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Grey Sauble Conservation Authority

Full Authority Minutes Wednesday, February 9th, 2011 – 1:15 p.m.

The Full Authority meeting was held at the Grey Sauble Conservation Authority Administration Centre located on Inglis Falls Road.

1. Call to Order

Chair Hibma called the meeting to order and welcomed Bob Lennox, newly appointed Director from Georgian Bluffs.

Directors Present

Dick Hibma, David Clarke, Judy Gay, Harley Greenfield, Ross Herron, Bob Lennox, Terry McKay, Paul McKenzie, Michael Martin, and Mike Poetker

Director Absent – Peter Lemon

Staff Present

John Cottrill, Doreen Robinson, Doug Hill, Krista McKee, Marg Johnston and Chris Hachey

Media Present

Erika Engel - Meaford Express

2. Approval of Agenda

Motion No.:	Moved by:	Ross Herron
FA-11-017	Seconded by:	Dave Clarke

THAT the Grey Sauble Conservation Authority approve the agenda of February 9th, 2011, with one addition under Business Out of Minutes –Appointments of Committees – Biennial Tour Organizing Committee;

Carried

3. Disclosure of Pecuniary Interest – none at this time

4. Approval of Minutes

- a) Full Authority – January 12th, 2011

Motion No.: **Moved by:** **Mike Poetker**
FA-11-018 **Seconded by:** **Michael Martin**

THAT the Grey Sauble Conservation Authority approve the Full Authority minutes of January 12th, 2011.

Carried

- b) Arboretum Alliance – January 4th, 2011

Motion No.: **Moved by:** **Dave Clarke**
FA-11-019 **Seconded by:** **Ross Herron**

THAT the Grey Sauble Conservation Authority approve the Arboretum Alliance minutes of January 4th, 2011.

Carried

5. Business Out of Minutes

- a) Appointments of Committees

- 1) Conservation Foundation

Motion No.: **Moved by:** **Michael Martin**
FA-11-020 **Seconded by:** **Bob Lennox**

THAT the following individuals be appointed to the Grey Sauble Conservation Foundation for 2011: Kelly Tost, Harley Greenfield, and Mark Wunderlich.

Carried

- 2) Forestry Committee

Motion No.: **Moved by:** **Harley Greenfield**
FA-11-021 **Seconded by:** **Dave Clarke**

THAT the following directors be appointed to the Grey Sauble Conservation Authority Forestry Committee for 2011: Dick Hibma, Ross Herron, Dave Clarke, Bob Lennox, Mike Poetker, Judy Gay, and Terry McKay.

Carried

3) Arboretum Alliance

Motion No.: **Moved by:** **Mike Poetker**
FA-11-022 **Seconded by:** **Judy Gay**

THAT the Grey Sauble Conservation Authority appoint Bill Moses and Rodney Saunders to the Arboretum Alliance for 2011.

Carried

4) Biennial Tour Organizing Committee

Motion No.: **Moved by:** **Mike Poetker**
FA-11-023 **Seconded by:** **Harley Greenfield**

THAT the Judy Gay and Bob Lennox be appointed to the Biennial Tour Organizing Committee for 2011 and 2012.

Carried

The Biennial Tour is being hosted by Grey Sauble Conservation and Saugeen Valley Conservation Authorities September 16th – 19th, 2012.

6. **Correspondence** – nothing at this time

7. **Water Management**

Doug Hill, Director of Operations, presented reports on the following two items.

1) Owen Sound Mill Dam Report

The report is attached to this set of minutes.

Motion No.: **Moved by:** **Harley Greenfield**
FA-11-024 **Seconded by:** **Terry McKay**

That Grey Sauble Conservation Authority proceed with preparation of final design drawings and tender documents for the Owen Sound Mill Dam concrete rehabilitation project, subject to approval of the 2011 budget and receipt of 50% funding from the Ministry of Natural Resources through the Water and Erosion Control Infrastructure program.

Carried

Staff was directed to contact the City of Owen Sound to arrange a meeting with City staff and/or Council to open dialogue with the City on the future of the structure.

2) Haines Dam Report

The report is attached to this set of minutes.

Motion No.:	Moved by:	Michael Martin
FA-11-025	Seconded by:	Terry McKay

**THAT the staff recommendation on the Haines Dam be tabled;
AND FURTHER, THAT staff contact the Town of Blue Mountains to arrange a meeting
with Town staff and/or Council to open dialogue with the Town on the future of the Haines
Dam.**

Carried

b) Environmental Planning

1) Section 28 Permits – January 2011

Motion No.:	Moved by:	Judy Gay
FA-11-026	Seconded by:	Michael Martin

**THAT the list of permits under Ontario Regulation 151/06 – “Development, Interference
with Wetlands and Alterations to Shorelines and Watercourses Regulation”, for the period
January 1st, 2011 to January 31st, 2011, be approved.**

Carried

c) Property Management

1) Indian Falls Land Use Agreement Renewal – Township of Georgian Bluffs

Chris Hachey, Land Management Coordinator, presented the following information on the Indian Falls Conservation Area land use agreement. The Indian Falls land use agreement between the Township of Georgian Bluffs and Grey Sauble Conservation is currently outdated and in need of renewal. The agreement allowed Georgian Bluffs to develop and maintain the former gravel pit area of the property for the purposes of sports fields. The agreement also addresses shared duties and uses of the property such as grass cutting, washrooms maintenance, capital improvements, and taxes.

Recently, Conservation Authority staff and Georgian Bluffs staff along with the Georgian Bluffs Recreation and Property Committee reviewed the existing 1994 agreement. Amendments to the agreement are minor with changes to reflect legal name changes and better define shared duties and uses.

During discussions it was noted that the washroom building at Indian Falls was in poor condition and will be in need of replacement in the near future. The existing facility was built in 1976 and the structure and equipment is aging. The present structure is much larger than what would be needed in today's standards. It was agreed by both parties that a short term strategy will be needed to replace this building.

It was suggested that sports leagues who use the ball diamond and tennis courts be contacted to see if they would like to make a contribution towards the replacement of the existing washroom.

Motion No.:	Moved by:	Michael Martin
FA-11-027	Seconded by:	Judy Gay

THAT the Five Year Land Use Agreement at Indian Falls Conservation Area with the Township of Georgian Bluffs be accepted as presented;
AND, FURTHER THAT both Grey Sauble Conservation and the Township of Georgian Bluffs staff report back to the Board with a strategy to replace the existing washroom.

Carried

Dave Clarke left the meeting at 2:25 p.m.

d) Forestry, Fish, and Wildlife

- 1) Annual Tree Sale – Is being held on Saturday, April 30th, 2011 from 8:00 a.m. to 12:00 noon. Anyone who would like to volunteer, please contact Anne Lennox.

e) Communications/Public Relations

Krista McKee, Community Relations Coordinator, presented information on the following three items.

- 1) 2010 Annual Report

For the past four years, Grey Sauble Conservation has distributed the Annual Report in the daily newspaper "The Sun Times". This has been a very successful way of reaching the watershed residents explaining who we are, what we do, and how we can assist in managing lands.

The distribution is to 12,000 Sun Times subscribers.

The quote from the Owen Sound Sun Times (which is printed in London, Ontario) is

8 Tab Insert		\$1,236.80 plus tax
Full Colour on newsprint 12,000 copies		<u>\$663.77</u>
Distribution in the Sun Times		\$1,900.57
	Tax	\$247.07
	TOTAL	\$2,147.64

17 cents per household

Motion No.: **Moved by:** **Mike Poetker**
FA-11-028 **Seconded by:** **Michael Martin**

THAT the Grey Sauble Conservation Authority proceed with the completion and distribution of the 2010 Annual Report through the Owen Sound Sun Times at a cost of \$2,147.64.

Carried

2) **Wild Water Program**

To date, nine schools have signed up for the Wildwater Program. The program is offered to grades 4 and 5 students attending schools in the Grey Sauble Conservation watershed.

3) **Snow Frolic Adventure – February 26th, 2011**

The Snow Frolic Adventure being held on February 26th, 2011, will host displays and demonstrations from the Singing Dog Sled Team, Bruce Trail, Owen Sound Cross Country Ski Club, Bruce Ski Club, Owen Sound Field Naturalists, Grey Sauble Conservation, SunTrail Outfitters, and Grey Sauble Conservation Foundation. Anyone who would like to volunteer, please contact Krista McKee. Ads promoting the event can be heard on 92.3 The Dock radio station.

f) **Administration**

1) **Receipts and Expenses – January 2011**

Motion No.: **Moved by:** **Harley Greenfield**
FA-11-029 **Seconded by:** **Terry McKay**

THAT the Grey Sauble Conservation Authority approve the receipts and expenses for January 2011.

Carried

2) 2011 Budget Discussions

Terry McKay extended a thank you from the Township of Chatsworth to Grey Sauble Conservation staff. He feels the municipality will support the budget. The levy increase is 2.9% over last year's budget. Judy Gay asked who sets the figures for the calculation of the current value assessment. The figures come from the Ministry of Natural Resources. The Township of Georgian Bluffs Treasurer would like a copy of this document. Harley Greenfield said that as the forestry tenders had come in at a better price that anticipated in 2010, that hopefully that will happen again in 2011. Rates for employment insurance, OMERS, and Workers' Compensation have increased for 2011.

Motion No.: **Moved by:** **Terry McKay**
FA-11-030 **Seconded by:** **Mike Poetker**

THAT the Grey Sauble Conservation Authority circulate the 2011 draft budget to the watershed municipalities for the 30 day review period, with the Grey Sauble Authority Board of Directors voting on the circulated budget at the next Full Authority meeting being held on March 16th, 2011.

Carried

3) 2011 Borrowing Resolution

Motion No.: **Moved by:** **Ross Herron**
FA-11-031 **Seconded by:** **Paul McKenzie**

WHEREAS the Grey Sauble Conservation Authority directors may deem it necessary to borrow a sum of money, up to a maximum of \$400,000.00 to meet the current expenditures of the Authority for the current year (2011), until levies and grants are received; NOW THEREFORE, be it resolved that the signing officers of the Authority are hereby authorized, on behalf of the Authority, to borrow from time to time, by way of promissory note or banker's acceptance, from the Bank of Montreal, a sum or sums not exceeding Four Hundred Thousand Dollars (\$400,000.00) to meet the current expenditures of the Authority for the year, until the levies and grants are collected.

Carried

3) Signing Authorities for Grey Sauble Conservation

During the course of normal business, Grey Sauble Conservation staff participate on a number of committees. In addition, to assist with administrative and financial requirements, signing officers are needed to document activities and expenditures, and to sign purchase orders and cheques. The following is a list of current staff committee appointments and signing officers for

Grey Sauble Conservation. Adjustments need to be made, primarily due to Doug Hill's retirement. The revised list would become effective March 1st, 2011.

<u>Name of Committee</u>	<u>Current Representative</u>	<u>Proposed Representative</u>
Rankin Resource Management	Doug Hill	Chris Hachey
Flood Forecast Group	Doug Hill	John Bittorf
Source Water Planning	Doug Hill	Andy Sorensen
South Georgian Bay Technical Committee	Doug Hill	Andy Sorensen
<u>Signing Officers</u>	<u>Current</u>	<u>Proposed</u>
Section 28 Permits	Doug Hill, John Cottrill	Andy Sorensen, John Cottrill John Bittorf
Financial (cheques)	Doug Hill, Krista McKee Dick Hibma, John Cottrill Dave Clarke	Chris Hachey, Krista McKee Dick Hibma, John Cottrill Dave Clarke

Motion No.: **Moved by:** **Judy Gay**
FA-11-032 **Seconded by:** **Mike Poetker**

THAT effective March 1st, 2011, the signing authorities for Grey Sauble Conservation Authority be changed as follows:

<u>Signing Officers</u>	<u>Current</u>	<u>Proposed</u>
Section 28 Permits	Doug Hill John Cottrill	Andy Sorensen John Cottrill John Bittorf
Financial (cheques)	Doug Hill Krista McKee	Chris Hachey Krista McKee
	Dick Hibma John Cottrill	Dick Hibma John Cottrill
	Dave Clarke	Dave Clarke

Carried

8. In-Camera Items – nothing at this time

9. Chairman's Report

On January 25th, Dick met with Barry Randall who is working on a contract with Maitland Valley Conservation Authority and Huron County with regards to Climate Change Adaptation and how that might translate into employment opportunities and green economy drivers. As Conservation Ontario Chair, on January 28th Dick attended the 60th Annual General Meeting for Lake Simcoe Region Conservation Authority. While there, he met Professor Gary Jones, Chairman of International River Foundation in Australia. (This is an organization that awards the Thiess River Prize which was won by Lake Simcoe Region Conservation Authority.) Professor Jones is very impressed with the Conservation Authority model and how well they function. On February 3rd Dick met with John Cottrill for John's one year performance review.

10. Other Business

- a) Foundation Minutes – December 15th, 2010
- b) Staff Minutes – January 20th, 2011
- c) Drinking Water Source Protection Report
- d) Next Meeting – March 16th, 2011 at 1:15 p.m.

11. Adjournment

The meeting adjourned at 3:40 p.m.

Dick Hibma, Chair

Doreen Robinson, Administrative Assistant

Owen Sound Mill Dam Report February 2011

In 2010 the Authority budgeted \$20,000 to complete some minor concrete repair at the Owen Sound Mill Dam. The repair did not proceed due to the anticipated 50% funding from the Ministry of Natural Resources not being received.

In the fall of 2010, when the gates were removed and the water level was lowered for the winter, a more serious concrete failure was discovered. A piece of concrete abutment between the two main gates below the water line had broken away allowing water to pour through the wall from the upstream side to the downstream side. This could affect the structural stability of the wall that supports the two main control gates on the dam.

In November a structural engineer from Genivar in Owen Sound was called in to look at the problem and asked to provide an estimate on preparing a structural assessment of the concrete on the main control structure of the dam. The estimate was less than the \$10,000 budgeted by the Authority for its 50% share of the original proposed concrete repair work. Genivar was hired to proceed with the assessment at a cost of \$8514 on the understanding that it could be completed by the end of December.

Study Results

An underwater team from ASI group was brought in from St. Catherines to take underwater photos of the concrete structure to supplement the assessment of the concrete above the water. A full documentation of the concrete was done and 6 problem areas were identified. Several of the problems identified were previously unknown and in addition to the hole through the wall that initially prompted the study. Some of these are under water and not normally visible. One of particular concern is a void under the concrete headwall of the dam under water. It is recommended that this be plugged. The hole through the main abutment wall between the two gates will require removal of the steel gate guides which are embedded in the concrete. These will also need to be replaced.

Budget Implications

The estimated cost of all of the repairs outlined in the study report total \$200,000 including engineering design, tender preparation and contract administration. An amount of \$25,000 has been placed in the draft budget for the preparation of final design drawings and tender documents in 2011 with the expectation of budgeting for repair in 2012.

In 2008/2009 a total of more than \$200,000 was spent on repair to the headwall and earth dyke, adjacent to the mill race at the south end of the dam, to stop a leak through the dam that threatened the stability of the mill race control structure.

It is important to remember that the dam is 100 years old and deterioration is ongoing. A report to the board in 2008 indicated that significant ongoing repairs to the dam can be expected. Other issues, including safety railings that do not meet current standards, have yet to be addressed. In 2008 that item alone was identified as requiring an expenditure of approximately \$80,000.

Haines Dam Report February 2011

Background

In 2009 a significant leak through the north dyke at Haines Dam was identified. In consultation with an engineer from the Ministry of Natural Resources it was determined that this leak and the erosion of the dyke that resulted from the flow of water was a major concern for the stability of the structure. In September of 2009 the Board directed staff to request proposals for a 3 stage assessment of the dam. The first stage was an evaluation of the leak through the dam. The second stage was a full engineering assessment of the entire dam and the third was to study the potential for decommissioning and removal of the dam. The cost for stage 1 was \$28,000, the cost for stage 1 and 2 combined was approximately \$60,000 and the cost for stages 1, 2 and 3 combined was approximately \$85,000. At budget time in early 2010 the board determined that only stage 1 should proceed in 2010. Stages 2 and 3 were dropped from the study. Upon receiving a 50% grant on the cost in June of 2010, the firm of Hatch Energy was hired to undertake the Stage 1 study of the leakage problem at a budget of \$28,000. The study was completed in December 2010.

Study Results

The study report identified that water was leaking under a concrete wing – wall on the upstream side of the dam and through the earthen dyke to the downstream side. The flow of water was eroding the soil in the dyke creating a hole through it. The process was accelerating as more soil was washed out and the hole got larger. There is a threat of the dyke failing allowing the river to bypass the end of the dam and eroding the adjacent valley slope leading up to some residential properties. The proposed repair identified in the report involves removal of the dyke, repair to the concrete wall and replacement of the dyke with suitable compacted clay till material. The new dyke would also be protected with rock on the downstream side. The estimated repair cost, including final design, preparation of tender documents, tendering, construction and construction supervision is approximately \$125,000. In October, while the study was underway, the consultant recommended that an inexpensive temporary repair be undertaken to slow the progression of the erosion in the short term. Under their supervision a 300 mm perforated pipe was installed into the downstream side of the dyke to collect some of the water coming through the soil. By collecting the water in the pipe the flow of water through the soil has been reduced and the rate of erosion has been slowed. Gabion stone was placed on the eroded bank to protect the soil surface from erosion and to add weight for stability to the bank. The work was done for less than \$1000.

Budget Implications

The draft budget contains the \$125,000 estimated cost for repair in 2011 subject to 50% grant from the Ministry of Natural Resources through the Water and Erosion Control Infrastructure program. The budget figure was established on the premise that the board's previous direction was to proceed with repair rather than with further stages of the study.

The Authority would be committing to this expenditure without the benefit of a full dam assessment to determine what other costs may be incurred in the future. At this point in time the condition of the remainder of the dam is unknown. Also unknown is the cost of decommissioning and removal of the dam in relation to the current and potential future repair costs which would have been determined if the 3 stage study had been completed. Given the age and general condition of the structure, a further engineering assessment of the entire structure will likely be required in the near future regardless of whether or not the current repair work is done. The current repair is necessary to maintain the structure in the short term. However, it must be recognized that further extensive repair or the possibility of decommissioning and removal of the dam may be necessary in the foreseeable future. The engineer's report did not indicate that the dyke was in danger of imminent failure and the temporary repair has slowed the progression of the erosion. If necessary, the proposed repair could probably be delayed for one year. Given the cost of the repair and the unknown condition of the remainder of the dam it may be prudent to complete the remaining phases of the study in 2011 in order to have the complete picture with respect to possible future costs before committing \$125,000 to the short term problem.

Staff recommended that the Grey Sauble Conservation Authority continue with the completion of stage 2 and 3 of the Haines Dam Study in 2011 at an estimated cost of \$60,000, prior to undertaking repairs to the north dyke, subject to approval of the 2011 budget, and 50% funding from the MNR through the Water and Erosion Control Infrastructure program.