

**Vision:** *The City of Greater Sudbury is a growing, world-class community bringing talent, technology and a great northern lifestyle together.*

**Vision:** *La Ville du Grand Sudbury est une communauté croissante de calibre international qui rassemble les talents, les technologies et le style de vie exceptionnel du Nord.*

# Agenda

## Ordre du jour

**Councillor / Conseiller**  
**Doug Craig**

Chair / Président(e)

**Councillor / Conseiller**  
**Jacques Barbeau**

Vice-Chair / Vice-président(e)



For the	Pour la réunion du
<b>Priorities Committee</b>	<b>Comité des priorités</b>
meeting to be held	qui aura lieu

Wednesday, February 18 <sup>th</sup> , 2009	mercredi 18 <sup>e</sup> février 2009
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**at 6:00 pm à 18h 00**

Council Chamber, Tom Davies Square	dans la Salle du Conseil, Place Tom Davies
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## **PRIORITIES COMMITTEE AGENDA**

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For the 41<sup>st</sup> Priorities Committee Meeting  
to be held on **Wednesday, February 18, 2009**  
**Council Chamber, Tom Davies Square at 6:00 pm**

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**COUNCILLOR DOUG CRAIG, CHAIR**

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**Jacques Barbeau, Vice-Chair**

**(PLEASE ENSURE CELL PHONES AND PAGERS ARE TURNED OFF)**

The Council Chamber of Tom Davies Square is wheelchair accessible. Please speak to the City Clerk prior to the meeting if you require a hearing amplification device. Persons requiring assistance are requested to contact the City Clerks Office at least 24 hours in advance of the meeting if special arrangements are required. Please call (705) 674-4455, extension 2471. Telecommunications Device for the Deaf (TTY) (705) 688-3919. Copies of Agendas can be viewed at [www.greatersudbury.ca/agendas/](http://www.greatersudbury.ca/agendas/).

### **DECLARATIONS OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF**

### **OPENING REMARKS - COUNCILLOR DOUG CRAIG, WARD 9**

## **CITIZEN DELEGATIONS**

1. Blue Green Algae - Friends of McFarlane Lake Stewardship Action Items **8 - 13**  
**(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)**
  - David Young, Brad Bowman and Don Gibson, Members of Steering Committee, Friends of McFarlane Lake Stewardship Group
  - Al McDougall, Sudbury & District Health Unit
  - Charles Ramcharan, Laurentian University

## **COUNCILLOR BRIEFING SESSIONS**

2. Proposed 2009 Ward 9 Capital Improvement Projects  
**(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)**
  - Robert M. Falcioni, P. Eng., Director of Roads and Transportation
  - Nick Benkovich, Director of Water/Wastewater Services

(Electronic presentation to Council outlining proposed 2009 Ward 9 Capital Improvement Projects.)
3. Report dated February 3, 2009 from the General Manager of Infrastructure Services regarding Biosolids Master Plan Update. **14 - 20**  
**(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)**
  - Nick Benkovich, Director of Water/Wastewater Services

(Presentation of the Biosolids Master Plan Environmental Assessment addresses sewage sludge management alternatives required to develop and implement a long-term Biosolids Management Program to provide the City of Greater Sudbury with a plan to handle and dispose of the sludge generated by the wastewater treatment plants over the next 25 years.)

## **POLICY DISCUSSION PAPERS - PRELIMINARY DISCUSSION**

4. Report dated December 11, 2008 from the General Manager of Community Development regarding All Terrain Vehicle (ATV) Advisory Panel Community Consultation Process. **21 - 34**  
**(ELECTRONIC PRESENTATION) (RECOMMENDATION TO BE READ)**
  - David Bolton, Chair, ATV Advisory Panel

(The ATV Advisory Panel was established by Council to review issues and options related to a potential all terrain vehicle by-law for the City of Greater Sudbury. As mandated, the Panel hosted a series of stakeholder and community meetings to gather broad community input. Members of the ATV Advisory Panel will report key findings and recommend that the Panel be directed to work with staff to develop an ATV By-Law for Council's consideration.)

**POLICY DISCUSSION PAPERS - DECISION REQUESTED**

**CORRESPONDENCE FOR INFORMATION ONLY**

**MANAGERS' REPORTS**

**ADDENDUM**

**CITIZEN PETITIONS**

**MOTIONS**

**COMMUNITY INPUT**

**CLOSING REMARKS - COUNCILLOR DOUG CRAIG, WARD 9**

**ADJOURNMENT (9:00 P.M.) (RECOMMENDATION PREPARED)**

***{TWO-THIRDS MAJORITY REQUIRED TO PROCEED PAST 9:00 P.M.}***

Councillor Doug Craig  
Chair

Franca Bortolussi  
Council Secretary

## COMITÉ DES PRIORITÉS ORDRE DU JOUR

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Pour la 41<sup>e</sup> réunion du Comité des priorités  
qui aura lieu le **18 février 2009**  
dans la **Salle du Conseil, Place Tom Davies, à 18h 00**

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### CONSEILLER DOUG CRAIG, PRÉSIDENT(E)

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Jacques Barbeau, Vice-président(e)

**VEUILLEZ ÉTEINDRE LES TÉLÉPHONES CELLULAIRES ET LES TÉLÉAVERTISSEURS)**  
La salle du Conseil de la Place Tom Davies est accessible en fauteuil roulant. Si vous désirez obtenir un appareil auditif, veuillez communiquer avec la greffière municipale, avant la réunion. Les personnes qui prévoient avoir besoin d'aide doivent s'adresser au bureau du greffier municipal au moins 24 heures avant la réunion aux fins de dispositions spéciales. Veuillez composer le 705-674-4455, poste 2471; appareils de télécommunications pour les malentendants (ATS) 705-688-3919. Vous pouvez consulter l'ordre du jour à l'adresse [www.greatersudbury.ca/agendas/](http://www.greatersudbury.ca/agendas/).

### DÉCLARATION D'INTÉRÊTS PÉCUNIAIRES ET LEUR NATURE GÉNÉRALES

### ALLOCUTION D'OUVERTURE - LE CONSEILLER DOUG CRAIG, QUARTIER 9

## **DÉLÉGATIONS DE CITOYENS**

1. Algues bleu-vert dans le lac McFarlane **8 - 13**  
**(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)**
- David Young, Brad Bowman et Don Gibson, membres du comité directeur du groupe d'intendance Friends of McFarlane Lake (amis du lac McFarlane)
  - Al McDougall, Service de santé publique de Sudbury et du district
  - Charles Ramcharan, Université Laurentienne

## **SÉANCES D'INFORMATION DES CONSEILLERS**

2. Projets proposés d'amélioration aux immobilisations du quartier 9 en 2009  
**(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)**
- Robert Falcioni, directeur des Routes et des Transports
  - Nick Benkovich, directeur des Services des eaux et des eaux usées
- (Présentation électronique au Conseil municipal décrivant brièvement les projets proposés d'amélioration aux immobilisations du quartier 9 en 2009)
3. Rapport du directeur général des Services d'infrastructure, daté du 03 février 2009 portant sur Évaluation environnementale du plan de gestion des biosolides. **14 - 20**  
**(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)**
- Nick Benkovich, directeur des Services des eaux et des eaux usées
- (Présentation de l'évaluation environnementale de portée générale sur le plan directeur sur les solutions de rechange en matière de gestion des boues d'épuration relativement à l'élaboration et à la mise en oeuvre d'un programme de gestion des biosolides à long terme pour le traitement durable et l'élimination ou l'utilisation finale des boues d'épuration activées par des déchets.)

## **DOCUMENTS DE TRAVAIL SUR LES POLITIQUES – DISCUSSION PRÉLIMINAIRE**

4. Rapport de la directrice générale des Services de développement communautaire, daté du 11 décembre 2008 portant sur Démarche de consultation communautaire du Groupe consultatif sur les véhicules tout terrain (VTT). **21 - 34**  
**(PRÉSENTATION ÉLECTRONIQUE) (RECOMMANDATION À LIRE)**
- David Bolton, président du Groupe consultatif sur les VTT
- (Le Groupe consultatif sur les VTT a été créé par le Conseil municipal pour se pencher sur les questions et les options relatives à un règlement possible pour régir les véhicules tout terrain dans la Ville du Grand Sudbury. Comme on le lui a demandé, le Groupe a tenu une série de séances avec les parties intéressées et le public pour recueillir les avis dans toute la communauté. Les membres du Groupe consultatif sur

les VTT rendront compte des constatations clés et recommanderont que l'on demande au Groupe de travailler avec le personnel à élaborer un règlement sur les VTT aux fins d'examen par le Conseil municipal.)

## **DOCUMENTS DE TRAVAIL SUR LES POLITIQUES – DEMANDE DE DÉCISION**

## **CORRESPONDANCE À TITRE DE RENSEIGNEMENTS SEULEMENT**

## **RAPPORTS DES GESTIONNAIRES**

## **ADDENDA**

## **PÉTITIONS DE CITOYENS**

## **MOTIONS**

## **COMMENTAIRES DE LA COMMUNAUTÉ**

## **ALLOCUTION DE FERMETURE DE LA CONSEILLER DOUG CRAIG, QUARTIER 9**

## **LEVÉE DE LA SÉANCE À 21 H (RECOMMANDATION PRÉPARÉE)**

***(UNE MAJORITÉ DES DEUX TIERS EST REQUISE POUR POURSUIVRE LA RÉUNION APRÈS 21 h.)***

La Conseiller Doug Craig,  
Président

Franca Bortolussi,  
Secrétaire du conseil



**Request for Recommendation**

**Blue Green Algae - Friends of McFarlane Lake  
Stewardship Action Items**

Presented To:	Priorities Committee
Presented:	Wednesday, Feb 18, 2009
Report Date	Friday, Jan 30, 2009
Type:	Citizen Delegations

**Recommendation**

For Information Only

<b>Signed By</b>
No signatures or approvals were recorded for this report.

# Friends of McFarlane Lake Stewardship Group

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c/o Newsletter Editor – Lin Gibson  
1326 Southlane Road  
Sudbury, Ontario P3G 1N6  
705 522-4777

## **Sudbury City of Lakes – Preserve Our Lake Background for Priorities Committee**

*Meeting of February 18/2009*

### *Friends of McFarlane Lake Stewardship Action Items*

1. McFarlane Lake to be categorized as a unique 'Study Lake'
2. Non Use of Cosmetic Fertilizers for Lawn Care – Formal Resolution to City Council
3. Septic System – Testing, maintenance & inspection
4. Assertive Shoreline Education Visitations and Stronger Advisory Panel Leadership
5. Clean Water Protection Act – More effective inclusion of private water intake from lakes

### **Background & Detail to Action Plan**

#### **1. McFarlane Lake – Study Lake**

Since the early 1950's, McFarlane Lake has been a base of Provincial government activity. Their initial use of the water body began with the introduction of the Lands and Forests fire fighting fleet of airplanes. A facility to house staff along with building maintenance structures was built about the same time. In 1959, the Provincial government went through an extensive project to build a waste water treatment facility on the premises and excavated a sewage line down to the end of Leedale Avenue with the final output of treated sewage expelled into McFarlane Lake. The provincial government facility locally referred to as 'Little Queen's Park' has grown to include many building structures and the regional OPP offices. This facility is managed by the Ontario Realty Corporation and along with their management; our Stewardship committee remains involved with any Ontario Realty Corp. changes or transformations which affect the water body of McFarlane Lake.

In 1969 another large provincial institution (Cecil Facer Youth Centre) was constructed and with a capacity of up to 82 young offenders who are placed in secure custody. A staff population of up to 140 persons works at the facility. The sewage and wastewater from this busy complex is routed through the Ontario Realty Corporations sewage treatment building and thus ending up in McFarlane Lake adding significantly to the nutrient load.

Other influences on our lake come from properties long ago rezoned for Industrial land use. Urethane Elliot Systems – a division of Industrial Products has been located on CKSO Road for

over 25 years. It is understood that the business was recently sold and that the property was under an environmental cleanup order (Golder Associates). A nearby creek flowing into McFarlane Lake exists. Having an industrialized operation that specializes in the use of chemicals to produce plastic and rubber products has been very disconcerting from an environmental standpoint for residents in the area.

St. Christopher Catholic School was built at least 30 years ago in the community along CKSO Road. It is understood that the septic system has been maintained over the years and poses no immediate threat to the watershed in McFarlane Lake.

In the early 1980's, the Ministry of Environment classified McFarlane Lake as an 'at capacity' lake and that future new development would not be approved. McFarlane Lake has higher nutrient levels than many Sudbury area lakes and is affected by intensive housing development in its watershed including the Algonquin secondary watershed. It was one of the first lakes in Northern Ontario to be invaded by an invasive growth of Eurasian milfoil.

The Ministry of the Environment (MOE) had advised the Sudbury & District Health Unit that test results of water samples taken from McFarlane Lake on October 3<sup>rd</sup> and 7<sup>th</sup>, 2008 were positive for the blue green algae (cyanobacteria). The samples appear to have contained a number of species of cyanobacteria which can produce toxins.

During our Stewardship public information meeting of January 22<sup>nd</sup>, 2009 over 150 people from the community attended. Guest speakers provided insight into blue green algae concerns.

Dr. Charles Ramcharan (Professor of Biology at Laurentian University) provided the resident's with a profile of McFarlane Lake as compared to other lakes in the region.

Mr. Al McDougall from the Sudbury & District Health Unit explained the testing methods used by the MOE and provided some facts to residents with concerns about the blue green algae.

Mr. Brad Bowman (Geo Scientist N.A.R. Environmental Consultant) presented a statistical overview of phosphorus levels in McFarlane Lake over the years (1975-2007). Note that McFarlane Lake is a mesotrophic lake. These lakes are commonly clear water lakes with beds of submerged aquatic plants and medium levels of nutrients. These lakes are also characterized by moderate nutrient concentrations such as nitrogen and phosphorous. It is understood that scientifically speaking, mesotrophic lakes are not highly prone to this type of toxic blue green algae. However there were blue green algae readings this past October that are potentially serious problems for McFarlane Lake and other lakes in our watershed.

All speakers agreed that use of cosmetic fertilizers on the lake and throughout the watershed could be contributors to this situation but that other factors such as those mentioned above are concerned items attributing to the lake quality issues.

It was felt at this presentation that the data provided by the MOE test results were ultimately inconclusive because the MOE test results were contradictory.

MOE 2008 Sample Results (two samples taken separately):

Oct 3/08 – dense bloom ELISA index of 93

Oct 7/08 – less dense bloom concentration, ELISA index of 66

Water quality monitoring is an important component of lake stewardship activities. It provides a scientific basis for understanding lake characteristics and how activities around the lake impact water quality. It is fundamental to develop a comprehensive, cost effective rehabilitation plan to

save McFarlane Lake.

THEREFORE, it is the inclination from the Friends of McFarlane Lake Stewardship Group that a Monitoring Program or Study be formed as follows

- \* Establish a Monitoring Working Group composed of Master Students (Laurentian University / Biology) and a team of student volunteers and resident lake volunteers
- \* To determine whether the water is safe to drink; kitchen tap samples should be regularly tested by the Sudbury & District Health Unit
- \* Bi-Weekly assessments of Phytoplankton community taken from the lake
- \* Both of these sampling programs will required direct measurement of toxicants by a laboratory

## **2. Non Use of Cosmetic Fertilizers for Lawn Care**

According to provincial legislation in The Pesticide Act (RSO 1990) and more specifically the revision by the Ontario Government (Chapter P.11) as it relates to the Cosmetic Pesticide Act, municipalities in Ontario are no longer able to process their own bylaws banning use of pesticides/fertilizers. THEREFORE, the Friends of McFarlane Lake Stewardship Group is asking our City Council to request the Ontario Provincial government to pass a resolution supporting regulations dealing with cosmetic use of fertilizer control. This could eventually lead to a prohibition on use of cosmetic fertilizers on properties affecting the watershed.

At the Feb. 18<sup>th</sup> Priorities Committee meeting, Steering Committee members, will formally provide the following resolution to City Council for approval. . We have met with Mr.Ron Swiddle, the City of Greater Sudbury legal counsel, to discuss this motion on February 11/09.

**Whereas** the use of cosmetic fertilizers has a deleterious effect on our watershed, and

**Whereas** over 4% of people in the region of Sudbury take household water directly through private intake, and

**Whereas** the use of cosmetic fertilizers has the potential to encourage the growth of toxic blue-green algae and other negative organisms in the waterways where these private intakes are located

**Therefore be it resolved that the Council of the City of Greater Sudbury request to the Minister of the Environment to make a regulation under the Pesticide Act regulating or prohibiting the sale or use of cosmetic fertilizers in the upcoming provincial regulations dealing with cosmetic pesticides.**

## **3. Septic System for Households affecting the Watershed – Testing, Monitoring & Inspections**

An on-site sewage system is clearly different than city provided sewage disposal lines. The major difference is that the property owner is responsible for the proper maintenance and operation of the septic system. Consequently this brings the issue of responsibility for the environment into people's backyards and homes. The effect of operation and maintenance of septic systems, if done improperly

can extend beyond the backyard and affect public health especially as it relates to our watersheds. The condition of existing septic systems is therefore important for a wide range of reason.

Since 2005, our Stewardship group has provided households in the McFarlane Lake area with articles on the importance of a well maintained septic system in the Newsletter format which is prepared and distributed at least twice a year. Additionally, pamphlets and brochures on the subject of septic systems have been dropped off door to door by volunteers as a welcome package for new homeowners on the lake. We shall continue to provide this type of education to residents however; the effectiveness of a more vigorous maintenance program is required in light of the recent attention to our lake quality.

THEREFORE, the Friends of McFarlane Lake Stewardship Group requests that

a) through the skilled personnel from Sudbury & District Health Unit, education sessions pertaining to proper septic system maintenance are set up in areas that have a high installation of septic systems. This education could be simply setting up information tables with expertise at locations such as the Southridge Mall, South End Library, etc.

b) through SDHU, Mail out's or Door to Door brochures be delivered to homes on septic systems for a more direct campaign and

c) that the City of Greater Sudbury reintroduce the monetary rebate to resident's to encourage them to have their septic holding tanks emptied at the least bi-annually.

#### **4. Assertive Shoreline Vegetation Home Visits – Role of Advisory Panel Reviewed**

Through the City of Greater Sudbury – Lake Quality Program and during the summer months, interns hired by the City have in past years made visits to home's upon request, to discuss proper shoreline vegetation practices.

In light of the 2008-2009 lake quality issues, our Stewardship group feels that this program could be more effective. A more aggressive home shoreline visit program would help by adding the much needed education regarding vegetation buffers along the shoreline and the important role it can play in lake quality. Our Stewardship volunteers would be willing to work alongside the City summer staff to encourage as many residents to participate in this viable education program.

Additionally, our Stewardship committee feels that the role of the Greater Sudbury Lake Advisory Panel as appointed by City Council has not been effective with our Stewardship issues and concerns. The mission statement for this Panel is to serve as a watchdog on behalf of all citizens in the community and actively promote and protect the ecological health of the lakes within the City of Greater Sudbury through: social and scientific research, public education, policy advocacy, community partnerships, and strategic community initiatives THEREFORE, it is our feeling that a panel that can provide better direction, leadership and effectiveness is outstanding and that City Council needs to re-evaluate the roles of this Advisory Panel.

#### **5. Drinking Water Source Protection Act**

The majority of residents on McFarlane Lake have a private intake from the lake for their household water use. Through easements, a fair number of roadside residents also get their household water through private intakes taking in lake water. The remainder of residential homes have private wells.

As a result of the warning issued October 10, 2008 by the Sudbury & District Health Unit after test results from the MOE for blue green algae were released, have signaled residents and the Stewardship group to ask our various government representatives to prioritize the provision in any one of these 'Acts'.

THEREFORE, the expectation will be that through the City of Greater Sudbury Councilors and NDCA, higher prioritization is used to address in writing to the Ministry of Environment, emphasis for the inclusion of 'private water intake' under the Drinking Water Source Protection Act for Clean Water...

For information purposes, under the Drinking Water Source Protection Act there are numerous 'Acts' pertaining to drinking water. Listed below are a brief summary of 'Acts' as they pertain to private resident's drinking water:

- Clean Water Act – drinking water source protection (municipal systems & other systems)
- Safe Drinking Water Act – regulation of municipal & private drinking water systems, etc)
- Environmental Protection Act – spills, discharge that may cause adverse effects & MISA regulations
- Health Protection & Promotion Act – regulation of municipal & private drinking water systems and small drinking water systems.
- Ontario Water Resources Act-dealing with wells, sewage works >10,000L/day, safeguarding & sustaining Ontario's Water Act

**Presented by the Friends of McFarlane Lake Stewardship Group**

**'Steering Committee' PRESENTORS:**

**David Young 523-6846**

**Don Gibson 522-4777**

**Brad Bowman 522-7858**



**For Information Only**  
**Biosolids Master Plan Update**

Presented To:	Priorities Committee
Presented:	Wednesday, Feb 18, 2009
Report Date	Tuesday, Feb 03, 2009
Type:	Councillor Briefing Sessions

**Recommendation**

For Information Only

**Finance Implications**

The funding for the consultants was approved in the 2008 Capital Budget.

Report attached.

Signed By

**Report Prepared By**  
Nick Benkovich  
Director of Water/Wastewater Services  
*Digitally Signed Feb 12, 09*

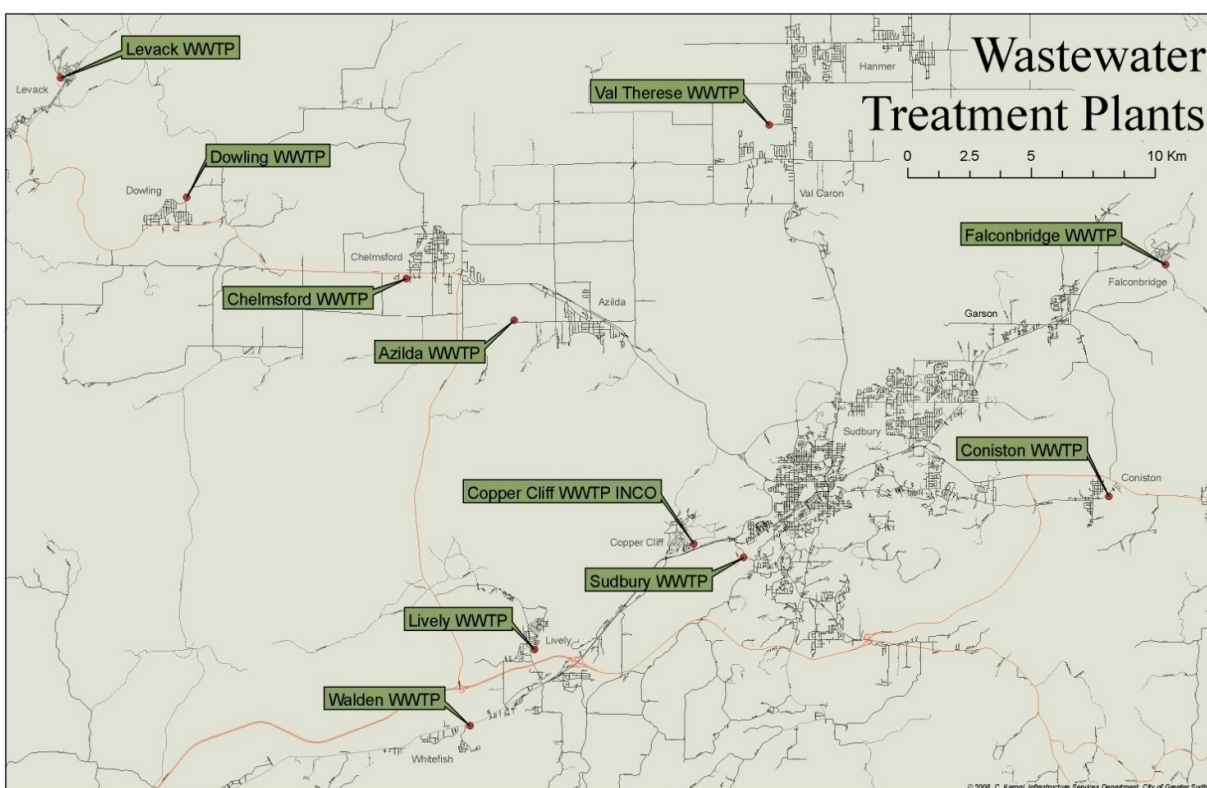
**Division Review**  
Nick Benkovich  
Director of Water/Wastewater Services  
*Digitally Signed Feb 12, 09*

**Recommended by the Department**  
Greg Clausen, P.Eng.  
General Manager of Infrastructure Services  
*Digitally Signed Feb 12, 09*

**Recommended by the C.A.O.**  
Doug Nadorozny  
Acting Chief Administrative Officer  
*Digitally Signed Feb 12, 09*

The purpose of this report is to provide an update on the general progress toward the development of a strategy for the long term sustainable disposal solution for waste activated sludge (sludge) generated as a by-product from the City's nine (9) wastewater treatment facilities as shown below.

In addition, nearby wastewater facilities such as the Vale Inco Copper Cliff wastewater plant, Espanola wastewater plant and Blind River wastewater plant also use the Vale Inco tailings pond for their sludge disposal.



Each and every day, as a result of our routine treatment of wastewater, City facilities generate 14 -19 transport tankers of sewage sludge requiring disposal.

For over 30 years, the preferred method for sewage sludge disposal has been to thicken the sludge and incorporate it into the tailings disposal operation at Vale Inco tailings area near Lively. Despite the occasional flare up of odour over the years, this disposal system provided an inexpensive and effective sludge disposal method for the City and several neighbouring municipalities and continued to be the preferred disposal option until recently.

During 2005 and again in 2007, sewage sludge odour episodes related to this method of disposal became more severe and longer in duration and consequently it became apparent to the public, Inco, the MOE and the City that this legacy disposal solution could no longer remain as an acceptable disposal solution.

In response to these odour events, short term strategies were developed to manage the odours while a permanent disposal solution was being planned and implemented. Despite the best efforts of everyone involved, odour issues were not totally eliminated by these short term strategies. This reinforced the need to move as quickly as possible to implement an effective long term permanent solution.

In 2007, driven by community concerns and Vale Inco's request to relocate the sludge disposal operation off their property, the City committed to develop and implement a permanent solution which would eliminate the current disposal location and methods as quickly as possible and a very ambitious target date of the end of 2010 was established.

In 2008, the City undertook a comprehensive study to determine the preferred direction for the range of acceptable biosolids treatment and disposal solutions. This study, called a Biosolids Master Plan Environmental Assessment (EA) which followed a regulated process designed to promote transparency and public involvement has now been completed. The general direction of the study was to look for technologies which are capable of producing a 'beneficial use' end product.

During the EA Study, available potential technologies were reviewed using key evaluation criteria such as:

1. Protection of the environment, workers, and public health;
2. Public Acceptance;
3. Economic sustainability;
4. Odour control;
5. Operational ease & reliability

The EA Study investigated two (2) main issues:

1. Planning Alternatives

These alternatives would seek to answer the question: What is the preferred location for bio-solids treatment facility?

2. Technical Alternatives

These alternatives would answer the question: What types of technologies will satisfy the evaluation criteria?

The EA Study which was completed in September of 2008 evaluated multiple locations and over twenty (20) alternative technologies to eliminate unsuitable options and ensure treatment technologies were in compliance with the key criteria.

The general conclusion of the study indicates there remains a relatively wide range of possible solutions using various technologies capable of producing a 'beneficial use' and marketable end-product from a new treatment facility built on the site of the Sudbury Wastewater Treatment Plant that would satisfy the key criteria and could be implemented within the time frame available.

The following specific key recommendations resulted from the EA Study include:

1. Construct a centralized Biosolids Treatment facility at the existing Sudbury Kelly Lake WWTP;
2. Incorporate technologies such as ATTAD™, Nviro™, and Shwing Bioset™ or other similar technologies that produce a marketable product as part of the treatment solution;

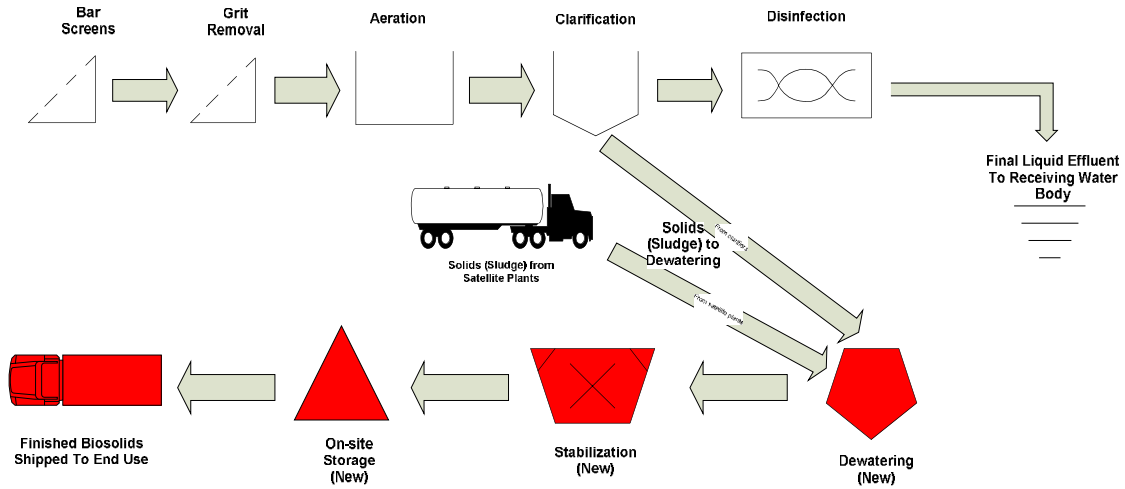
It should be noted at this point that while these three (3) technologies have been evaluated and are capable of meeting the requirements of the City, there are other technologies which may also meet our requirements. The City will actively encourage via public advertisements, any other technical proponents to make submissions to the City at the appropriate stage of the selection process.

3. Develop a Nutrient Management Strategy for the end use strategy as required by Provincial Regulation.

The EA Study sets the stage for the next steps in the process of selecting and implementing the long term solution.

The following schematic diagram represents a typical wastewater treatment flow process including with screening, grit removal, aeration process, clarification and disinfection. The diagram also shows the new components which are needed to dewater and stabilize (or treat) the solids sludge and convert it to biosolids. Other ancillary works to power the new processes and incorporate these systems into the existing plant infrastructure system (such as piping) are also required.

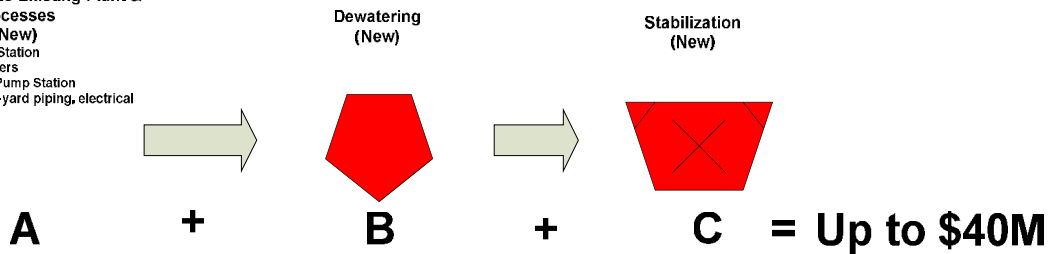
### Wastewater Process Elements Including Bio-solids Treatment



This second diagram takes a closer look at the new components and some of the major plant retrofits needed to move to biosolids treatment.

### Wastewater Process Elements Including Bio-solids Treatment

- Modifications to Existing Plant & Processes (New)**
- Sludge Transfer Station
  - Sludge Tank Covers
  - Recycle Stream Pump Station
  - Plant Upgrades –yard piping, electrical etc



Also included is the preliminary cost estimate to design, purchase, and implement these new processes which could total about \$40 million (in 2008 dollars) as determined in the recently completed EA Study. Although the study report has provided a very preliminary cost estimate of the value of the new components, the financial exposure or expected contribution from the City is difficult to determine at this time as City staff are still exploring several options to limit the City's financial exposure.

In recognition of these potentially large capital implications for the City, staff will examine the following cost containment measures.

Firstly, we will determine if this project qualifies for federal and/or provincial funding programs. Full biosolids treatment is most certainly an environmentally friendly initiative which represents an environmental improvement that should qualify the project for such funding. It is our anticipation that funding support from both the federal and provincial governments will lessen the impact on our residents.

This project is unique in that the new facility may produce a 'beneficial use' marketable end-product. This will provide an opportunity for the City to explore alternative construction models that make use of private sector partners to further minimize the City's capital contribution.

Through the use of alternative construction methodologies such as Design/Build or Design/Build/Operate (DBO) or even Design/Build/Operate and Finance (DBOF), private sector partners interested in acquiring the rights to market the end product for profit may wish to enter into a partnership with the City to construct the facility and operate it for a defined period of time. This would put the City in a position to negotiate an agreement with the proponent to minimize the City's capital contribution.

We are interested in exploring several potential advantages for the City in using the DBO or other similar models for this project. Proponents of this model indicate that better construction quality is achieved be under the DBO model because the constructor of the facility will also be operating what they have built. Further, since consistent operation of the new facility is critical to successfully meet environmental, regulatory, and community objectives, operational expertise with these new processes from an experienced private sector partner is critical in achieving our goals.

Exploring the possibility of obtaining federal/provincial funding and examining the potential for a private sector partnership may compromise the City's ability to meet the original timelines for project completion of 2010. Despite the advantages of the Design/Build/Operate construction model, the additional preliminary planning and negotiation associated with the model is likely to involve extra lead time. City staff has made arrangements for approvals from Vale Inco to extend the project completion date if necessary to allow for a full examination of these complex financial issues.

The next steps toward the implementation of full biosolids treatment include finalizing arrangements for the administration of the project. The City intends to utilize the services of both a technical (Engineering) consultant as well as a financial consultant. Both of these firms will be hired by issuing a Request for Proposal through a competitive process as per the City's Purchasing By-law.

Under the direction of City staff, the role of the technical consultant will be to:

- 1) Develop and issue an expression of interest to solicit interest from technology providers and to short list the potential solutions; including those considered as part of the EA Study.
- 2) Develop and issue the technical Request for Proposals for a design / build / operate model solution;
- 3) Facilitate the final technical evaluations of the proposals by teams of City staff.

In addition to retaining a Technical Consultant, because of the potential for a private sector partnership requiring negotiations and for an in-depth financial analysis of the business case, City staff plan to hire a Financial Project Consultant through a competitive process as per the City's Purchasing By-law.

Under the direction of City staff, the role of the Financial Project Consultant will be to:

- 1) Confirm the financial assumptions and analysis undertaken in the initial EA Study;
- 2) Facilitate final financial evaluations of the proposals by City staff;
- 3) Confirm the business case for the design/build/operate model and counsel City staff with respect to potential negotiations with the DBO proponent.

Council can expect to see staff recommendations for awards of the Request for Proposals for both the technical and financial consultants in the near future.

To thoroughly review all of the various technical and financial alternatives, staff is proposing the creation of a Technical Steering Committee (TSC) to develop, review, and recommend the preferred alternative to Council. The TSC would include representation from members of Council and would act oversee all phases of the project and could continue into the operational phase, if necessary. The TSC would also participate in regular Council and public updates.

Once the technical and financial evaluations of the proposals are completed, and the results of efforts to qualify for federal/provincial funding are known, the extent of the City's financial contribution will be defined more clearly. At this point the recommended funding strategy will be defined and a staff recommendation brought forward for the consideration of Council.

Following Council authorization of the final selection of the project proponent, a detailed design and project execution plan will then be developed and made available.

City Staff will be available at the Council meeting to answer any questions.

## Policy Discussion Papers - Preliminary Discussion



### Request for Recommendation

#### All Terrain Vehicle (ATV) Advisory Panel Community Consultation Process

Presented To:	Priorities Committee
Presented:	Wednesday, Feb 18, 2009
Report Date	Thursday, Dec 11, 2008
Type:	Policy Discussion Papers - Preliminary Discussion

### Recommendation

WHEREAS the ATV Advisory Panel has been mandated to host a series of public meetings to gather broad community input and report key findings and recommendations back to City Council regarding a potential All Terrain Vehicles By-Law for the City of Greater Sudbury; and

WHEREAS through the community consultation process it is evident that there is public support for the development of an ATV by-law; and

WHEREAS it is the recommendation of the ATV Advisory Panel that the development of an ATV by-law would address issues relating to unauthorized land use, speeding and noise; and

WHEREAS the Constellation City Report recommends the development of a comprehensive by-law to govern the use of ATVs;

THEREFORE let it be resolved that staff be directed to work with members of the ATV Advisory Panel to draft an All Terrain Vehicle by-law, addressing the concerns and issues identified during the community consultation process, for the Priorities Committee's review and consideration.

#### Signed By

##### Report Prepared By

Jeff Pafford  
Community Development Coordinator  
*Digitally Signed Feb 11, 09*

##### Division Review

Real Carre  
Director of Leisure , Community and  
Volunteer Services  
*Digitally Signed Feb 11, 09*

##### Recommended by the Department

Catherine Matheson  
General Manager of Community  
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*Digitally Signed Feb 11, 09*

##### Recommended by the C.A.O.

Doug Nadorozny  
Acting Chief Administrative Officer  
*Digitally Signed Feb 12, 09*

## **Policy Implications**

The Highway Traffic Act (Ontario Regulation 316-03, Section 191.8) states that the Council of any municipality may pass by-laws permitting the operation of off-road vehicles with three or more wheels and low pressure bearing tires on any highway within the jurisdiction of the municipality, or any part or parts of any such highway. The Highway Traffic Act also allows individual municipalities to prescribe lower rates of speed and to specify the season ATVs are permitted, as well as the hours of day ATVs are permitted through the development of a by-law.

There is no current by-law in place specifically regulating the use of ATVs in the City of Greater Sudbury.

## **Background**

The Priorities Committee of Council at its August 8, 2007 meeting recommended the creation of an ATV Advisory Panel to review issues and options related to a potential all terrain vehicle by-law for the City of Greater Sudbury.

The Panel was mandated to host a series of public meetings to gather broad community input and report key findings and recommendations back to City Council.

At the Nomination Committee of Council meeting on October 10, 2007 a recommendation was passed that Councillors Barbeau and Thompson, Cory Smith and David Bolton representing the North Simcoe ATV Club/Greater Sudbury Chapter and Robert Hanson, Robert Jones and Jean Roy representing the community at large be appointed to the All Terrain Vehicles Advisory Panel for the term ending November 30, 2010.

To assist the ATV Advisory Panel the following resource members were identified to support the group:

- Bryan Gutjahr (By-law Enforcement)
- David Kivi (Traffic & Transportation)
- Sgt Gary Lavoie (Greater Sudbury Police Services)
- Eleethea Marson (Greater Sudbury Development Corporation)
- Jeff Pafford (Community Development Department)

At the inaugural meeting of the All Terrain Vehicles Advisory Panel held January 31, 2008, David Bolton was appointed Chair.

## **Community Consultation Process**

As mandated the ATV Advisory Panel organized and promoted a series of public consultation meetings. Approximate attendance for the meetings were as follows:

<b>Location</b>	<b>Date</b>	<b>Attendance</b>
Onaping Community Centre (Onaping)	September 8, 2008	50
Lionel E. Lalonde Centre (Azilda)	September 11, 2008	45
Capreol Community Centre (Capreol)	September 15, 2008	35
Tom Davies Square (Sudbury)	September 18, 2008	3
Coniston Community Centre (Coniston)	September 25, 2008	30
Centennial Community Centre (Hanmer)	September 29, 2008	50
T.M. Davies Community Centre (Lively)	October 2, 2008	10

As part of each meeting, members of the ATV Advisory Panel provided attendees an overview of the Highway Traffic Act and its implications for ATVs, a review of local ATV developments and identified issues an ATV by-law could potentially deal with. Following the presentation at each meeting individuals were invited to complete a questionnaire, identify roads in their area where ATVs should or shouldn't travel and identify potential ATV destinations and trail opportunities.

In addition to the public meetings conducted, members of the ATV Advisory Panel also met with the following key stakeholders:

- Sudbury Trail Plan
- Rainbow Routes Association
- Community Action Networks
- Sudbury Tourism Partners

Individuals not able to attend one of the public meetings were encouraged to provide their feedback at the City of Greater Sudbury website by completing an online version of the questionnaire. There were over 120 questionnaire's completed online.

Of the 272 respondents completing the questionnaire (both in person and online) 84% indicated that they were in support of the use of public roads by ATVs.

The main issues raised during stakeholder and community meetings were:

- speed of ATV's using roads
- noise of ATV's
- drivers without proper licence or insurance
- unauthorized use of private land

The complete report with responses is attached for information.

Dave Bolton, Chair of the ATV Advisory Panel, will provide a more detailed review of the issues raised during the community consultation process as part of the Priorities Presentation and will explain how a potential ATV by-law could address these issues.

## **Next Steps**

The ATV Advisory Panel is requesting to work with City of Greater Sudbury staff, the Greater Sudbury Police Services and other key stakeholders to draft an ATV by-law to be brought to City Council for review and consideration at a later date.

ATV Advisory Panel Community Consultation Questionnaire

1. In what language would you like to take the survey? En quelle langue désirez-vous répondre au présent sondage?			
		Response Percent	Response Count
English/Anglais	<div><div></div></div>	98.2%	267
French/Français	<div><div></div></div>	1.8%	5
	answered question		272
	skipped question		0

2. In what ward do you reside? (Check One)			
		Response Percent	Response Count
Ward 1 (West End, Gatchell, Copper Park, Robinson, Moonglo)	<div><div></div></div>	2.4%	6
Ward 2 (Walden, Copper Cliff)	<div><div></div></div>	4.8%	12
Ward 3 (Chelmsford, Onaping Falls)	<div><div></div></div>	22.4%	56
Ward 4 (Azilda, Elm West, Donovan)	<div><div></div></div>	8.8%	22
Ward 5 (Val Caron, Blezard Valley, Cambrian Heights, McCrea Heights)	<div><div></div></div>	7.6%	19
Ward 6 (Val Therese, Hanmer)	<div><div></div></div>	19.6%	49
Ward 7 (Garson, Falconbridge, Capreol, Skead)	<div><div></div></div>	12.0%	30
Ward 8 (New Sudbury, East of Barrydowne Road)	<div><div></div></div>	3.2%	8
Ward 9 (Coniston, Wahnapiatae, Wanup, Broder Township)	<div><div></div></div>	8.0%	20
Ward 10 (Lockerby, Lo-Ellen, University Area, Kingsmount, Bell Park, Downtown - South of Elm Street)	<div><div></div></div>	2.8%	7
Ward 11 (Minnow Lake, New Sudbury-West of Barry Downe Road, South of Lasalle Blvd)	<div><div></div></div>	3.2%	8
Ward 12 (Flour Mills, Downtown North)			

of Elm Street, New Sudbury-East of Rideau Street, West of Barrydowne Road & North of Lasalle Blvd)	<div><div></div></div>	1.2%	3
Not a resident of the City of Greater Sudbury	<div><div></div></div>	4.0%	10
	answered question		250
	skipped question		22

3. What is your age range? (Check one)			
		Response Percent	Response Count
Under 18	<div><div></div></div>	2.4%	6
18-25	<div><div></div></div>	11.2%	28
26-35	<div><div></div></div>	11.6%	29
36-45	<div><div></div></div>	26.0%	65
46-55	<div><div></div></div>	23.2%	58
Over 55	<div><div></div></div>	25.6%	64
	answered question		250
	skipped question		22

4. What is your gender?			
		Response Percent	Response Count
Male	<div><div></div></div>	86.8%	217
Female	<div><div></div></div>	13.2%	33
	answered question		250
	skipped question		22

5. Do you support the use of public roads for ATVs?			
		Response Percent	Response Count
Yes	<div><div></div></div>	90.4%	226
No	<div><div></div></div>	9.6%	24
answered question			250
skipped question			22

6. Under what circumstances would you support the use of public roads by ATVs?			
		Response Percent	Response Count
To cross at 90 degrees to access trails	<div><div></div></div>	42.2%	105
To travel along to connect to trails	<div><div></div></div>	80.3%	200
To use any road, at any time	<div><div></div></div>	25.7%	64
Status quo (no access to roads)	<div><div></div></div>	4.4%	11
answered question			249
skipped question			23

7. What concerns do you have with the use of ATVs on City of Greater Sudbury roads?			Response Count
			107
answered question			107
skipped question			165

8. What type of activity do you want trails for? (Check one or more)			
		Response Percent	Response Count
Recreation	<div><div></div></div>	95.8%	230
Hunting	<div><div></div></div>	69.2%	166
Fishing	<div><div></div></div>	74.6%	179
Transportation	<div><div></div></div>	42.5%	102
Other (please specify)			15
	<b>answered question</b>		<b>240</b>
	<b>skipped question</b>		<b>32</b>

9. Do you currently use any trails in your area? If so, Which ones?			
		Response Percent	Response Count
No, I do not currently use any trails in my area	<div><div></div></div>	12.3%	30
Private Land	<div><div></div></div>	45.7%	111
Crown Land	<div><div></div></div>	80.7%	196
OFSC Trails	<div><div></div></div>	56.0%	136
Other (please specify)			23
	<b>answered question</b>		<b>243</b>
	<b>skipped question</b>		<b>29</b>

10. What do you like or dislike about the trails you use? (E.g. trail surface, width of trail, length, location etc)		
		Response Count
		136
	<b>answered question</b>	<b>136</b>
	<b>skipped question</b>	<b>136</b>

11. Please provide any input you feel may be of help to the development and promotion of an ATV By-Law in Greater Sudbury:		
		Response Count
		118
	<i>answered question</i>	118
	<i>skipped question</i>	154

12. Please provide any other input you feel may be of help to the development and promotion of trails in Greater Sudbury:		
		Response Count
		65
	<i>answered question</i>	65
	<i>skipped question</i>	207

13. Would you be interested in becoming a part of a local trail organization in your area?			
		Response Percent	Response Count
Yes	<div><div></div></div>	48.0%	120
No	<div><div></div></div>	52.0%	130
	<i>answered question</i>		250
	<i>skipped question</i>		22

14. Dans quel quartier habitez-vous? (Cochez une réponse.)			
		Response Percent	Response Count
Quartier 1 (West End, Gatchell, Copper Park, Robinson, Moonglo)		0.0%	0
Quartier 2 (Walden, Copper Cliff)		0.0%	0
Quartier 3 (Chelmsford, Onaping Falls)		0.0%	0
Quartier 4 (Azilda, rue Elm Ouest, Donovan)		0.0%	0
Quartier 5 (Val Caron, Blezard Valley, Cambrian Heights, McCrea Heights)	<div><div></div></div>	33.3%	1
Quartier 6 (Val Thérèse, Hanmer)	<div><div></div></div>	33.3%	1
Quartier 7 (Garson, Falconbridge, Capreol, Skead)	<div><div></div></div>	33.3%	1
Quartier 8 (Nouveau-Sudbury, à l'est du chemin Barrydowne)		0.0%	0
Quartier 9 (Coniston, Wahnapiatae, Wanup, canton de Broder)		0.0%	0
Quartier 10 (Lockerby, Lo-Ellen, secteur de l'université, Kingsmount, parc Bell, centre-ville – au sud de la rue Elm)		0.0%	0
Quartier 11 (Minnow Lake, Nouveau-Sudbury- à l'ouest du chemin Barrydowne, au sud du boul. Lasalle)		0.0%	0
Quartier 12 (Moulin à fleur, centre-ville – au nord de la rue Elm, Nouveau-Sudbury - à l'est de la rue Rideau, à l'ouest du chemin Barrydowne et au nord du boul. Lasalle)		0.0%	0
Non-résident de la Ville du Grand Sudbury		0.0%	0
	answered question		3
	skipped question		269

15. Dans quel groupe d'âge vous situez-vous? (Cochez une réponse.)			
		Response Percent	Response Count
Moins de 18 ans		0.0%	0
18-25 ans		0.0%	0
26-35 ans		0.0%	0
36-45 ans	<div></div>	33.3%	1
46-55 ans	<div></div>	33.3%	1
Plus de 55 ans	<div></div>	33.3%	1
answered question			3
skipped question			269

16. Quel est votre sexe?			
		Response Percent	Response Count
Masculin	<div></div>	100.0%	3
Féminin		0.0%	0
answered question			3
skipped question			269

17. Appuyez-vous l'utilisation des chemins publics par les VTT?			
		Response Percent	Response Count
Oui	<div></div>	100.0%	3
Non		0.0%	0
answered question			3
skipped question			269

18. En quelles circonstances, appuieriez-vous l'utilisation des chemins publics par les VTT?			
		Response Percent	Response Count
Pour les traverser à 90 degrés pour accéder aux pistes		0.0%	0
<b>Pour les longer pour se rendre d'une piste à l'autre</b>	<div><div></div></div>	<b>100.0%</b>	<b>3</b>
Pour utiliser tout chemin, en tout temps		0.0%	0
Statu quo (aucun accès aux chemins)		0.0%	0
	<b>answered question</b>		<b>3</b>
	<b>skipped question</b>		<b>269</b>

19. En quoi l'utilisation des chemins publics de la Ville du Grand Sudbury par les VTT vous préoccupe-t-elle?		
		Response Count
		0
	<b>answered question</b>	<b>0</b>
	<b>skipped question</b>	<b>272</b>

20. Pour quel genre d'activité désirez-vous des pistes? (Cochez une ou plusieurs réponses.)			
		Response Percent	Response Count
Loisirs	<div><div></div></div>	50.0%	1
Chasse	<div><div></div></div>	50.0%	1
<b>Pêche</b>	<div><div></div></div>	<b>100.0%</b>	<b>2</b>
Transport		0.0%	0
Autre (Veuillez préciser.)			0
	<b>answered question</b>		<b>2</b>
	<b>skipped question</b>		<b>270</b>

21. Utilisez-vous actuellement des pistes dans votre secteur? Si oui, lesquels?			
		Response Percent	Response Count
Non, je n'utilise actuellement aucune piste dans mon secteur.		0.0%	0
Terres privées		0.0%	0
Terres de la Couronne	<div><div></div></div>	100.0%	2
Des pistes de l'OFSC	<div><div></div></div>	50.0%	1
Autre (Veuillez préciser.)			0
answered question			2
skipped question			270

22. Qu'est-ce que vous aimez ou n'aimez pas au sujet des pistes que vous utilisez (p. ex. la surface de la piste, sa largeur, sa longueur, son emplacement)?		
		Response Count
		1
	answered question	1
	skipped question	271

23. Veuillez donner tout commentaire ou suggestion qui, selon vous, pourrait être utile à l'élaboration et à la promotion d'un règlement régissant les véhicules tout terrain dans le Grand Sudbury :		
		Response Count
		1
	answered question	1
	skipped question	271

24. Veuillez donner tout autre commentaire ou suggestion qui, selon vous, pourrait aider l'aménagement et la promotion de pistes dans le Grand Sudbury :		
		Response Count
		1
	<i>answered question</i>	1
	<i>skipped question</i>	271

25. Faire partie d'un organisme pour les sentiers locaux vous intéresserait-il?			
		Response Percent	Response Count
Oui	<div><div></div></div>	33.3%	1
Non	<div><div></div></div>	66.7%	2
<i>answered question</i>			3
<i>skipped question</i>			269

26. Please provide any other feedback or comments here: Veuillez donner tout autre commentaire ou suggestion ici :		
		Response Count
		46
	<i>answered question</i>	46
	<i>skipped question</i>	226