for the repairs to the Hazelwood Lake Dam.

Suggested Resolution

***“THAT:** Change Order #01 for additional concrete repairs on the Hazelwood Lake Dam by Tom Jones Corporation for the amount of \$55,318.93 plus HST be approved **AND FURTHER THAT** funds will be appropriated from the Conservation Areas Major Maintenance Capital Reserve for the project.”*

8. CHIEF ADMINISTRATIVE OFFICER REPORT – pages 31 to 34

Attached on page 31 is the monthly Treasurer’s Report for August’s Administration and Capital.

National Day for Truth and Reconciliation

Attached on pages 32 to 34 is Staff Report POLICY-PP-08-2021 related to amending the Statutory Holiday Policy to recognize September 30 as the National Day for Truth and Reconciliation.

Suggested Resolution

***“THAT:** Personnel Policy PP-08: Statutory Holidays be amended to recognize September 30 as the National Day for Truth and Reconciliation.”*

9. PASSING OF ACCOUNTS

Resolution for the month of August 2021:

***“THAT:** having examined the accounts for the period of August 1, 2021 to August 31, 2021 cheque #2357 to #2395 for \$27,070.50 and preauthorized payments of \$5,097,993.95 for a total of \$5,125,064.45, we approve their payment.”*

10. REGULATORY ROLE

Due to the meeting being held virtually, the circulation for the Plan Input and Review and approved Section 28 permit binders cannot be undertaken. Attached on page 35 is the Plan Input and Review Summary for the Period of August to September 22, 2021 and attached on pages 36 to 37 is a summary of Section 28 Permits issued in 2021 to date.

11. PROJECTS UPDATE

Lake Superior Water Levels

Dry conditions continued in the Lake Superior basin in August. As a result, the level of Lake Superior has declined and reached the seasonal long-term average for the first time since April 2014. Beginning of September, the Lake Superior water level was one centimetre below average (1918-2019) and 26 centimetres lower than last year’s level. The current water level is

approximately 70 centimetres lower than the 100-year flood level for Lake Superior. Water levels on Lake Superior are expected to remain near seasonal average levels.

Low Water Response

As part of the Ontario Low Water Program, the Lakehead Region Conservation Authority declared a Level II Low Water Condition on September 2, 2021. Recorded precipitation over the last three months was 57% of average (i.e., 141.5 millimetres actual compared to 248.5 millimetres average), and 22% of actual flow compared to lowest average summer flow for area gauged streams.

Filming at MacKenzie Point

For your information, a film crew from Toronto was granted permission to film background special effects shots at MacKenzie Point Conservation Area on September 22, 2021. Due to the small size of the area, MacKenzie Point was closed to the public for that day. The film crew shot scenic background plates of the shoreline and landscape, which will then later be superimposed behind pre-recorded footage of actors on a green screen. The footage was shot for season three of the Apple TV+ original series 'SEE'.

Shoreline Restoration at Mission Island Marsh Conservation Area

In August, after completing public consultation, approximately 30 metres of shoreline was restored and stabilized at the Mission Island Marsh Conservation Area by Serafini's General Contracting, LRCA staff, and the United Way of Thunder Bay volunteers. The work included re-grading the shoreline, installing rock protection, and planting native trees, shrubs, and perennials along the shoreline and within planting beds. LRCA staff with the help of the United Way of Thunder Bay's GenNext volunteer team, through their Mini Days of Caring program, installed 275 plants along the shore on August 27th. The Mission Marsh Shoreline Restoration project is funded through a transfer payment agreement with the Ministry of Natural Resources and Forestry.

Fisherman's Climate Change Awareness Park

On October 7th and 8th, LRCA staff will be hosting a volunteer day planting event at Fisherman's Park West to restore the park to a naturalized condition by planting native trees, shrubs, and perennials. Construction of the shoreline restoration, coastal wetland, and pollinator garden is expected to be complete the first week in October. Once planted, LRCA staff will be hosting outdoor classroom events in partnership with Lakehead University and Confederation College to educate how re-naturalization in urban areas can alleviate the impacts of climate change.

Riparian Habitat Restoration at Mountdale/Nestle Boat Launch

On October 1st, LRCA staff will be hosting the first community meeting and site tour of the Mountdale/Nestle Boat Launch to introduce the project and discuss the needed riparian habitat restoration and stormwater management using green infrastructure. The overall goal of the project is to improve water quality and re-establish ecosystem function along the Kaministiquia River, as well as manage urban stormwater runoff and sedimentation to the waterway. The project will provide environmental benefits to the Lakehead Watershed and address fish and wildlife habitat related beneficial use impairments in the Thunder Bay Area of Concern (AOC). The project is being funded by Environment and Climate Change Canada.

12. NEW BUSINESS

13. NEXT MEETING

Wednesday, October 27, 2021, at 4:30 p.m. via Microsoft Teams.

14. AJOURNMENT

Suggested Resolution:

“THAT: the time being _____ p.m. AND FURTHER THAT there being no further business we adjourn.”

2021 EVENTS/MEETINGS

Monday, September 27, 2021	Fall Photography Workshop (Living Classroom Program)
Saturday, October 2, 2021	Fall Waterfowl Viewing Day
Thursday, October 7, 2021	Living Classroom Program
Wednesday, October 27, 2021	LRCA Board Meeting
Wednesday, November 24, 2021	LRCA Board Meeting
Thursday, December 9, 2021	Holiday Gathering

****All events are tentative and are subject to current COVID-19 restrictions.**



Minutes of the Seventh Regular Meeting of the Lakehead Region Conservation Authority held on Wednesday, August 25, 2021, via Microsoft Teams. The Chair called the Meeting to order at 4:30 p.m.

PRESENT: Donna Blunt, Chair
Grant Arnold, Vice-Chair
Joel Brown
Rudy Buitenhuis
Erwin Butikofer
Andrew Foulds
Andrea Goold
Umed Panu
Allan Vis

REGRETS: Trevor Giertuga
Jim Vezina

ALSO

PRESENT: Tammy Cook, Chief Administrative Officer
Mark Ambrose, Finance Manager
Gail Willis, Watershed Manager
Ryne Gilliam, Lands Manager
Ryan Mackett, Communications Manager
Melanie O'Riley Receptionist/Admin Clerk, recorder of Minutes

1. ADOPTION OF AGENDA

Resolution #84/21

Moved by Grant Arnold, Seconded by Joel Brown

"THAT: the Agenda be adopted as published." CARRIED.

2. DISCLOSURE OF INTEREST

None.

3. MINUTES OF PREVIOUS MEETING

Resolution #85/21

Moved by Rudy Buitenhuis, Seconded by Erwin Butikofer

“THAT: the Minutes of the Lakehead Region Conservation Authority Sixth Regular Meeting held on Wednesday, June 23, 2021, are adopted as published.” CARRIED.

Resolution #86/21

Moved by Andrew Foulds, Seconded by Grant Arnold

“THAT: the Minutes of the Lakehead Region Conservation Authority First Special Meeting held on Wednesday, July 14, 2021, are adopted as published.” CARRIED.

4. IN-CAMERA AGENDA

An In-Camera meeting was not held.

5. BUSINESS ARISING FROM PREVIOUS MINUTES

None.

6. CORRESPONDENCE

None.

7. STAFF REPORTS

Members reviewed and discussed Staff Report ENVEDU-01-2021: LRCA Environmental Education Program 2020/21 School Year Summary.

Resolution #87/21

Moved by Andrea Goold, Seconded by Umed Panu

“THAT: Staff Report ENVEDU-01-2021 be received for information.” CARRIED.

Members reviewed and discussed Staff Report CONAREA-01-2021 summarizing the 2020 Traffic Counter Report.

Resolution #88/21

Moved by Joel Brown, Seconded by Allan Vis

“THAT: Staff Report CONAREA-01-2021 be received AND FURTHER THAT the recommendations contained therein be endorsed.” CARRIED

8. CHIEF ADMINISTRATIVE OFFICER REPORT

Members were provided with the monthly Treasurer’s Report for June and July’s Administration and Capital.

Members reviewed and discussed Staff Report CORP-10-2021 related to a request from EOS Positioning Systems to install a base station at the LRCA Administrative Office.

Resolution #89/21

Moved by Joel Brown, Seconded by Grant Arnold

“THAT: the CAO and Chair are authorized to enter into an Agreement with EOS Positioning Systems to host an RTK Base Station.” CARRIED.

Members reviewed and discussed the 2022 Draft LRCA Budget. It was noted that the 2022 Current Value Assessment (CVA) numbers had not been provided from the MECP at the time of writing.

Member were requested to advise if their Township/Municipality would like a visit to a Council Meeting during September/October related to the 2022 Draft Budget.

The final 2022 budget will be presented to the Board at the November Meeting for approval.

9. PASSING OF ACCOUNTS

Resolution #90/21

Moved by Erwin Butikofer, Seconded by Rudy Buitenhuis

“THAT: having examined the accounts for the period of June 1, 2021 to June 30, 2021 cheque #2296 to #2325 for \$62,609.88 and preauthorized payments of \$117,935.23 for a total of \$180,545.11 we approve their payment.” CARRIED.

Resolution #91/21

Moved by Andrea Goold, Seconded by Andrew Foulds

“THAT: having examined the accounts for the period of July 1, 2021 to July 31, 2021 cheque #2326 to #2356 for \$72,026.30 and preauthorized payments of \$102,053.35 for a total of \$174,079.65, we approve their payment.” CARRIED.

10. REGULATORY ROLE

Members were provided with the Plan Input and Review Summary for the Period of June to August 18, 2021 and a summary of Section 28 Permits issued in 2021 to date.

11. PROJECTS UPDATE

It was noted that both the Hazelwood Lake Family Fun Day and the Silver Harbour Day were cancelled due to COVID-19.

Members were provided with a list of programs that the LRCA will be hosting as part of the TD Friends of the Environment Fund Watershed Explorer and Junior Explorer programs.

It was noted that the LRCA will be conducting two paid programs for the Girl Guides this fall, tentatively scheduled for Saturday, October 16 and Saturday, November 6.

It was noted that the LRCA will be conducting two paid programs for the Alzheimer Society, tentatively scheduled for Thursday, October 14 and Thursday, October 21.

It was noted the LRCA's five health and safety topics as part of the 2020/21 WSIB Health and Safety Excellence Program have been validated, and that the LRCA received the full allowable rebate of \$5,000.00.

Members were advised that staff have received approval for funding from Environment and Climate Change Canada (ECCC) through the Great Lakes Protection Initiative fund (Thunder Bay Area of Concern) in the amount of \$47,480, including HST, to restore the riparian habitat at the Mountdale Boat Launch and \$66,700 including HST for wildlife habitat restoration along the Neebing-McIntyre Floodway corridor.

It was noted that the LRCA's Mission Marsh Shoreline Restoration project which was funded through a transfer payment agreement with the Ministry of Natural Resources and Forestry was completed to restore and stabilize the shoreline and create a naturalized vegetated buffer zone between the waters edge and the parking lot.

It was noted that the Lake Superior water level continues to be above average.

Members were advised that staff declared a Level I Low Water Condition on July 29, 2021 based on the observed low flow conditions in area streams.

It was noted that Tom Jones Corporation commenced repair work on the Hazelwood Lake Dam on Tuesday, August 17, 2021.

12. NEW BUSINESS

Members were advised that the LRCA Administrative Office will be used as a polling station for the Federal Election on September 20, 2021.

13. NEXT MEETING

Wednesday, September 29, 2021, at 4:30 p.m.

14. ADJOURNMENT

Resolution #92/21

Moved by Umed Panu, Seconded by Allan Vis

“THAT: the time being 5:13 p.m. AND FURTHER THAT there being no further business we adjourn.” CARRIED.

Chair

Chief Administrative Officer

2022 Budget	
2.05% Levy-All increase compared to 2021	
Total Levy	\$1,732,630
Levy-All	\$1,052,613 (32%)
City of Thunder Bay Sole-Benefitting	\$680,017 (20%)
Total Provincial Grant Revenue**	\$387,663 (12%)
Total Other Revenue	\$882,995 (27%)
Reserve Withdrawal	\$84,100 (2%)
Self-Generated	\$233,388 (7%)
Total Budget	\$3,320,776

** Section 39 Transfer Payment and SWP Transfer Payment unconfirmed for 2022

2022 Total Levy Compared to 2021						
Municipality	2021 CVA %	2021 Levy \$	2022 CVA %	2022 Levy \$*	\$ Change *	% Change *
Thunder Bay	86.0622	1,524,634	85.960	1,584,895	60,261	3.95
Conmee	0.4377	4,515	0.4375	4,605	90	1.99
Dorion	0.2864	2,954	0.2942	3,097	143	4.84
Gillies	0.2500	2,579	0.2482	2,613	34	1.32
Neebing	2.2040	22,697	2.2334	23,509	812	3.58
O'Connor	0.4673	4,820	0.4668	4,914	94	1.95
Oliver Paipoonge	5.3975	55,676	5.4605	57,478	1,802	3.24
Shuniah	4.8983	50,527	4.8947	51,521	994	1.97
	100	1,668,402	100	1,732,632	64,230	

*City of Thunder Bay sole-benefitting 6.8% change compared to 2021

2022 Budget Notes
<ul style="list-style-type: none"> • Levy-all increase 2022 versus 2021 = 2.05% <ul style="list-style-type: none"> • 2021 increase – 0% • 2020 increase – 0% • Minimal to no increases are feasible in the short term but are not realistic for the long-term operation of the LRCA. • Provincial funding anticipated to be provided in 2022 (included as revenue in budget) <ul style="list-style-type: none"> • Section 39 Transfer Payment = \$150,940 • Source Water Protection Transfer Payment = \$56,343 • The LRCA has no control over further provincial cuts in 2022 • If Source Water Transfer Payment cut, cost of program would be sole benefitting to City of Thunder Bay and Municipality of Oliver Paipoonge • MECP is in process of determining core versus non-core programs with subsequent regulations anticipated to be released in 2021. Changes will impact 2023 budget process.

2022 Budget Highlights

Highlights of the 2022 Budget expenditures include:

- Continuation of annual programming including:
 - Plan Input and Review,
 - Development Regulations,
 - Watershed monitoring,
 - Flood Forecasting and Warning,
 - Operation and maintenance of LRCA owned properties,
 - Stewardship (no levy), and
 - Education programming (no levy).
- Capital improvements including:
 - Upgrade of electrical at Administrative Office
 - Dredging of CPR Sediment Trap
 - Diversion Channel Lip Dredging
 - Cascades – Re-pave Parking Lot and Trail
 - Hazelwood - Replace two privies
 - Little Trout Bay – Install additional privy
- The Watershed Stewardship Technician contract will continue for a full year using MNRF Transfer Payment funding.
- **The Asset Management Plan is currently being updated. Any significant changes will be incorporated into the final budget.**
- Final Budget for consideration and approval will be in November 2021.

Planned Reserve withdrawals:

- Vehicle and Equipment - \$1,400
- Plow Truck and Plow - \$70,000
- Conservation Area Major Maintenance Capital - \$81,100
- Forest Management - \$3,000



PROGRAM AREA	Watershed Monitoring	REPORT NO.	WM-01-2021
DATE PREPARED	September 21, 2021	FILE NO.	5-12-2
MEETING DATE	September 29, 2021		
SUBJECT	Hazelwood Lake – Bacteriological Water Quality Report - 2021		

RECOMMENDATION

Suggested Resolution:

“THAT: the Staff Report WM-01-2021 be received **AND FURTHER THAT** the recommendations contained therein are endorsed.”

- *Funds and personnel permitting, bacteriological water quality monitoring at Hazelwood Lake should be continued in the summer of 2022.*
- *Further testing of field parameters should be continued in succeeding years to determine normal ranges and trends for the Hazelwood Lake Conservation Area.*

LINK TO STRATEGIC PLAN (2018 – 2022)

Connect & Explore:

- *Manage recreational areas for current and future generations.*

EXECUTIVE SUMMARY

Bathing Beach sampling is conducted annually at the Hazelwood Lake Conservation Area, located 14 kilometres north of the City of Thunder Bay in the unincorporated Township of Gorham.

Hazelwood Lake *Escherichia coli* (*E. coli*) test results were within acceptable levels (≤ 200 counts of *E. coli* per 100 millilitres of water) for the entire season. As a result, there were no beach advisories posted in the summer of 2021. Previously, Hazelwood beach has had swimming advisories posted in 1998, 1999, 2006 and 2007 when the analyzed water samples resulted in *E. coli* levels above the applicable Provincial Water Quality Objectives (PWQO) criterion. It is noted that prior to 2018, the criteria was <100 counts of *E. coli* per 100 millilitres of water.

The presence of a blue-green algae bloom was confirmed on June 21, 2021 by the Ministry of Environment, Conservation and Parks (MECP) near the swimming area at Hazelwood Lake. LRCA staff closed the beach to swimming on June 22, 2021. In consultation with the Thunder Bay District Health Unit and MECP, and after two weeks of no observed algae in the area, the beach was reopened on July 8, 2021 at which time the bathing beach sampling of *E. coli* resumed.

DISCUSSION

Hazelwood Lake *E. coli* levels were well below the PWQO criterion of 200 counts per 100 millilitres of water for the entire sampling season. The highest geometric mean of the year occurred on August 30, 2021 with a geometric mean of 51 MPN per 100 mL of water. The highest geometric mean in 2020 was 47 MPN per 100 mL.

Based on the historical bathing beach data for Hazelwood Lake, there does not seem to be an indication of improvement or deterioration of water quality at this Conservation Area. Since 1994, Hazelwood Lake has exceeded the *E. coli* criterion in only a few of the years sampled. In 2007, Hazelwood Lake exceeded the *E. coli* criteria twice: July 9, 2007 (486.63 counts per 100mL of water) and August 27, 2007 (271.81 counts per 100mL of water). In 2006, Hazelwood Lake exceeded the criterion five times resulting in a posted beach advisory from July 28 until August 16, 2006 (highest exceedance was $>10^3$ counts per 100mL of water) and was directly attributed to a large flock of Canadian geese, low lake levels and warm water temperatures.

Testing of field parameters began in 2005. In 2021, the water temperature of Hazelwood Lake was consistent with the average. The pH levels steadily increased from 2005 to 2009, then stabilized within the guidelines from 2010-2020, with the exception of 2009 and 2018. It appears that conductivity and dissolved oxygen results are relatively stable since 2005.

A blue-green algae bloom was suspected on June 14, 2021, and confirmed by the Ministry of Environment, Conservation and Parks (MECP) laboratory on June 21, 2021. The bloom tested positive for cyanobacteria, and as such LRCA staff closed the beach for swimming on June 22, 2021. Signs were supplied by the Thunder Bay District Health Unit (TBDHU) and installed by LRCA staff. LRCA staff stopped the bathing beach sampling to monitor the beach for blue-green algae. After no algae was observed over a two-week period, in consultation with TBDHU and MECP, LRCA staff re-opened the beach to swimming on July 8, 2021 and resumed sampling for *E. coli*. The beach was closed for a total of 17 days.

FINANCIAL IMPLICATIONS

Water quality analysis is conducted by the Ministry of Health laboratory under the Thunder Bay District Health Unit's Bathing Beach Program.

CONCLUSION

All analyzed samples for Hazelwood Lake were within acceptable levels for *E. coli* for the 2021 bathing beach season. Funds and personnel permitting, bacteriological water quality monitoring should be continued in the summer of 2022. Further testing of field parameters should be continued in succeeding years to determine normal ranges and trends for the Hazelwood Lake Conservation Area. LRCA staff will contact the Spills Action Centre if blue-green algae is suspected during monitoring.

BACKGROUND

Hazelwood Lake is a 300-hectare inland lake owned by the Lakehead Region Conservation Authority (LRCA) within the Current River watershed and is considered a bathing beach facility. Hazelwood Lake Conservation Area is located 14 kilometres north of the City of Thunder in the unincorporated Township of Gorham.

Since 1994, the LRCA has annually monitored the water quality of the beach waters at the Hazelwood Lake Conservation Area.

The main contaminant of concern at bathing beaches is *E. coli*, which is naturally found in the intestines of humans and warm-blooded animals. Unlike other bacteria in this family, *E. coli* does not usually occur naturally on plants or in soil and water. The inability of *E. coli* to grow in water combined with its short survival time in water environments means that the detection of *E. coli* in a water system is a good indicator of recent fecal contamination. These bacteria can cause irritation of the skin and eyes when contact is made and can cause serious illness when ingested.


When *E. coli* criterion is exceeded, a Beach Advisory is posted at the facility.

REFERENCE MATERIAL ATTACHED

Executive Summary, Hazelwood Lake Conservation Area, Bathing Beach, Bacteriological Water Quality Report 2021.

A copy of the full report will be available electronically.

PREPARED BY: Gail Willis, Watershed Manager

THIS REPORT SIGNED AND VERIFIED BY:  Tammy Cook Chief Administrative Officer	DATE: September 21, 2021
--	-----------------------------



EXECUTIVE SUMMARY

Water quality sampling of the bathing beach at Hazelwood Lake Conservation Area was undertaken by the Lakehead Region Conservation Authority (LRCA) throughout the summer of 2021. Collected water samples were analyzed by the Public Health Ontario laboratory for *Escherichia coli* (*E. coli*) bacterial concentrations and compared to the bathing beach criterion published in the Ministry of Health and Long-Term Care (MOHLTC), Operational Approaches for Recreational Water Guideline, 2018.

Hazelwood Lake *E. coli* test results were within acceptable levels (≤ 200 counts of *E. coli* per 100 millilitres of water) for the entire season. As a result, there were no beach advisories posted in the summer of 2021. Previously, Hazelwood Lake beach has had swimming advisories posted in 1998, 1999, 2006 and 2007 when the analyzed water samples resulted in *E. coli* levels above the applicable criterion. It is noted that prior to 2018, the criteria was <100 counts of *E. coli* per 100 millilitres of water.

Field parameters, which included water temperature, turbidity, pH, dissolved oxygen and conductivity, were measured as additional indicators of water quality. Testing of these field parameters began in 2005. In 2021, the water temperature of Hazelwood Lake was consistent with the average. The pH levels steadily increased from 2005 to 2009, then stabilized within the Provincial Water Quality Objectives (PWQO) range from 2010-2021, with the exception of 2009 and 2018. In 2021, pH had an average value of 7.71. It appears that the trends for conductivity and dissolved oxygen are relatively stable. Turbidity values are considerably lower compared to the values recorded in 2006/2007. Testing of field parameters should be continued as part of the bathing beach program in succeeding years to help clarify normal ranges and trends for the Hazelwood Lake Conservation Area.

On June 14, 2021, the Ministry of Environment, Conservation and Parks (MECP) received a report of suspected blue-green algae near the swimming area at Hazelwood Lake Conservation Area. The MECP staff attended the area to collect samples and the samples were sent to the Ministry's laboratory for algae identification and toxin analysis. The presence of a bloom of cyanobacteria was confirmed on June 21, 2021. The beach was closed from June 22 until July 8, 2021. The beach was reopened on July 8, 2021 after two weeks of no observed algae in the area at which time the water quality sampling for *E. coli* resumed.

Funds and personnel permitting, bacteriological water quality monitoring at Hazelwood Lake should be continued in the summer of 2021. LRCA staff will contact the Spills Action Centre if blue-green algae is suspected during monitoring.

PROGRAM AREA	LAND MANAGEMENT	REPORT NO.	LM-06-2021
DATE PREPARED	September 20, 2021	FILE NO.	32-10-3
MEETING DATE	September 29, 2021		
SUBJECT	2021 Hazelwood Lake Dam Repairs – Change to Contract Price		

RECOMMENDATION

Suggested Resolution

***“THAT:** Change Order #01 for additional concrete repairs on the Hazelwood Lake Dam by Tom Jones Corporation for the amount of \$55,318.93 plus HST be approved **AND FURTHER THAT** funds will be appropriated from the Conservation Areas Major Maintenance Capital Reserve for the project.”*

LINK TO STRATEGIC PLAN

Links to the Strategic Plan (2018-2022):

Protect and Support:

- *Demonstrate effective land-use planning and emergency flood management through a collaborative approach.*
- *Maintain and enhance flood and erosion control infrastructure to minimize the impacts of flooding, erosion, and sedimentation.*

Connect and Explore:

- *Manage recreational areas for current and future generations.*

EXECUTIVE SUMMARY

Work on the Hazelwood Lake Dam commenced the first week of August after the Contract was awarded to Tom Jones Corporation on July 15, 2021. Additional concrete repairs were identified by the contractor when the work area was de-watered, which included a larger than anticipated area of concrete deterioration and cracking on the base of the piers at 15 locations under original contract and 9 new locations not in contract. Concrete provides cover and protection of the rebar within the piers and thus, these repairs will extend the life of the piers. Further, Tom Jones Corporation requested a change to the repair technique for the original five identified cracks in concrete on the weirs, plus three new cracks, from an epoxy crack injection to a method of sawcut, chip and patch the concrete. The extra cost to complete the additional concrete repairs is \$55,318.93, plus HST.

In consultation with the Chair, staff made the decision to increase the scope of the project, as recommended by KGS Group, which increased the Contract Price from \$122,597.00 to

\$177,915.93, plus HST, for the extra Contract work using unspent funds from the current budget and if necessary, funds from the Conservation Area Major Maintenance Capital Reserve. Completing the additional repairs was necessary to preserve the integrity of the dam. Work was required to be completed during the extended in-water work timing window, which closes on September 30th. Delaying the project would have cost significantly more due to having to remobilize/demobilize the following year when the in-water work timing window re-opened.

DISCUSSION

On July 15, 2021, the Contract to complete the concrete repair work to the Hazelwood Lake Dam was awarded to Tom Jones Corporation (TJC) for the Contract Price of \$122,597.00, plus HST. LRCA hired KGS Group Consulting Engineers (KGS) in March 2021 to carryout the necessary engineering services for the project, including design, tendering, and contract administration.

Work on the Hazelwood Lake Dam commenced the first week of August. On August 24th, TJC notified KGS and LRCA of a larger than anticipated area of concrete deterioration and cracking on the base of the piers under contract (15 pier sides) and on piers where no work was to occur (9 new pier sides not in contract). The depth of deterioration and cracking of the concrete piers was revealed after the work area was isolated, dewatered, and cleaned. Most of the deterioration was the erosion of the concrete surface, leaving some 50% of aggregate exposed with a few areas where the erosion of the concrete was deeper. This is all cover concrete for protection of the internal rebar. The more concrete over the rebar the longer the pier lasts, thus repair of the deterioration and cracking will extend the life of the piers. An additional 9 days was required to complete all necessary concrete repairs on the piers.

Further, TJC requested a change to the repair technique for five areas of cracked concrete on the top of the weirs as per the original contract, and three areas that were identified and not under the contract. The repair technique in the contract for the areas was to use an epoxy crack injection (i.e., Type 4 under contract), however TJC requested to sawcut, chip and patch the concrete. This was an acceptable method to KGS Group.

LRCA staff along with KGS attended the site on August 26th to review and inspect the proposed changes regarding additional concrete repair work as described above, and subsequently a Proposed Change Notice was issued by KGS to TJC for pricing on August 30, 2021.

The extra cost to repair the larger area of concrete deterioration and cracking of the piers, which includes the removal of the additional concrete at the base of the identified piers, sandblast any visible rebar, and extra concrete patching is \$54,264.62, plus HST. The extra cost to change the repair technique for the cracks on the weirs and the additional repair of three cracks is \$1,054.31, plus HST. The total cost for both items is \$55,318.93, plus HST.

TJC further proposed that repairs could be made to the top surface of each weir due to some exposure of aggregate from erosion over the last 40 years, and provided a cost of \$13,036.96, plus HST, to repair each weir. The Hazelwood Lake Dam has 13 weirs and, although TJC offered that multiple weir repairs would be discounted, the estimated cost would likely be over \$169,000.

KGS recommended that the surface work repairs to each weir was not a high priority and, based on their previous structural annual inspections, it is not required.

In-water Work Timing Window

The in-water work timing window for cold water fisheries is typically June 15 to September 1. Based on the fish species, the timing window for the Hazelwood Lake project was June 15 to September 15. Due to the additional repairs, additional time was required, and an application was made to the Department of Fisheries and Oceans to extend the in-water work window to September 30, which was granted. Due to the time sensitive work window, the CAO discussed the additional scope of work, and urgency to complete the work prior to the September 29th Board meeting. It was concluded to proceed with the necessary additional repairs, as delaying the work would have resulted in delaying the project until 2022, which would have resulted in significantly more costs to complete the necessary work.

FINANCIAL IMPLICATIONS

In July, LRCA awarded the Hazelwood Lake Dam Repairs contract to Tom Jones Corporation for a Contract Price of \$122,597.00, plus HST. Funds were appropriated from the Hazelwood Lake Dam Reserve (\$100,000) and from the Conservation Area Major Maintenance Capital Reserve for the total original project cost of \$146,576.58 (project costs includes the non-refundable portion of HST and KGS Group Contract Administration costs).

With the extra Contract work, the total project cost increases to \$202,869.12 due to the Contract changes. The extra project cost of \$55,412.54 (including not refundable HST) will be funded from any unspent current year funds in the Conservation Area Major Maintenance and Site Development Fund, and the Conservation Area Major Maintenance Capital Reserve if necessary, which has adequate funds within the Reserve.

CONCLUSION

In consultation with the Chair, staff made the decision to increase the scope of the project, as recommended by KGS Group, which increased the Contract Price to \$177,915.93, plus HST, for the extra Contract work, which will be funded using unspent funds in the current budget and if necessary from the Conservation Area Major Maintenance Capital Reserve. The work is required to complete the necessary concrete repairs to the deteriorating and cracked concrete at the base of the piers, and for the change in repair technique for the cracked concrete at the top of the weirs. Completing the additional repairs was necessary to preserve the integrity of the dam. Delaying the project would have cost significantly more due to having to remobilize/demobilize the following year when the in-water work timing window re-opened.

BACKGROUND

Since 2008, the LRCA has carried out annual condition/structural inspections of LRCA owned structures. The five LRCA owned structures are the Mission Island Marsh Conservation Area

Boardwalk, the Neebing-McIntyre Floodway Diversion Structure and Free-flow Weir, and the Hazelwood Lake Conservation Area Weir Dam Structure and Causeway.

The Hazelwood Lake Dam is located at the outlet of Hazelwood Lake and was reconstructed in 1980 to replace the aging structure that had been in place since 1905. The original dam was built for water control in the production of hydroelectric power downstream at Boulevard Lake in the City of Thunder Bay. Once the reservoir, which also provided flood control, was no longer necessary for hydro generation, the City owned lands were donated to the Authority in 1969. Additional parcels around the lake were purchased by the Authority since the donation of the original parcels.

The dam consists of a 271 m long earth dam and a 62 m long reinforced concrete spillway. The earth dam is heavily vegetated and is accessed by a trail. The earth dam was constructed with selected earth fill with a top elevation approximately 1-2 m above the lake level.

The reinforced concrete spillway is located at the west end of the earth dam. Concrete piers and a wood pedestrian walkway are located on top of the spillway. The concrete spillway portion is constructed out of three angled straight sections. The configuration of the sections results in an abutment at the west end and an abutment at the south end.


The 2020 Structural Inspections Hazelwood Lake Dam report by KGS Group dated September 2020, indicated that the overall condition of the Hazelwood Lake Dam is good; however, the reinforced concrete dam spillway had several deficiencies. The deficiencies included light erosion and exposed reinforcing steel at pier bases, severe erosion of the concrete at the crest of the spillway in four locations, light erosion of the concrete on the crest of all spillway sections, medium erosion at three transverse construction joints, exposed reinforcing steel at the splash pad below the spillway, and light cracking on the south abutment and wingwalls. The total cost of repairs including contract or costs and engineering administrative costs was estimated at \$125,000 in the 2016 Asset Management Plan. It is noted that the \$100,000 Hazelwood Lake Dam Reserve used for this project are funds from the insurance proceeds collected after the cabin was destroyed by fire at Hazelwood Lake Conservation Area.

REFERENCE MATERIAL ATTACHED

Attachment #1 - KGS Group – Proposed Change No. 1

Attachment #2 - Tom Jones Corporation – Document CCO#1

PREPARED BY: Gail Willis, Watershed Manager

THIS REPORT SIGNED AND VERIFIED BY:  Tammy Cook Chief Administrative Officer	DATE: September 21, 2021
--	-----------------------------



Kontzamanis Graumann
Smith MacMillan Inc.
Suite 301A - 1001 William St
Thunder Bay, ON P7B 6M1

P 807-623-2195
F 807-473-5671
kgsgroup.com

Proposed Change No.01

Project:	Hazelwood Lake Dam Repairs		
Contractor:	Tom Jones Corporation, 560 Squier Place	KGS Project No.:	21-3065-001
Date:	August 30, 2021	Owner Project No.:	N/A
Owner:	Lakehead Region Conservation Authority, 130 Conservation Road		
Distribution:	Casey Bishop Jonathan Buosi Gail Willis Tammy Cook		

Pursuant to paragraph 6.2.1 of GC 6.2 – CHANGE ORDER in CCDC 2 – 2008, indicate within 7 days of the above date the changes to the *Contract Price* and *Contract Time* for the proposed change in the *Work*. Do not proceed with the change without a *Change Order* or *Change Directive* authorizing a change in the *Work*.

1.0 DESCRIPTION

As previously discussed on site with the client and contractor, additional concrete repairs to the Hazelwood Lake Dam are required. See sketches on FIG.02 and FIG.02 attached for references.

1.1 Additional Concrete Repairs

Provide a separate price and the associated time required for each of the following repairs;

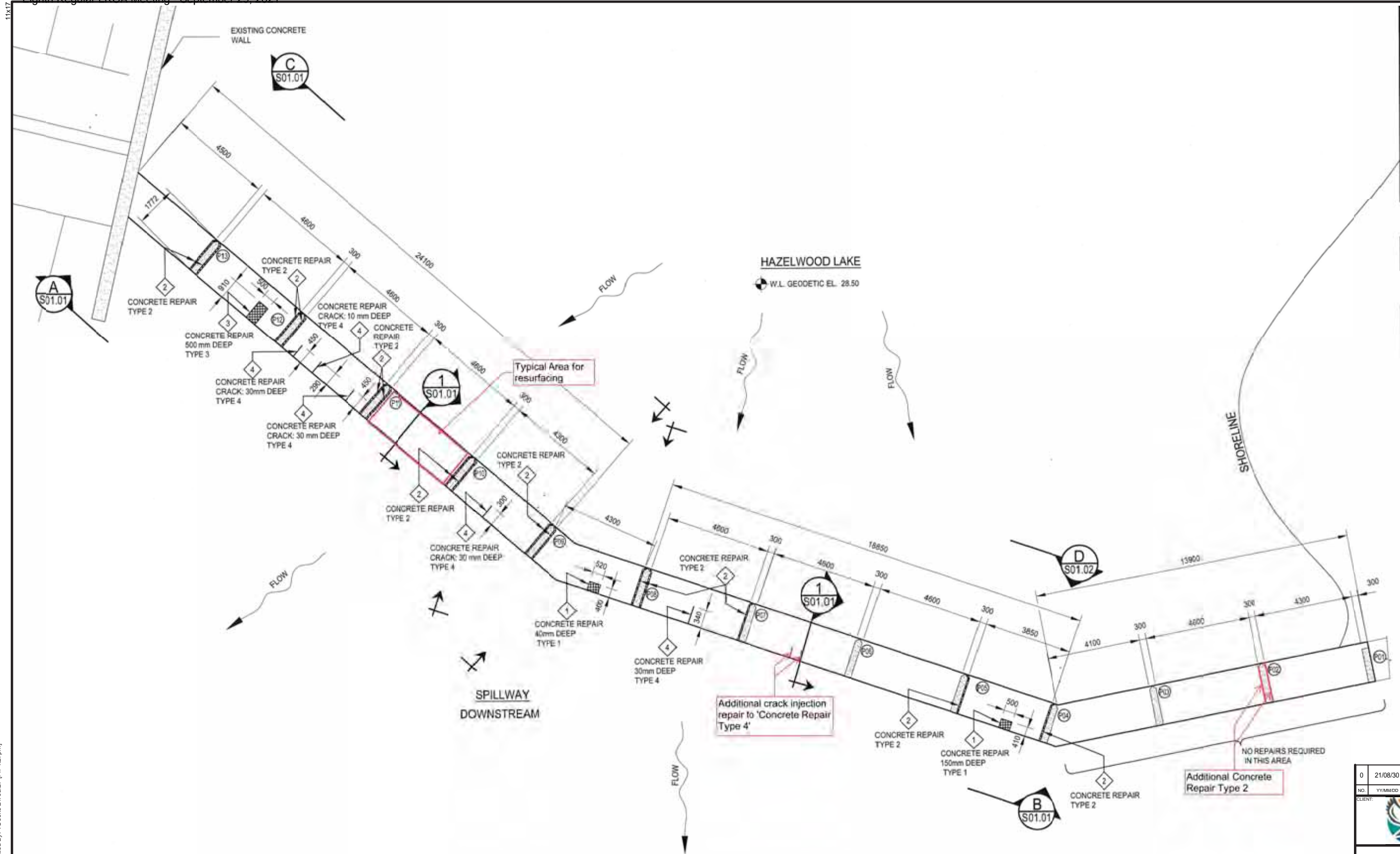
1. Provide cost to modify the sizes to the original repair areas of all 'Concrete Repair Type 2' to match in-situ conditions of scoured concrete (increased height).
2. Provide a cost to cofferdam and provide Type 2 Repair (to modified height) at Pier 02.
3. Provide cost for crack injection repairs to two cracks observed between P06 – P07 as per 'Concrete Repair Type 4' detail.
4. Provide cost per spillway section (assume cofferdam already in place) to resurface the top of the weir. This repair includes chipping 25mm minimum to sound concrete. Where reinforcing exposed, chip to 25mm below existing rebar. Clean rust from rebar. Prepare exposed surface and apply Sikacrete-08 SCC concrete top surface to manufacturers written instructions.

Prepared by the
Consultant:

Kody Roberts, Structural Designer
KGS Group

Monday, August 30, 2021

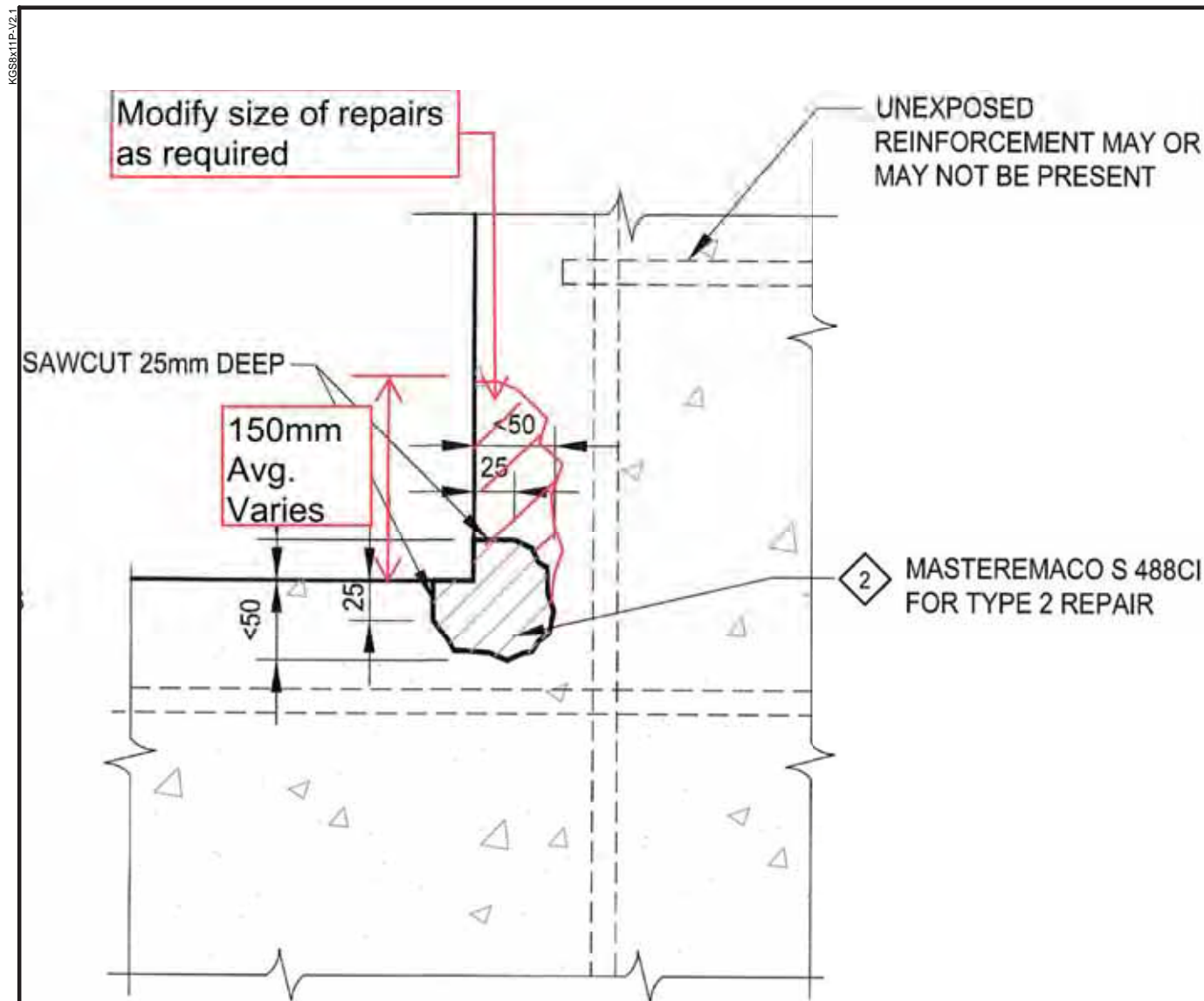
Date



SITE PLAN

SCALE: N.T.S.

0	21/08/30	ISSUED FOR PCN 01		
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK
CLIENT:  LAKEHEAD REGION CONSERVATION AUTHORITY				
HAZELWOOD LAKE DAM REPAIRS				
HAZELWOOD LAKE DAM CONCRETE REPAIRS REVISED SITE PLAN				
	DESIGN BY:	KR	DATE (YYMMDD):	21/08/27
	DESIGN CHECK:		DATE:	
	DRAWN BY:	KR	DATE:	21/08/27
	DWG CHECK:		DATE:	
DWG. NO. FIG. 01				REV: 0



SECTION 'B'-B'

SCALE: 1:5

0	21/08/30	ISSUED FOR PCN 01		
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK
CLIENT:				
 LAKEHEAD REGION CONSERVATION AUTHORITY				
PROJECT:				
HAZELWOOD LAKE DAM REPAIRS				
DWG. DESCRIPTION:				
HAZELWOOD LAKE DAM CONCRETE REPAIRS REVISED SECTION 'B'-B'				
	DESIGN BY:	KR	DATE (YYMMDD):	21/08/27
	DESIGN CHECK:		DATE:	
	DRAWN BY:	KR	DATE:	21/08/27
	DWG CHECK:		DATE:	
DWG. NO.			REV:	
FIG. 02			0	



Change Order #01

Project:	Hazelwood Lake Dam Repairs	Contract:	Hazelwood Lake Dam Repairs
Re:	Additional Concrete Repairs		
To:	Gail Willis, Watershed Manager Lakehead Region Conservation Authority	KGS Project No.:	21-3065-001
Date:	2021-09-20	Client Project No.:	
Distribution:	Tammy Cook – Lakehead Region Conservation Authority Gail Willis – Lakehead Region Conservation Casey Bishop – Tom Jones Corporation Jonathan Buosi – Tom Jones Corporation		Kody Roberts – KGS Group Bryan Skrabek – KGS Group

Details of Change in Work:

- Additional costs for the concrete repairs of only Items 1, 2 and 3 as outlined below. Refer to PCN_01 for detail.
- The additional costs supplied by Tom Jones Corporation (attached) are considered fair & reasonable and are summarized as follows:

Item	Description	Qty	Unit Price	Cost to Project
1&2	Removals of additional concrete at base of Dam piers (Includes 5% Overhead & Profit)	1	\$54,264.62	\$54,264.62
3	Delete Type 4 epoxy crack injection. Sawcut, Chip and patch with MasterEmaco S 488 as per attached pricing (Includes 10% Overhead & Profit)	1	\$1,054.31	\$1,054.31
TOTAL (excluding HST)				\$55,318.93

KGS: 21-3065-001 | September 20, 2021

Impact on Contract Value

☒ Increases ☐ Decreases ☐ No Change

Amount: **\$55,318.93** plus HST

Impact on Contract Schedule

- Contract schedule will be increased by 9 days, extend in water work up to September 30, 2021.

Authorization

September 21/2021
Date

Tammy Cook
Owner (signature)
Tammy Cook (Lakehead Region Conservation Authority)

September 20, 2021
Date

[Signature]
Contractor (signature)
Casey Bishop (Tom Jones Corporation)

September 20, 2021
Date

[Signature]
Consultant (signature)
Bryan Skrabek (KGS Group)



Customer: LRCA

Project: Hazelwood Dam Concrete Repairs

Date Submitted: 09-02-2021

Change Directive No. N/A

RFI No. N/A

TJC Ref. No. TJC.CCO#001.1/2

DESCRIPTION OF WORK:

Item 1 & 2 combined

Removal of additional concrete at the base of all Dam piers, excluding pier 01.

Assumption is only visible rebar will have to be sandblasted

Additional 9 days of work

RENTALS	QTY	RATE	AMOUNT	LABOUR	TRADE	HOURS		RATE	AMOUNT
						REG	PREM		
TRUCK 1/2 TON	9.00	\$99.75	\$897.75						
1 TON	5.00	\$148.50	\$742.50	Superintendent		72.00		\$97.75	\$7,038.00
3 TON									
TANDEM				Removals & cleaning					
SNORKEL LIFT				Labourer		144.00		\$65.02	\$9,362.88
BOOM TRUCK									
WELDING MACH				Forming					
COMPRESSOR	6.00	\$144.38	\$866.28	Carpenter		48.00		\$76.56	\$3,674.88
BOBCAT									
LOADER				Pickup and delivery of materials to site and unload					
MINIHOE / OPERATOR				Labourer		32.00		\$65.02	\$2,080.64
PILE DRIVER									
CRANE				Pour Self Consolidating Concrete					
BACKHOE				Cement Finisher		48.00		\$69.19	\$3,321.12
COMPACTOR									
GENERATOR				Cofferdam install & removal for additional 5 cofferdams					
CHIPPING GUN	6.00	\$37.28	\$223.68	Labourer		175.00		\$65.02	\$11,378.50
CHIPPING GUN	6.00	\$37.28	\$223.68						
CEMENT MIXER	3.00	\$82.50	\$247.50						
TOTAL EQUIPMENT RENTALS			\$3,201.39	TOTAL LABOUR					\$36,856.02
MATERIAL:									
Sikacrete-08 SCC (100 bags)			\$3,000.00						
Forming materials			\$1,200.00						
Cofferdam Materials			\$3,480.00						
Fuel for Cement Mixer			\$20.00						
Fuel for Compressor			\$150.00						
Sand blasting sand			\$71.10						
Concrete cutting blade			\$264.00						
Fuel for vehicles			\$900.00						
Hilti chipping bits			\$480.00						
TOTAL MATERIALS			\$9,565.10	SUB-TOTAL					\$49,622.51
SUB TRADES:									
				OVERHEAD:					
				TOTAL RENTALS				0%	\$0.00
				TOTAL LABOUR				5%	\$1,842.80
				TOTAL MATERIALS				5%	\$478.26
				TOTAL SUB TRADES				5%	\$0.00
				FEE:					
				TOTAL RENTALS				0%	\$0.00
				TOTAL LABOUR				5%	\$1,842.80
				TOTAL MATERIALS				5%	\$478.26
				TOTAL SUB TRADES				5%	\$0.00
TOTAL SUB TRADES			\$0.00	TOTAL CHARGE (HST Extra) =					\$54,264.62



Tom Jones
GENERAL CONTRACTORS
tomjonescorp.com

Customer: **LRCA**Project: **Hazelwood Dam Concrete Repairs**Date Submitted: **09-02-2021**Change Directive No. **N/A**RFI No. **N/A**TJC Ref. No. **TJC.CCO#001.3**

DESCRIPTION OF WORK: Item 3 (modified per site visit on Tuesday Aug 31st) Delete Type 4 epoxy crack injection.
Sawcut, Chip & patch with Masteremaco S 488
No additional time for this work
Original Contract had 5 repairs, an additional 3 cracks were found

RENTALS	QTY	RATE	AMOUNT	LABOUR	TRADE	HOURS		RATE	AMOUNT
						REG	PREM		
TRUCK 1/2 TON	1.50	\$99.75	\$149.63						
1 TON	0.50	\$148.50	\$74.25	Superintendent		15.00		\$97.75	\$1,466.25
3 TON									
TANDEM				Removals & cleaning					
SNORKEL LIFT				Labourer		32.00		\$65.02	\$2,080.64
BOOM TRUCK									
WELDING MACH				Patch Concrete					
COMPRESSOR	4.00	\$144.38	\$577.52	Cement Finisher		8.00		\$69.19	\$553.52
BOBCAT									
LOADER									
MINIHOE / OPERATOR									
PILE DRIVER									
CRANE									
BACKHOE									
COMPACTOR									
GENERATOR									
CHIPPING GUN									
CHIPPING GUN	4.00	\$37.28	\$149.12						
CEMENT MIXER	1.00	\$82.50	\$82.50						
TOTAL EQUIPMENT RENTALS			\$1,033.02	TOTAL LABOUR					\$4,100.41
MATERIAL:									
Masteremaco S488			\$424.00						
TOTAL MATERIALS			\$424.00	SUB-TOTAL					\$5,557.43
SUB TRADES:									
				OVERHEAD:					
				TOTAL RENTALS					0% \$0.00
				TOTAL LABOUR					10% \$410.04
				TOTAL MATERIALS					10% \$42.40
				TOTAL SUB TRADES					10% \$0.00
				FEE:					
				TOTAL RENTALS					0% \$0.00
				TOTAL LABOUR					10% \$410.04
				TOTAL MATERIALS					10% \$42.40
				TOTAL SUB TRADES					10% \$0.00
				CREDITS:					
				Epoxy Injection					(\$5,408.00)
TOTAL SUB TRADES			\$0.00	TOTAL CHARGE (HST Extra) =					\$1,054.31



Tom Jones
GENERAL CONTRACTORS
tomjonescorp.com

Customer: LRCA

Project: Hazelwood Dam Concrete Repairs

Date Submitted: 09-02-2021




Change Directive No. N/A

RFI No. N/A

TJC Ref. No. TJC.CCO#001.4

DESCRIPTION OF WORK: Item 4
Removal of the top layer of concrete (1") and chipping down under each piece of rebar
Sandblasting rebar prior to pouring concrete
Additional 4 days of work per spillway topping repair

RENTALS	QTY	RATE day	AMOUNT	LABOUR	TRADE	HOURS		RATE	AMOUNT
						REG	PREM		
TRUCK 1/2 TON	4.00	\$99.75	\$399.00						
1 TON	1.00	\$148.50	\$148.50	Superintendent		32.00		\$97.75	\$3,128.00
3 TON									
TANDEM				Removals & cleaning top of weir					
SNORKEL LIFT				Labourer		48.00		\$65.02	\$3,120.96
BOOM TRUCK									
WELDING MACH				Forming					
COMPRESSOR	3.00	\$144.38	\$433.14	Carpenter		8.00		\$76.56	\$612.48
BOBCAT									
LOADER				Install					
MINIHOE / OPERATOR				Cement Finisher		32.00		\$69.19	\$2,214.08
PILE DRIVER									
CRANE									
BACKHOE									
COMPACTOR									
GENERATOR									
CORE DRILL									
CHIPPING GUN	3.00	\$37.28	\$111.84						
CEMENT MIXER	1.00	\$82.50	\$82.50						
TOTAL EQUIPMENT RENTALS			\$1,174.98	TOTAL LABOUR					\$9,075.52
MATERIAL:									
Bagged Concrete (0.31m3)			\$840.00						
Fuel for Cement Mixer			\$20.00						
Fuel for Compressor			\$150.00						
Sand blasting sand			\$71.10						
Concrete cutting blade			\$132.00						
Fuel for vehicles			\$300.00						
Hilti chipping bits			\$120.00						
Water for Mixing			\$75.00						
TOTAL MATERIALS			\$1,708.10	SUB-TOTAL					\$11,958.60
SUB TRADES:									
				OVERHEAD:					
				TOTAL RENTALS				0%	\$0.00
				TOTAL LABOUR				5%	\$453.78
				TOTAL MATERIALS				5%	\$85.41
				TOTAL SUB TRADES				5%	\$0.00
				FEE:					
				TOTAL RENTALS				0%	\$0.00
				TOTAL LABOUR				5%	\$453.78
				TOTAL MATERIALS				5%	\$85.41
				TOTAL SUB TRADES				5%	\$0.00
TOTAL SUB TRADES			\$0.00	TOTAL CHARGE (HST Extra) =					\$13,036.96

	
P02-West (no base contract work, suggested modified type 2 repair)	P02-East (no base contract work, suggested modified type 2 repair)
	
P03-West (no base contract work, minor deterioration, suggested fix as we will already be here to fix adjacent areas)	P03-East (no base contract work, minor deterioration, suggested fix as we will already be here to fix adjacent areas)

	
P04-West (no base contract work, suggested modified type 2 repair)	P04-East (base contract, suggested modified type 2 repair)
	
P05-West (base contract, suggested modified type 2 repair)	P05-East (no base contract work, suggested modified type 2 repair)

	
P06-West (no base contract work, suggested modified type 2 repair)	P06-East (no base contract work, suggested modified type 2 repair)
	
P07-West (no base contract work, suggested modified type 2 repair)	P07-East (base contract work, suggested modified type 2 repair, including sand blasting rebar)

	
P08-West (base contract work, suggested modified type 2 repair, including sand blasting rebar at pier "nose")	P08-East (base contract work, suggested modified type 2 repair, including sand blasting rebar)
	
P09-West (base contract work, suggested modified type 2 repair, including sand blasting rebar)	P09-East (base contract work, suggested modified type 2 repair, including sand blasting rebar at pier "nose")

	
P10-West (base contract work, suggested modified type 2 repair)	P10-East (base contract work, suggested modified type 2 repair)
	
P11-West (base contract work, suggested modified type 2 repair)	P11-East (base contract work, suggested modified type 2 repair)

<p>No photo</p>	
	<p>P12-East (base contract work, suggested modified type 2 repair)</p>
	<p>P13-East (base contract work, suggested modified type 2 repair)</p>

**2021 TREASURER'S REPORT
MONTHLY EXPENSES**

	2021 BUDGET	August	TOTAL TO DATE	BALANCE REMAINING
REVENUE				
Provincial Grants	287,047	-	252,336	34,711
Municipal Levy	1,668,402	-	1,668,402	-
Self Generated	213,229	23,426	237,418	24,189
Other Revenue	451,869		93,552	358,317
TOTAL REVENUE	2,620,547	23,426	2,251,708	368,839
EXPENSES				
Core Mandate Operating				
Administration	525,680	32,092	352,483	173,197
Community Relations	115,685	7,030	67,894	47,791
Natural Hazard and Protection Management	631,907	33,403	339,305	292,602
Conservation and Management of Cons. Auth. Lands	204,996	41,332	159,662	45,334
Drinking Water Source Protection	56,107	3,741	35,232	20,875
Total Core Mandate Operating	1,534,375	117,599	954,575	579,800
Non Core Mandate Operating				
Other Programming	382,608	17,588	168,365	214,243
Total None Core Mandate	382,608	17,588	168,365	214,243
Total Core and Non Core Mandate Operating	1,916,983	135,187	1,122,940	794,043
Core Mandate Capital				
Natural Hazard and Protection Management	426,018	291	41,203	384,815
Authority Office	25,200	-	4,879	20,321
Conservation and Management of Cons. Auth. Lands	252,346	316	2,684	249,662
Total Core Mandate Capital	703,564	608	48,766	654,798
Total Operating and Capital	2,620,547	135,794	1,171,706	1,448,841

PROGRAM AREA	POLICY	REPORT NO.	POLICY-PP08-2021
DATE PREPARED	September 20, 2021	FILE NO.	PP-08
MEETING DATE	September 29, 2021		
SUBJECT	National Day for Truth and Reconciliation		

RECOMMENDATION

Suggested Resolution

“THAT: Personnel Policy PP-08: Statutory Holidays be amended to recognize September 30 as the National Day for Truth and Reconciliation.”

LINK TO STRATEGIC PLAN

Govern and Enhance:

- *Increase awareness of Indigenous knowledge and practices for integration into organizational decision-making.*

EXECUTIVE SUMMARY

In recognition of September 30 as the National Day for Truth and Reconciliation, the LRCA office will be closed as a Statutory Holiday. Similar to Remembrance Day, this day will be considered a day off with pay when it falls on a weekday.

DISCUSSION

On June 3, 2021, Bill C-5 received Royal Assent that declared September 30 will become a Federal Statutory holiday known as National Day for Truth and Reconciliation. This day is to honour First Nations, Inuit and Metis survivors and their families and communities and to ensure the public commemoration of their history and the legacy of residential schools remains a vital component of the reconciliation process.

In recognition of the day, the LRCA will be closed to allow staff the opportunity to reflect on the meaning of the day, including recognizing the legacy of residential schools.

Personnel Policy PP-08: Statutory Holidays has been amended to include September 30 as a statutory holiday. Similar to Remembrance Day, this will be considered a day off with pay when it falls on a weekday.

FINANCIAL IMPLICATIONS

None.

CONCLUSION

September 30 will be considered by the LRCA as a Statutory Holiday recognizing the National Day for Truth and Reconciliation.


BACKGROUND

None.

REFERENCE MATERIAL ATTACHED

Updated Personnel Policy PP-08: Statutory Holidays

PREPARED BY: Tammy Cook, CAO

THIS REPORT SIGNED AND VERIFIED BY:  Tammy Cook Chief Administrative Officer	DATE: September 20, 2021
--	-----------------------------



Section:	PERSONNEL		
Title:	PP-08: Statutory Holidays		
Resolution		Approval Date:	
Revisions	Previously Personnel Policy #8, Resolution #12/08 added Family Day, Resolution ##/21 added the National Day for Truth and Reconciliation		

All staff will receive the following statutory holidays off with pay:

1.0 Statutory Holidays:

New Year's Day
 Family Day
 Good Friday
 Easter Monday
 Victoria Day
 Canada Day
 Civic Holiday
 Labour Day
 Thanksgiving Day
 Christmas
 Boxing Day

and such other days as may be authorized by the Board of Directors.

2.0 Remembrance Day

Remembrance Day will be considered a statutory holiday when it falls on a weekday.

3.0 National Day for Truth and Reconciliation

The National Day for Truth and Reconciliation will be considered a statutory holiday when it falls on a weekday.