



Terrapure is proud to have received the 2016 Industry Excellence Award for Health & Safety from Natural Resources Magazine.



Stoney Creek Regional Facility Environmental Assessment

# **Environmental Assessment (EA) Public Open House #2 Summary Report**





Prepared by:

A handwritten signature in blue ink that reads "K. Kroeze".

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Reviewed by:

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A handwritten signature in black ink that reads "Blair Shoniker".

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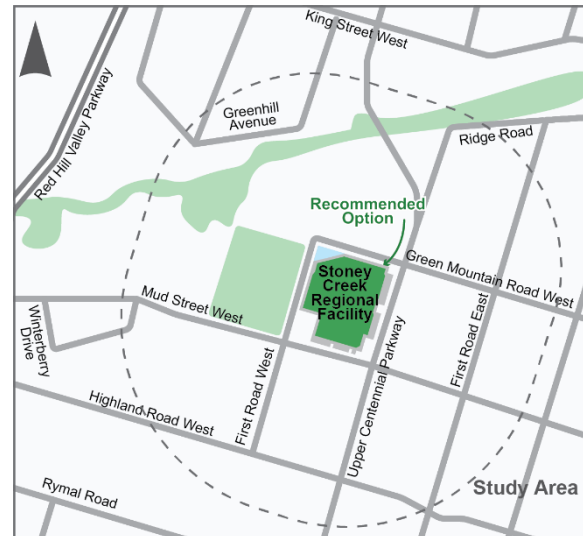


# 1. Introduction

This report summarizes the Public Open House #2 held as part of the Stoney Creek Regional Facility Environmental Assessment (SCRF EA). This was the second of three open houses that will be held during this EA. The Public Open House #2 included an In-Person Open House held on March 22, 2018 and an Online Open House held between March 22 and April 20, 2018.

Terrapure Environmental (Terrapure) has initiated a study under the *Environmental Assessment Act* to assess the various ways of increasing the capacity for residual materials at the Stoney Creek Regional Facility, located at 65 Green Mountain Road West, Stoney Creek, Ontario. The proposed capacity increase would allow Terrapure to continue to provide disposal capacity for industrial residual material generated within Hamilton and the Greater Toronto Area.

After assessing six options, Terrapure is recommending to reconfigure the existing site and increase the height by approximately 2.5 m. This would increase the capacity of the SCRF by 3.68 million m<sup>3</sup>.



## 1.1 Purpose of Public Open House #2

The purpose of the Public Open House #2 was to provide community members with an opportunity to review, ask questions, seek clarifications, and provide comments to the Project Team (i.e., Terrapure and GHD) on the:

- EA process
- Assessment and Evaluation Methodology
- Results of the evaluation for each of the six options, as well as the comparative evaluation of the six options against one another
- Recommended Option
- Further considerations of the natural environment and surrounding community during the next phase (Impact Assessment)
- Proposed consultation methods with the public going forward



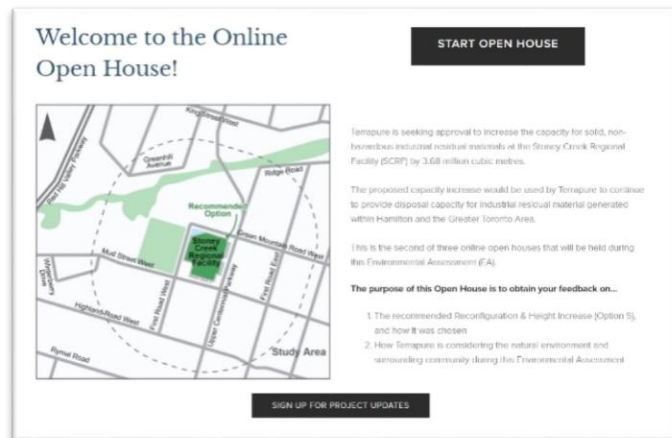
## 1.2 Date, Time & Location of the Public Open House

Terrapure held the In-Person Open House on Thursday, March 22, 2018 from 4 p.m. to 8 p.m. at the Salvation Army Winterberry Heights Church (300 Winterberry Drive, Stoney Creek). This location was chosen because of its close proximity to the SCRF, its familiarity to local community members, its accessibility and compliance under the *Accessibility for Ontarians with Disabilities Act* (AODA), and its size to accommodate attendees.

## 1.3 Online Component

Similar to the first Open House, an Online Open House was hosted to broaden the reach and increase the opportunity for participation at this key milestone in the EA process. The Online Open House #2 was available between March 22, 2018 and April 20, 2018 and accessible on the project website.

The information presented online included the same consultation materials (display boards, handouts and comment sheets) presented at the In-Person Open House. Online participants were able to provide written feedback/input on the Recommended Reconfiguration and Height Increase Option #5 and how it was chosen. In addition, participants were asked to provide feedback/input on how the natural environment and surrounding community will be considered during the detailed Impact Assessment, and how they would like to be consulted moving forward. Feedback received from the Online Open House is considered equally with feedback provided at the In-Person Open House.



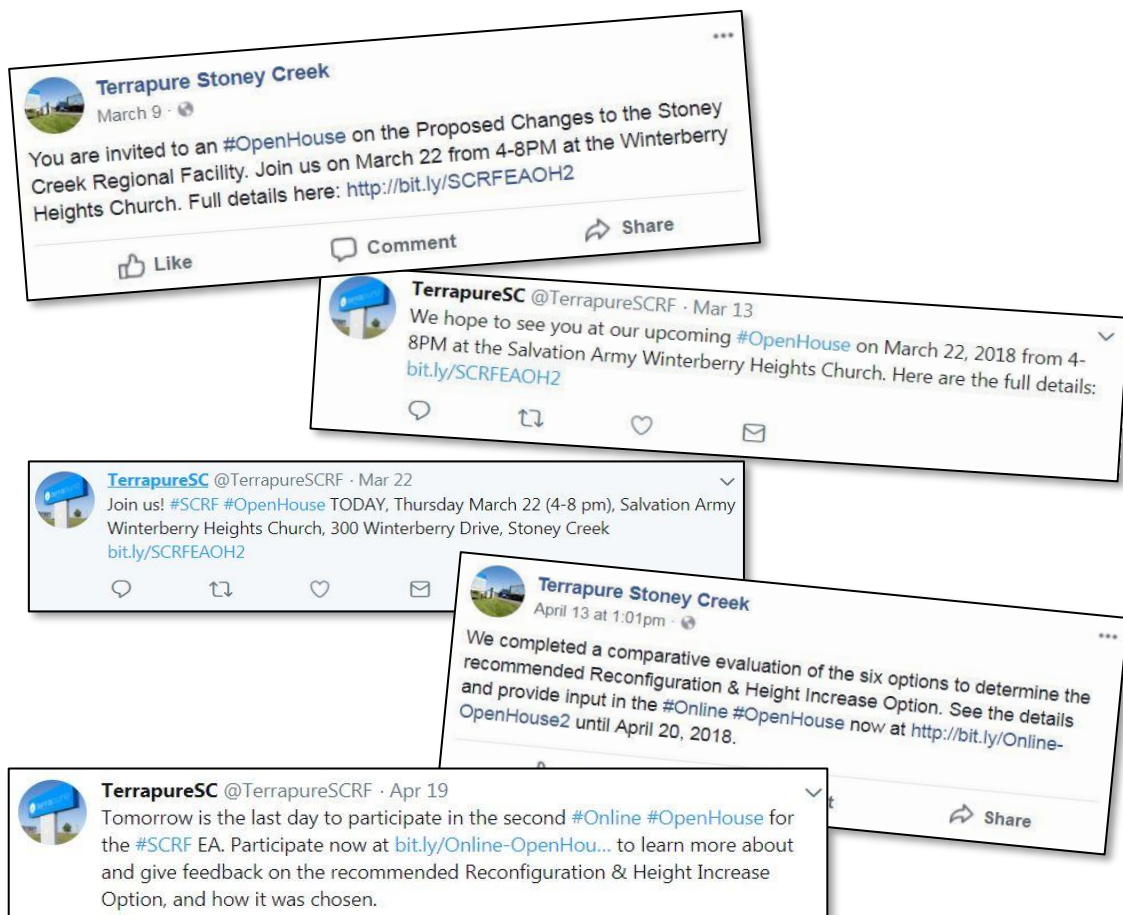
## 2. Notification of the EA Public Open House #2

Terrapure notified stakeholders of the Public Open House through a variety of means, promoting both the In-Person Open House and the Online Open House. Specifically, the following notifications for the event(s) were distributed:

- Two advertisements in the Hamilton Spectator on March 9 and March 17, 2018
- Two advertisements in the Stoney Creek News on March 15 and March 22, 2018
- Direct mailing and/or emailing to all identified agencies, Indigenous communities, and members of the public in the project-specific contact database between March 8-15, 2018 (see **Appendix A**)



- Unaddressed mail between March 8-15, 2018 of a postcard advertising the Public Open House #2 to 7,381 residences and businesses within 1.5 km of the site
- A mobile sign announcing the Public Open House was placed on Terrapure's property south of the south-west corner of Upper Centennial Parkway and Green Mountain Road between March 8-22, 2018
- Reminder emails distributed to those on the project database about the Online Open House and its upcoming deadline on April 17, 2018
- A [Story in the Stoney Creek News](#) was published on March 16, 2018
- Notices on the SCRF website and advertised on SCRF Twitter and Facebook accounts were published leading up to the Public Open House #2 on March 22 throughout March and ongoing for the Online Open House until April 20, 2018.



- Copies of the Notices are included in **Appendix B**.



### 3. Format and Attendance

The format of the In-Person Open House was an informal drop-in session where members of the public could attend anytime during the given hours, review the information, and meet individually with Project Team members. The information was arranged by station around the perimeter of the room as follows:

Station	Description
Welcome	<ul style="list-style-type: none"><li>• Purpose of the Open House</li><li>• Environmental Assessment Road Map</li></ul>
Terrapure and the Stoney Creek Regional Facility	<ul style="list-style-type: none"><li>• Information about Terrapure</li><li>• Overview of the SCRF and its operations</li></ul>
Evaluation of the Options & Recommended Option	<ul style="list-style-type: none"><li>• What we heard on the natural environment/surrounding community and how it was considered</li><li>• What we heard on the six options and how it was considered</li><li>• Comparative Evaluation of the Options – Summary of advantages disadvantages</li><li>• Recommended Option and rationale</li><li>• Visual renderings of Recommended Option</li></ul>
What's Next?	<ul style="list-style-type: none"><li>• Consult, confirm Preferred Option, complete Impact Assessment</li><li>• Impact Assessment Details</li></ul>
EA Process & Consultation Opportunities	<ul style="list-style-type: none"><li>• Consultation opportunities</li><li>• Feedback and Comment Sheets</li></ul>
What's going on at the Stoney Creek Regional Facility	<ul style="list-style-type: none"><li>• Pollinator Paradise Project</li><li>• Investment in Stoney Creek</li><li>• Post-Closure Planning</li></ul>

Copies of the display panels and print material are included in **Appendix C**.

There were 51 individuals who attended the In-Person Open House. The attendees included local residents and property owners, local business owners, City of Hamilton staff, representatives from the Hamilton-Wentworth District School Board, elected officials, members of the SCRF Community Liaison Committee, and the media. During the Online Open House, 109 individuals viewed the information with 23 reviewing it in its entirety.



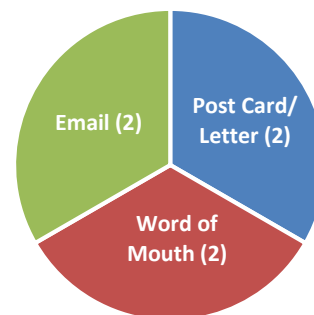
## 4. Summary of Comments Received

At the In-Person Open House, the Project Team had a number of discussions about the project with the attendees. Depending on the nature of the conversation, the team members recorded notes or the attendees wrote their input and feedback on the comment sheets provided. There were a total of eight comment sheets collected from the In-Person Open House. An additional 12 comments were submitted via the Online Open House. The following subsections summarize the comments received, Terrapure's responses and how the comments will be considered in the EA. Staff encouraged community members to continue to participate and provide input throughout the SCRF EA process.

### 4.1 Comments on the Public Open House

Prior to leaving the In-Person, attendees were given a feedback form to comment on their experience and suggest how Terrapure could improve at future consultation opportunities. Six attendees completed questionnaires at the In-Person Open House and two submitted comments at the Online Open House.

Attendees noted that they learned about the event by letters/post cards received or personalized emails from Terrapure, as well as through word of mouth.



In general, the feedback received about the event was positive.

**Table 4.1** below summarizes the feedback collected from participants on their experience at the In-Person Open House and/or the Online Open House. Other comments and suggestions provided included:

- Requests for more technical staff to answer questions (2)
- A request for representation from the Ministry of the Environment and Climate Change (1)
- Found the open house informative, but still skeptical (1)
- An appreciation for the opportunity read through and understand the process and proposal (2)
- An appreciation for the level of detail and work by Terrapure to provide public with the opportunity to give their input and feedback (2)
- An appreciation for the opportunity to provide feedback through the Online Open House (1)

**Table 4.1 Summary of Feedback on Public Open House**

Questions Asked On a scale of 1 to 5 (0 - Strongly Disagree; 5 – Strongly Agree)	1	2	3	4	5
1. The date and time of the Open House suited my schedule.	0	0	1	1	4
2. The location of the Open House was convenient for me.	0	0	0	1	5





Questions Asked On a scale of 1 to 5 (0 - Strongly Disagree; 5 – Strongly Agree)	1	2	3	4	5
3. I enjoyed the format of the event and found the stations easy to follow.	0	0	0	2	4
4. The purpose of the Open House was clear.	0	0	0	2	4
5. The information presented was clear and relevant.	1	0	1	1	3
6. Representatives from Terrapure and GHD were approachable and able to answer my questions.	1	0	1	0	3
7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.	0	0	2	1	2

## 4.2 Comments on the Recommended Option

At the "Evaluating the Options" station at the In-Person Open House and Online Open House, attendees were asked to provide comments on the Recommended Reconfiguration and Height Increase Option 5. A comment sheet with the questions:

- *Do you have any comments or feedback on how the Recommended Option 5 was selected?*
- *Do you have any additional comments or feedback on how Terrapure will consider the natural environment and surrounding community during the next phase of the EA the Impact Assessment?*

**Table 4.2** below summarizes the comments received. This includes verbal comments received, as well as those recorded from six comment forms.

**Table 4.2 Summary of Comments Received on the Recommended Option 5**

Do you have any comments or feedback on how the Recommended Option 5 was selected?	Comment Responses and How They Will Be Considered
Opposition to the height increase (x3)	We understand that some community members are concerned with any increase in height. The visual effects of each of the options were considered as part of the evaluation, which included consideration of height increases. Option 5 has an estimated height increase of 2.5 m that, through the application of mitigation measures such as additional vegetation and/or fencing, can be mitigated or blocked sufficiently.



Do you have any comments or feedback on how the Recommended Option 5 was selected?	Comment Responses and How They Will Be Considered
	<p>Additionally, the recommended Option 5 was chosen based on its technical feasibility, low net environmental impact, as well as the ability to accommodate the identified additional capacity to continue to support the growing local economy.</p>
<p>For Visual – Option 1 should be green as there is no change to current height approval and Option 5 should be at least orange because it represents a 2.5m height increase. (x1)</p>	<p>This comment, as well as any others provided by members of the public or review agencies, will be taken into consideration as the comparative evaluation is finalized.</p> <p>The rationale for the draft rankings in this category is as follows:</p> <p>Option 1 resulted in a yellow circle because even though there is no height increase from the existing approved contours, there would be a change from what is currently visible. There is still a visual impact from the site on the surrounding community that would need to be mitigated through measures such as vegetation and/or fencing.</p> <p>Option 5 resulted in a yellow circle as opposed to orange or red circle because, with a height increase of 2.5 m, it results in a much lower effect compared to that of Options 3 and 6, which had a 12 m and 8 m increase, respectively. Through the application of mitigation measures such as additional vegetation and/or fencing, a height increase of 2.5 m can be mitigated or blocked sufficiently, whereas as a 12 m and 8 m height increase cannot be sufficiently mitigated through fencing or vegetation – thus creating a greater net impact.</p>
<p>Opposition to any of the expansion options; desire to close the SCRF (x4)</p>	<p>On November 9, 2017, the Minister of the Environment and Climate Change approved the Amended Terms of Reference, which allows Terrapure to initiate a study under the <i>Environmental Assessment Act</i> to assess the various ways of increasing the capacity for residual materials at the Stoney Creek Regional Facility.</p>



Do you have any comments or feedback on how the Recommended Option 5 was selected?	Comment Responses and How They Will Be Considered
	<p>The capacity increase for the SCRF is based on a need for continued disposal capacity for industrial residual material generated within Hamilton and the Greater Toronto Area.</p> <p>In late Fall 2018, Terrapure is anticipated to submit the completed Environmental Assessment Report to the Minister for review and the Minister will then decide if the proposed capacity increase is approved or not.</p>
<p>Concern that Terrapure used the evaluation criteria and process to select their preferred desired outcome and not one that incorporated the comments received from community members. (x1)</p> <p>Belief that the criteria and scoring of the Land Use, Visual, Economic and Design &amp; Operation was incorrect. (x2)</p> <p>Disagreement with the methodology used by Terrapure to determine the outcome. (x1)</p>	<p>The environmental components were selected to reflect the broad definition of the environment under the Environmental Assessment Act, specifically the natural, social, economic, cultural, and built environments. These components and the comparative evaluation methodology are consistent with other Environmental Assessments undertaken throughout Ontario, and were approved by the Minister of the Environment and Climate Change in the Terms of Reference.</p> <p>The results of the comparative evaluation are being reviewed by the MOECC and other independent subject-matter experts as part of the Government Review Team that oversees the EA to ensure that it is conducted using best practices.</p>
<p>Did not like the way the comparative evaluation was presented. Found it difficult to understand the impacts of the current operations versus the options being proposed. (x1)</p>	<p>This comment will be taken into consideration to improve the way we present information at the next Open House (anticipated to be held in early summer 2018). We make a continuous efforts to ensure that the work being completed for the EA is presented in a way that is easy to understand and easy to provide input.</p>
<p>Felt like the presentation of the material indicated that the proposed expansion is already a "done deal". (x1)</p>	<p>This comment will be taken into consideration to improve the way we present information at the next Open House (anticipated to be held in early summer 2018).</p> <p>Once Terrapure completes the documentation for the EA, it will be submitted to the Minister of</p>



<b>Do you have any comments or feedback on how the Recommended Option 5 was selected?</b>	<b>Comment Responses and How They Will Be Considered</b>
	the Environment and Climate Change for review. The proposed capacity increase is not final until the Minister approves, rejects or approves with conditions Terrapure's Environmental Assessment Report.
For the transportation component, Option 1 should be green and Option 5 should be red to reflect closure dates. (x1)	For transportation, the evaluation criteria was "effect on traffic". In this case, none of the options results in a change in the number of trucks allowed to the site, or result in increased potential for collisions or increased level of service at any intersection.  In the next phase of the EA, the detailed impact assessment there will be an analysis on traffic levels through both the design and operation phase as well as the decommissioning phase of the Facility.
<b>Do you have any additional comments or feedback on how Terrapure will consider the natural environment and surrounding community during the next phase of the EA (the Impact Assessment)?</b>	<b>Comment Responses and How They Will Be Considered</b>
Concern for human health (x1)	Human Health was considered as part of the comparative evaluation of the options and will be further assessed during the Impact Assessment phase. The results of the comparative evaluation indicated that there would be a low potential for adverse effects with the continuation of the existing site. Best Management Practices, ongoing monitoring and augmented mitigation measure would be used to reduce or eliminate any impacts.  In addition, Terrapure has been in operation for 20 years, with more and more neighbours and residential development building up around us, and we have never had an incident affecting health or the environment. The Hamilton Public Health has reviewed all of the extensive health and environmental monitoring data accumulated over 20 years in existence and confirmed there is nothing that poses a risk to the community.



Do you have any comments or feedback on how the Recommended Option 5 was selected?	Comment Responses and How They Will Be Considered
Concern for smell during low visibility days contributing to human health impacts (x2)	<p>With regards to odour, the SCRF is only permitted to receive non-hazardous residual material from industrial, commercial and institutional sources. We are not permitted to receive any compost or garbage that decomposes and has the potential to cause odours. Often, when we receive inquiries related to odour, it is determined to be associated with other activities happening nearby. We do however have a community response line, which we encourage residents to call and communicate with us to document and investigate any odours that could be coming from our facility.</p> <p>Odour was considered as part of the comparative evaluation of the options and will be further assessed during the Impact Assessment phase.</p>
The financial contributions are not as important as the cost to the community (x1)	Terrapure has provided over \$22 million to the City of Hamilton and the Heritage Green Community Trust over the history of the SCRF without compromising environmental protection or public health.
Concern that Terrapure is exceeding the current approved height by 2.5 m in anticipation of the EA approval (x1)	This comment is not related to the Environmental Assessment for the proposed capacity increase.
Terrapure can better help the public understand the current operations compared to the proposed options.	<p>This comment will be considered, as we continue to develop educational resources to help the community to better understand who Terrapure is and what happens at the SCRF. Existing resources are available on the project specific website (<a href="http://www.terrapurestoneycreek.ca">www.terrapurestoneycreek.ca</a>) including two videos on the waste acceptance process and the current operations at the site. These videos are also available here: <a href="http://bit.ly/SCRFvideos">http://bit.ly/SCRFvideos</a></p> <p>To provide Terrapure with further suggestions on how to better communicate and engage with the community, residents are encouraged to send their suggestions to <a href="mailto:info@terrapurestoneycreek.com">info@terrapurestoneycreek.com</a></p>



<b>Do you have any comments or feedback on how the Recommended Option 5 was selected?</b>	<b>Comment Responses and How They Will Be Considered</b>
<p>Would like Terrapure to consider funding for the community to seek out independent expert input, which was once a standard for the environmental assessment process. (x1).</p>	<p>Although Terrapure has not provided funding for the community to seek out an independent expert, there is a Government Review Team which is comprised of a team of independent experts from the Ministry of the Environment and Climate Change, the City of Hamilton and other government agencies. The Government Review Team reviews and scrutinizes the work completed by Terrapure's team of experts to ensure the EA to ensure that it is conducted using best practices.</p>
<p>Concern with air quality, dust particulate blowing, and long term exposure on human health (x2) Believe that the health studies are inconclusive because there has not been enough time to determine the health risks. (x1)</p>	<p>Air quality (including dust) and human health were considered as part of the comparative evaluation of the options and will be further assessed during the Impact Assessment phase. Terrapure also wants to ensure that the human health of employees and the surrounding community are not adversely affected by operations. For the past 20 years of our operations, with more and more neighbours and residential development building up around us, and we have never had an incident affecting health or the environment. The Hamilton Public Health has reviewed all of the extensive health and environmental monitoring data accumulated over 20 years in existence and confirmed there is nothing that poses a risk to the community.</p>



### 4.3 Additional Comments

In addition to asking for comments and questions that related to the specific purpose of this Open House, attendees had the opportunity to provide any other comments and questions for consideration. **Table 4.3** below summarizes these additional comments received verbally and from comment sheets at the In-Person Open House, and in comment forms during the Online Open House; as well as how Terrapure responded to and will consider these comments. Two comment forms were completed at the In-Person Open House and two comments were received through the Online Open House.

**Table 4.3 Summary of Additional Comments Received and How They Will be Considered**

Summary of Comment Received	Comment Responses and How They Will Be Considered
Interesting to read about the Terrapure Pollinator Paradise Project (x1)	The Terrapure Pollinator Paradise Project started in October 2014 through a partnership between the Hamilton Naturalists' Club, Environment Hamilton and interested community members. The goal is to create a "pollinator highway", an uninterrupted haven of native plants that will provide food and shelter for pollinators across Hamilton.
Skeptical of the current operations and proposal following contacting the Ministry of the Environment and Climate Change and the City of Hamilton and still don't have any clear answers on the impacts of the landfill in 30 years. (x1)	Terrapure's Stoney Creek Regional Facility has an exemplary compliance record when it comes to environmental protection and human health. We operate in compliance with or exceed regulatory requirements. We have been in operations for 20 years and have never had an incident affecting human health or the environment.  In addition, as part of the EA, potential impacts identified will be addressed through the use of best management practices and mitigation measures. At the next Public Open House, the public will be able to review and provide input on proposed mitigation measures.
Clarification on what kind of materials are accepted/ received at the SCRF. Can be recycled/reused? What does non-hazardous mean? (x1)	The Stoney Creek Regional Facility is only permitted to receive non-hazardous residual material from industrial, commercial and institutional sources. For example, the James Street Go Station construction material is residual material that has been accepted at the Stoney Creek Regional Facility.



Summary of Comment Received	Comment Responses and How They Will Be Considered
	<p>We have published a video on the waste acceptance process at the site which helps explain what kind of materials we receive. It can be found here: <a href="http://bit.ly/SCRFvideos">http://bit.ly/SCRFvideos</a></p>
<p>Concerned with the use of the terms industrial fill and residual material which is inconsistent with what the MOECC uses to describe these different materials. The material that will be landfilled is 'non-hazardous industrial waste' and, I believe it should be referred to as such. (x1)</p>	<p>Terrapure uses the term "residual material" to describe non-hazardous solid industrial waste interchangeably. We have published a video on the waste acceptance process at the site which helps explain what kind of materials are received at the SCRF. It can be found here: <a href="http://bit.ly/SCRFvideos">http://bit.ly/SCRFvideos</a></p>
<p>Concern with aesthetics of the site. Does not like the black fencing (x2)</p>	<p>Terrapure takes pride in ensuring that we operate in a manner that is respectful of our neighbours. We have heard and continue to receive feedback from community members regarding the visibility of the site from surrounding vantage points.</p> <p>In response, we implemented additional visual screening measures at the site. Berms have been heightened to increase screening around site access points and fencing has been installed on the west side of the site.</p> <p>In addition, as part of the SCRF EA the visual impact of the SCRF is being assessed, where view-sheds will be analyzed and appropriate screening measures determined.</p>
<p>Request for more information on Terrapure funding provided through the Heritage Green Community Trust (HGCT)</p>	<p>One dollar for every tonne of material received at the site each year goes to the Heritage Green Community Trust which support community charitable and infrastructure programs. Over the nearly 20 years that these programs have been in place, they have injected a combined total of more than \$22 million into the local community.</p> <p>For more information please visit <a href="http://www.heritage-green.org">www.heritage-green.org</a></p>





# **APPENDIX A**

## **Project-Specific Contact Database**



## Project-Specific Contact Database

Agencies, Aboriginal communities, and stakeholder groups on the project-specific contact database include the following:

- City of Hamilton Mayor, Councillors, and relevant staff
- Hamilton Public Health and Medical Officer of Health
- Hamilton-Wentworth Catholic District School Board
- Hamilton-Wentworth District School Board
- Hamilton Fire Department
- Hamilton Conservation Authority
- Ministry of Agriculture, Food and Rural Affairs
- Ministry of Economic Development, Employment and Infrastructure
- Ministry of the Environment and Climate Change
- Ministry of Municipal Affairs and Housing
- Ministry of Natural Resources and Forestry
- Ministry of Tourism, Culture and Sport
- Ministry of Transportation
- Ontario Provincial Police
- Métis Nation of Ontario (Head Office and Clear Waters Métis Council)
- Six Nations of the Grand River First Nation
- Mississaugas of the New Credit First Nation
- Haudenosaunee Confederacy Chiefs Council
- Haudenosaunee Development Institute
- Members of the Community Liaison Committee for the existing Stoney Creek Regional Facility
- Land owners immediately adjacent to the facility
- Project Notification Subscribers



# **APPENDIX B**

## **Notice of EA Public Open House #2**



# You Are Invited!

## Stoney Creek Regional Facility Open House #2

March 22, 2018 4:00 - 8:00 PM

Winterberry Heights Church

300 Winterberry Drive, Stoney Creek

Can't attend in person? Participate in our Online Open House  
March 22 to April 20 at [terrapurestoneycreek.com](http://terrapurestoneycreek.com)

This is an opportunity for you to ...

- Learn more about and give feedback on the recommended Reconfiguration & Height Increase option, and how it was chosen
- Review and provide input on how Terrapure is considering the natural environment and surrounding community during this Environmental Assessment

**Alternative Formats of this Notice are  
Available Upon Request**

Stoney Creek Regional Facility  
65 Green Mountain Rd W.  
Hamilton, Ontario  
L8J 1X5

Property Owner

Address

Address2

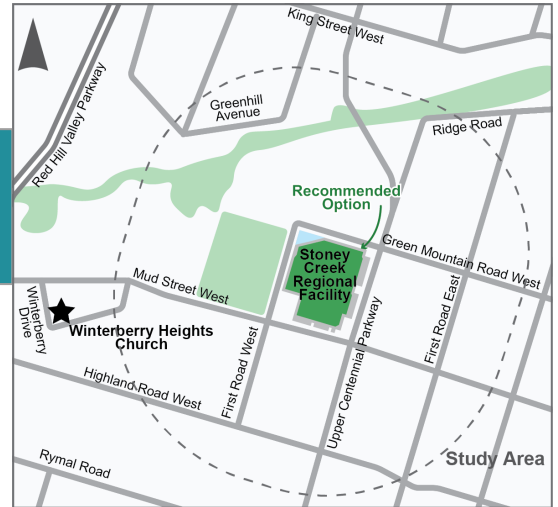
City province Postal



# What is the Purpose of this Open House?

**At this Open House, Terrapure will present the recommended option for the proposed capacity increase at the Stoney Creek Regional Facility**

- Terrapure is undertaking an Environmental Assessment to increase the capacity for residual materials at the Stoney Creek Regional Facility.
- The proposed capacity increase would be used to continue to provide disposal for industrial residual material generated within Hamilton and the Greater Toronto Area.
- After assessing six options, Terrapure is recommending to reconfigure the existing site and increase the height by approximately 2.5 m. This would increase the capacity of the Stoney Creek Regional Facility by 3.68 million m<sup>3</sup>.
- This is the second of three open houses that will be held during this Environmental Assessment.



## Questions? Contact Us!

**Contact:** Kim Bailey, Terrapure Environmental

**Website:** [terrapturestoneycreek.com](http://terrapturestoneycreek.com)

**Address:** 65 Green Mountain Rd W,  
Stoney Creek, ON L8J 1X5

**Email:** [info@terrapturestoneycreek.com](mailto:info@terrapturestoneycreek.com)

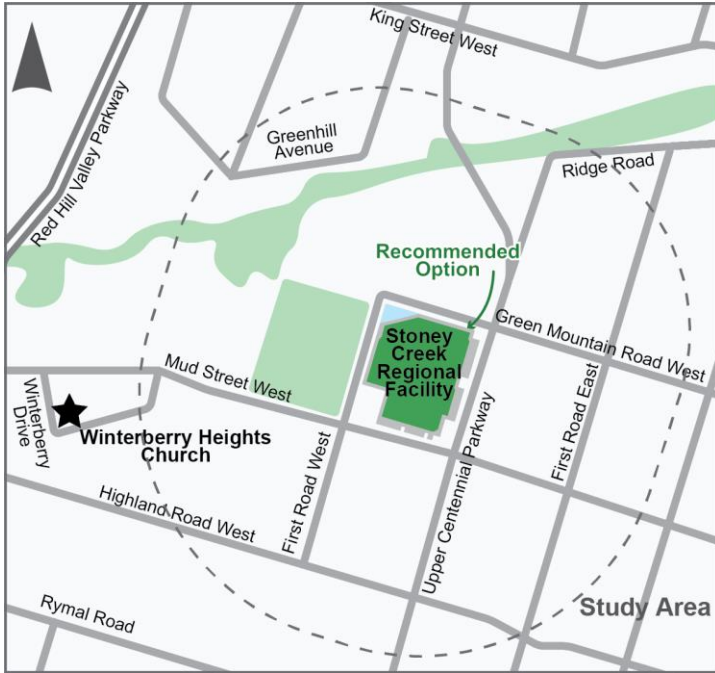
**Phone:** 1-844-898-238 **Fax:** 905-549-4515

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the Ministry of Environment and Climate Change (MOECC) for the purpose of transparency and consultation. The information is collected under the authority of the *EA Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the *Freedom of Information and Protection of Privacy Act*. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential. For more information, please contact the MOECC's Freedom of Information and Privacy Coordinator at (416) 327-1434.



# You Are Invited!

Open House on Proposed Changes to the Stoney Creek Regional Facility



**March 22, 2018 4:00 - 8:00 PM**  
**Winterberry Heights Church**  
**300 Winterberry Drive, Stoney Creek**

Can't attend in person? Participate in our Online Open House March 22 to April 20 at [terraturestoneycreek.com](http://terraturestoneycreek.com)

This is an opportunity for you to ...

- Learn more about and give feedback on the recommended **Reconfiguration & Height Increase** option, and how it was chosen
- Review and provide input on how Terrapure is considering the natural environment and surrounding community during this Environmental Assessment

Terrapure Environmental (Terrapure) is proposing to increase the capacity for residual materials at the Stoney Creek Regional Facility, located at 65 Green Mountain Road West, Stoney Creek, Ontario, under the *Environmental Assessment Act*. After assessing six options, Terrapure is recommending to reconfigure the existing site and increase the height by approximately 2.5 m. This would increase the capacity of the Stoney Creek Regional Facility by 3.68 million m<sup>3</sup>. This recommendation is based on technical feasibility, potential environmental impacts and input received from the community.

This is the second of three Open Houses to be held during the Environmental Assessment. Feedback received during this Open House will be used to further assess potential impacts of this proposed capacity increase and develop appropriate mitigation measures, which will be presented at the third Open House.

The Environmental Assessment is being conducted in accordance with the Amended Terms of Reference (approved by the Minister of the Environment and Climate Change on November 9, 2017) and the *Environmental Assessment Act*.

**Questions? Contact Us!**

**Contact:** Kim Bailey, Terrapure Environmental  
**Address:** 65 Green Mountain Road West  
 Stoney Creek, ON L8J 1X5  
**Email:** [info@terraturestoneycreek.com](mailto:info@terraturestoneycreek.com)  
**Phone:** 1-844-898-2380 **Fax:** 905-549-4515

**Visit our website for more information on this project:** [www.terraturestoneycreek.com](http://www.terraturestoneycreek.com)

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the MOECC for the purpose of transparency and consultation. The information is collected under the authority of the *EA Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the *Freedom of Information and Protection of Privacy Act*. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential. For more information, please contact the MOECC's Freedom of Information and Privacy Coordinator at (416) 327-1434.

**Alternative Formats of this Notice are Available upon Request**



March 8, 2018

Reference No. 11102771

Attention: 



**Re: Notice of EA Public Open House #2  
Stoney Creek Regional Facility Environmental Assessment  
Terrapure Environmental**

We are writing to provide you with an update on the Terrapure's Environmental Assessment for increasing the capacity for residual materials at the Stoney Creek Regional Facility, located at 65 Green Mountain Road West, Stoney Creek, Ontario.

We would like to invite you to an Open House on **March 22, 2018** from **4:00 pm – 8:00 pm** at the Winterberry Heights Church, **300 Winterberry Drive, Stoney Creek**. At this Open House, we will present the recommended option for the capacity increase based on technical feasibility, potential environmental impacts and input received from the public, agencies, and Indigenous groups.

Please find attached further details for the Open House. Please contact me if you have any questions on the information above.

Sincerely,

Kind Regards,  
GHD



Blair Shoniker, MA, RPP  
Project Manager

On behalf of Terrapure Environmental  
[info@terrapurestoneycreek.com](mailto:info@terrapurestoneycreek.com)  
[www.terrapurestoneycreek.com](http://www.terrapurestoneycreek.com)  
1-844-898-2380



# **APPENDIX C**

## **EA Public Open House #2**

### **Consultation Material**





# Welcome

## Terrapure Stoney Creek Regional Facility Environmental Assessment

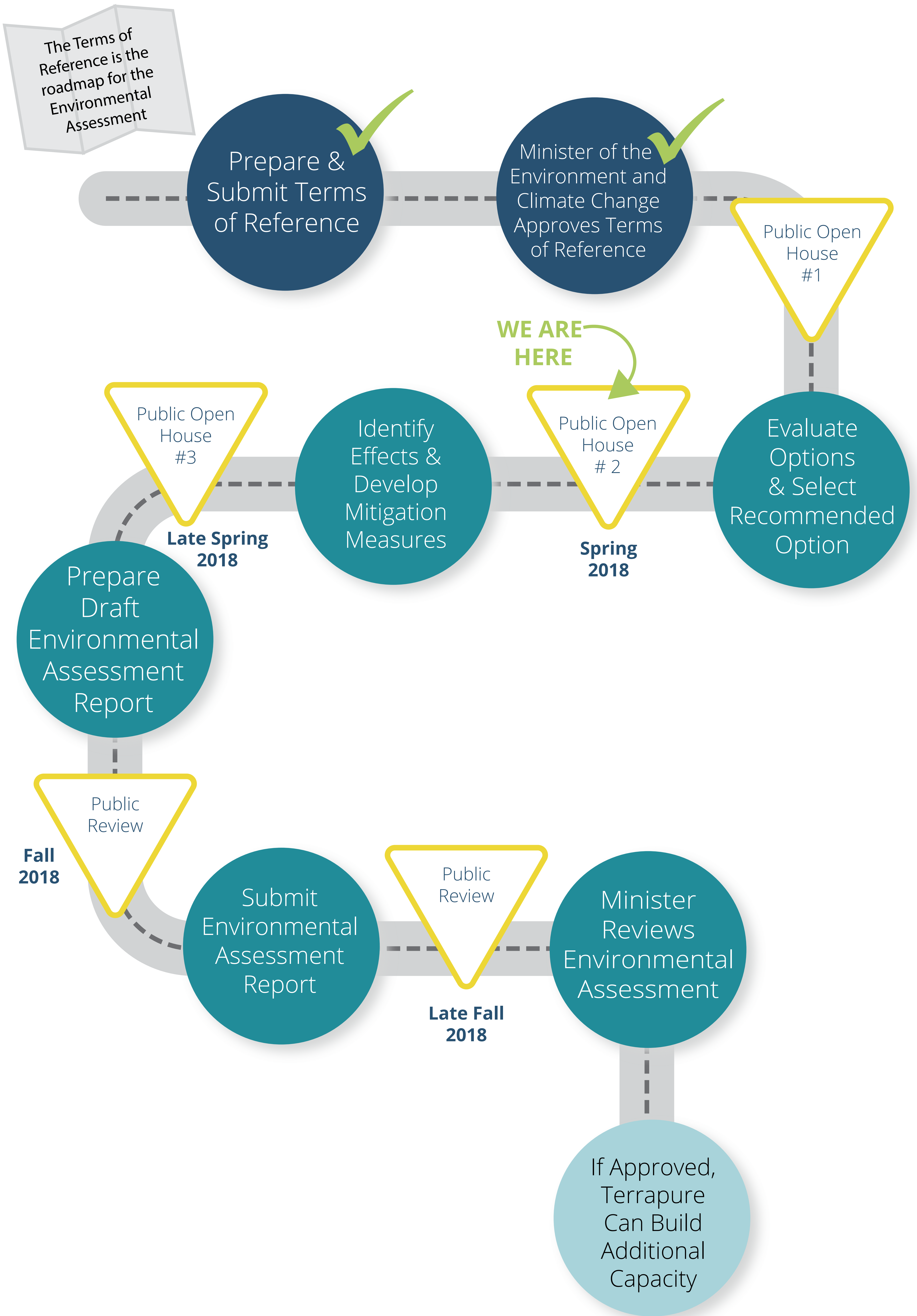
### Public Open House #2

Thursday, March 22, 2018





# Environmental Assessment Road Map



## The Purpose of this Open House is to Obtain Your Feedback on...

- The recommended Reconfiguration & Height Increase option, and how it was chosen
- How Terrapure is considering the natural environment and surrounding community during this Environmental Assessment



**About  
Terrapure and  
the Stoney  
Creek Regional  
Facility**





# About Terrapure Environmental



Terrapure Environmental is a leading Canadian provider of innovative, cost-effective environmental services and recycling solutions that help address industry's most complex environmental challenges.



Headquartered in Burlington, Ontario, Terrapure has an exemplary record and unwavering focus on health, safety and environmental excellence.



The company provides services that minimize waste and maximize the recovery or recycling of valuable industrial by-products through a coast-to-coast facility network.



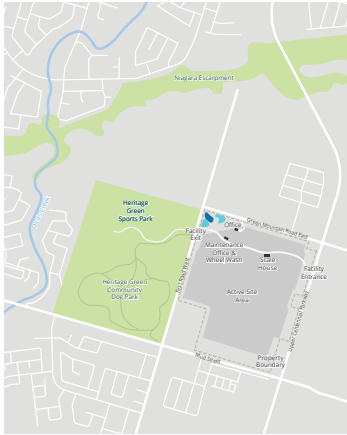
The current Stoney Creek Regional Facility site generates the following economic benefits for the Hamilton area:

- \$28 million per year in total economic activity
- \$18 million per year in value-added (GDP)
- 51 local jobs created, earning a total of \$2.5 million per year in wages
- \$2 million per year in local taxes, royalties and fees





# Terrapure Stoney Creek Regional Facility



- The Stoney Creek Regional Facility is located at 65 Green Mountain Road West in Hamilton
- It has been in operations since 1996
- 50% of materials received comes from customers in the City of Hamilton
- The site is engineered with a state of the art<sup>1</sup> double-liner system to ensure environmental protection
- In April 2017, a Closure Plan Advisory Panel was formed and includes the City of Hamilton and the Hamilton Conservation Authority

## Fast Facts About the SCRF

**478,655t**  
of materials received  
in 2016

SCRF is permitted to receive 750,000 tonnes of material/year

**3,106t**   
max materials received  
in one day

SCRF is permitted to receive 8,000 tonnes/day maximum

**70-80**   
trucks  
of materials received  
every day

SCRF is permitted to receive 250 trucks/day maximum

## Materials Accepted

Permitted Materials	Non-permitted Materials	Types of Waste
<ul style="list-style-type: none"> <li>✓ Solid (not liquid) material</li> <li>✓ Non-hazardous material</li> <li>✓ From industrial, commercial and institutional sources</li> </ul>	<ul style="list-style-type: none"> <li>✗ Household waste</li> <li>✗ Putrescible (decomposing) waste</li> <li>✗ Generated outside of Ontario</li> </ul>	<ul style="list-style-type: none"> <li>• Steel slag and BOF oxides</li> <li>• Contaminated soil</li> <li>• Demolition waste</li> <li>• Other mixed residuals (industrial and commercial)</li> </ul>

# Evaluating the Options



## Proposed Changes to the Facility

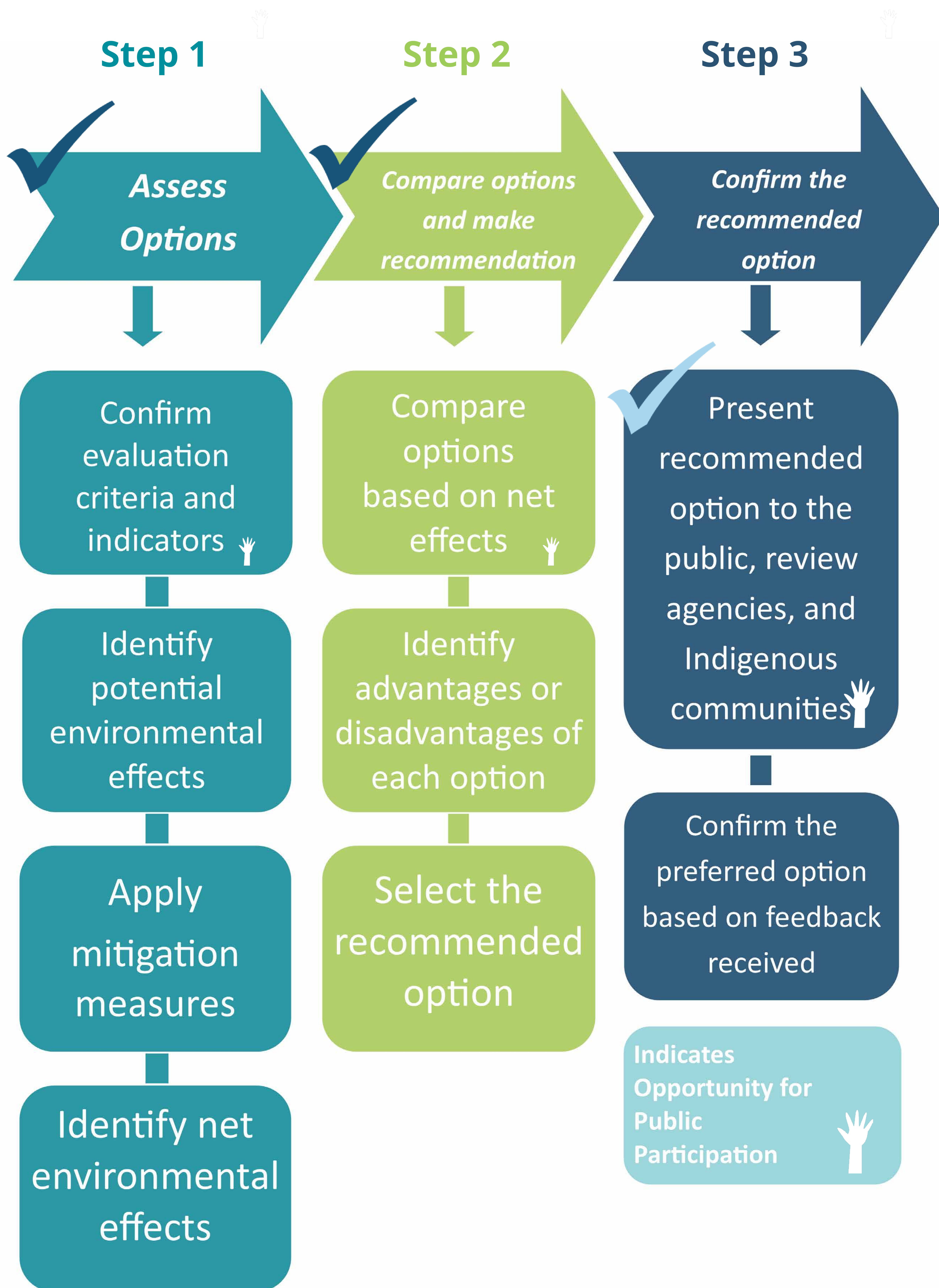
Terrapure is seeking approval to increase the capacity for solid, non-hazardous industrial residual material at the SCRF by 3,680,000 m<sup>3</sup>.

Currently, the SCRF is permitted to receive both industrial fill and residual material. Terrapure only accepts material that cannot otherwise be reasonably diverted.

## Selecting the Recommended Option

- For each of the six options presented, an assessment and evaluation was completed from the perspective of nine environmental components
- The assessment considered effects during construction, operation, and closure of the Stoney Creek Regional Facility
- Climate change was considered in the assessment of the options including identifying historical climate/meteorological trends and the potential for extreme weather events. For example, power outages, physical damage, stormwater management and reduced access to the site

The options were assessed and evaluated using a three step methodology:





# Evaluating the Options

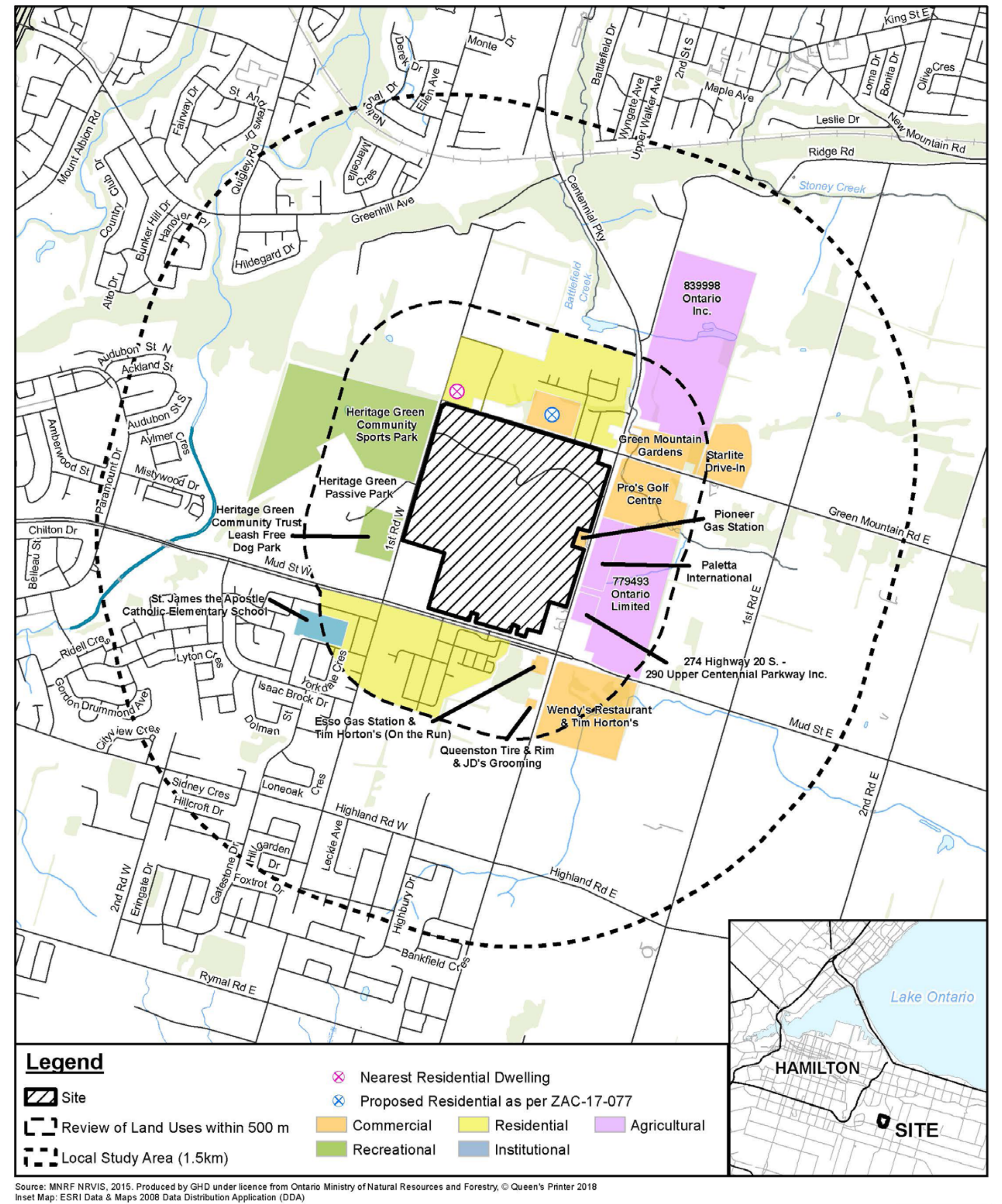
## Land Use, Visual, and Economic

### Existing Conditions

- Land uses within the Local Study Area include agricultural, commercial, institutional, recreational, and residential
- There is ongoing residential development in the Study Area (approximately 1,000 dwellings within 500m from the property boundary)

Currently the SCRF Generates:

- \$28.7 million in economic activity in the Hamilton area per year
- 51 jobs and almost \$2.6 million in wages for local workers
- \$2.2 million per year in local taxes, royalties and fees paid by Terrapure



### Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on existing land use	●	●	●	●	●	●
Effect on views of the facility	●	●	●	●	●	●
Effect on approved/planned land uses	●	●	●	●	●	●
Economic benefit to the City of Hamilton and Local Community	●	●	●	●	●	●

- None of the options would require existing or approved/planned land uses within the study area to change. Indirect effects, such as noise and dust will be mitigated through standard mitigation measures
- Option 1, 2, 4 and 5 are all preferred as views can be mitigated through visual screening measures
- Options 3, 5 and 6 ranked highest for economic benefit because expansion and reconfiguration would result in maximum increase of jobs and increase to economy and GDP

## Archaeology and Built Heritage

### Existing Conditions

- The entire site has been previously disturbed/excavated due to former quarry activity
- There is one built heritage resource (Billy Green House at 30 Ridge Road) within the Local Study Area

### Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on known or potential significant archaeological resources	●	●	●	●	●	●
Effect on built heritage resources and cultural heritage landscapes	●	●	●	●	●	●

- None of the options will have an effect on archaeological resources or built heritage resources



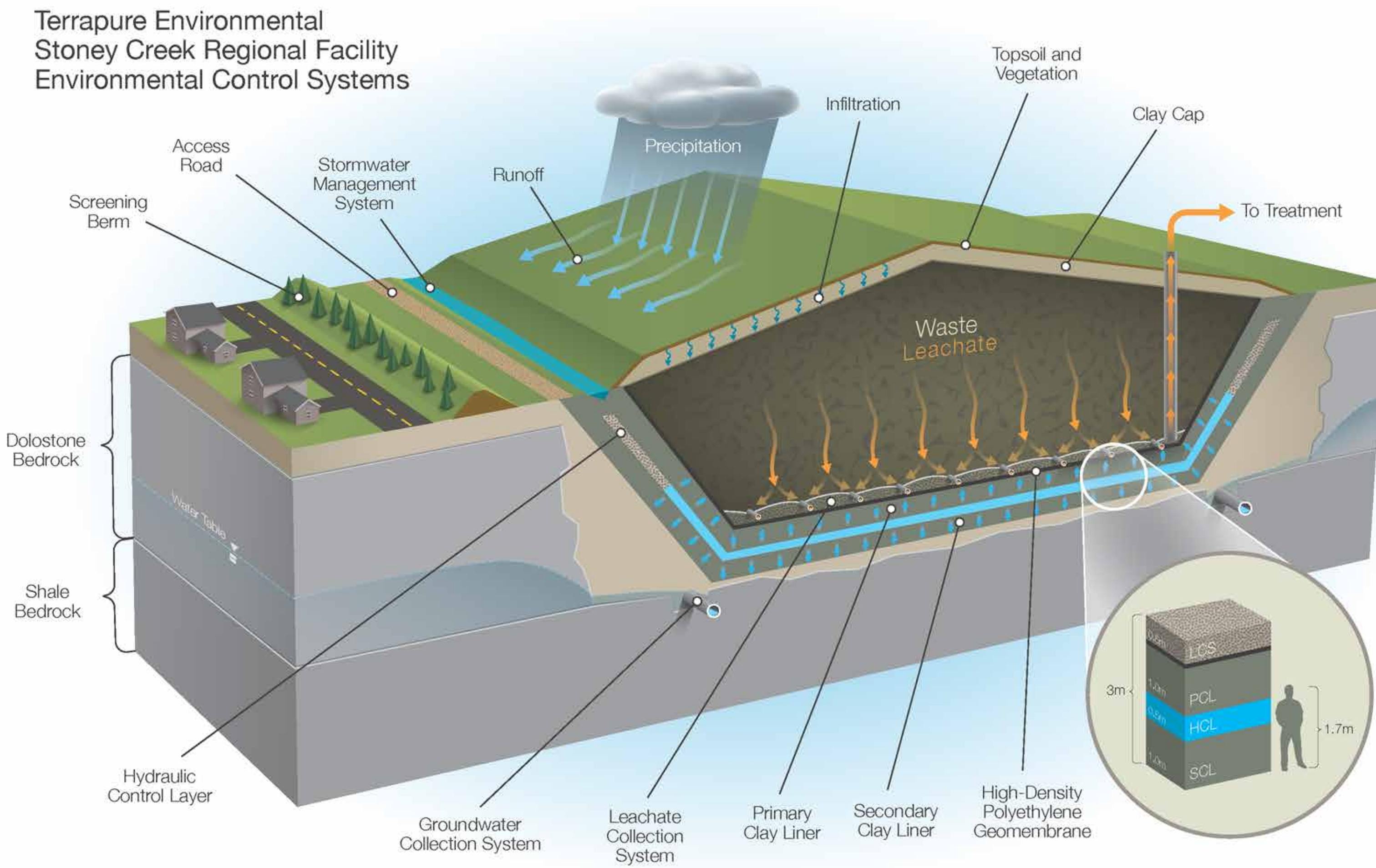




# Evaluating the Options

## Geology and Hydrogeology

### Existing Conditions



<b>Berm</b> is a mound of earth that visually blocks views of the SCRF	<b>Shale Bedrock</b> is a mix of clay and parts of other minerals
<b>Leachate</b> is water that passes through the waste	<b>High-Density Polyethylene Geomembrane</b> is a liner used to contain the leachate
<b>Dolostone Bedrock</b> is sedimentary carbonate rock composed mostly of the mineral dolomite	<b>Stormwater</b> is water that comes from rain and snow, and flows over land and into drainage systems
<b>Hydraulic Control Layer (HCL)</b> is confined between the two compacted clay liners and is used to create a "hydraulic trap" and to monitor for unexpected leakage through the primary liner during the Facility-operating period	<b>Primary Clay Liner (PCL)</b> and <b>Secondary Clay Liner (SCL)</b> are naturally dense layers of material used to contain leachate

- The Stoney Creek Regional Facility is a highly engineered site with a 3 metre double-liner system that ensures maximum environmental protection
- Groundwater is collected through a series of trenches
- Groundwater is monitored to ensure there is no off-site migration of contaminants and that the landfill is not causing the groundwater level to lower

### Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on Groundwater Quality and Flow	●	●	●	●	●	●

- None of the options will affect groundwater quality or flow in the area

## Surface Water

### Existing Conditions

- Rain that falls on capped areas of the site is collected in a stormwater management pond
- The stormwater management pond is tested to meet quality and quantity parameters before it is discharged off-site
- Rain that falls on the active landfill area is collected and treated as leachate
- Surface water is monitored at 8 locations in watercourses downstream of the site



### Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on Surface Water Quality	●	●	●	●	●	●
Effect on Surface Water Quantity	●	●	●	●	●	●

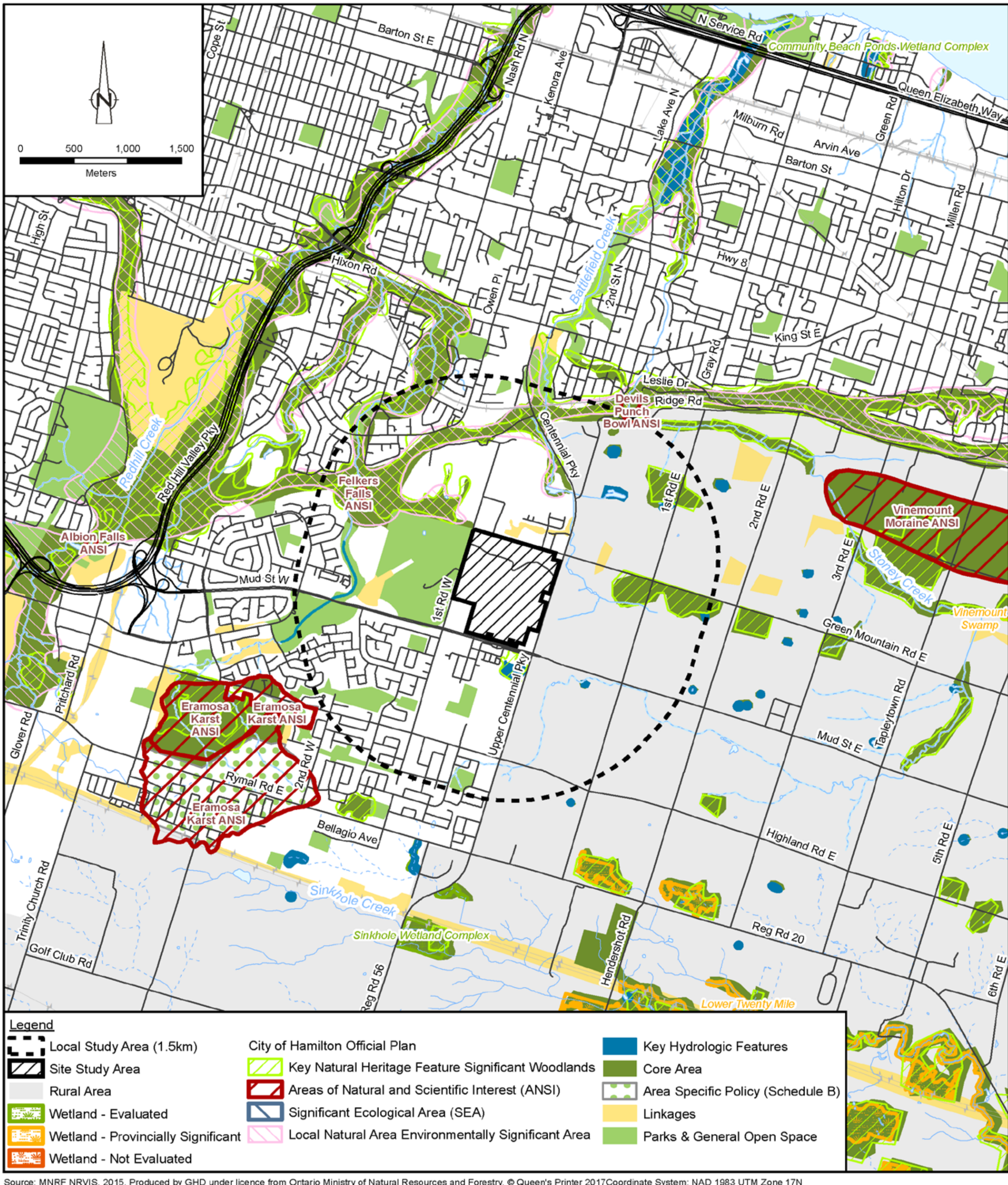
- Options 1, 3 and 5 are ranked highest because they all equally present fewer complications/concerns with designing and building a stormwater management pond in the area where the existing ponds are located

● No Effect    ● Low Effect    ● Moderate Effect    ● High Effect



# Evaluating the Options

## Terrestrial and Aquatic Environment



### Existing Conditions

- Wildlife habitat is present within the Local Study Area. Wildlife is limited within the Site, but habitat for a species at risk bird (Eastern Meadowlark) and other grassland birds is present
- There are no features with natural heritage designations within the Site. Within the Local Study Area, various features with natural heritage designations exist, including Areas of Natural and Scientific Interest (ANSI), Significant Woodlands, Local Natural Area Environmentally Significant Areas, Key Hydraulic Features, and Core Areas
- The Site and Local Study Area are surrounded by natural landforms such as the Niagara Escarpment

## Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on Terrestrial Ecosystems	●	●	●	●	●	●
Effect on Aquatic Ecosystems	●	●	●	●	●	●

- All options would result in low net effects to the terrestrial and aquatic environment, following the implementation of mitigation measures

## Transportation

### Existing Conditions

- Analysis shows all intersections and road way movements are operating very well with ample reserve and low levels of delay
- Traffic analysis was prepared in accordance with the City of Hamilton's Traffic Impact Study Guidelines



## Comparative Evaluation of Options

	1	2	3	4	5	6
Effect on Traffic	●	●	●	●	●	●

- Since there is no proposed increase to the amount of trucks permitted, none of the options would have an effect on road user safety or intersection levels of service

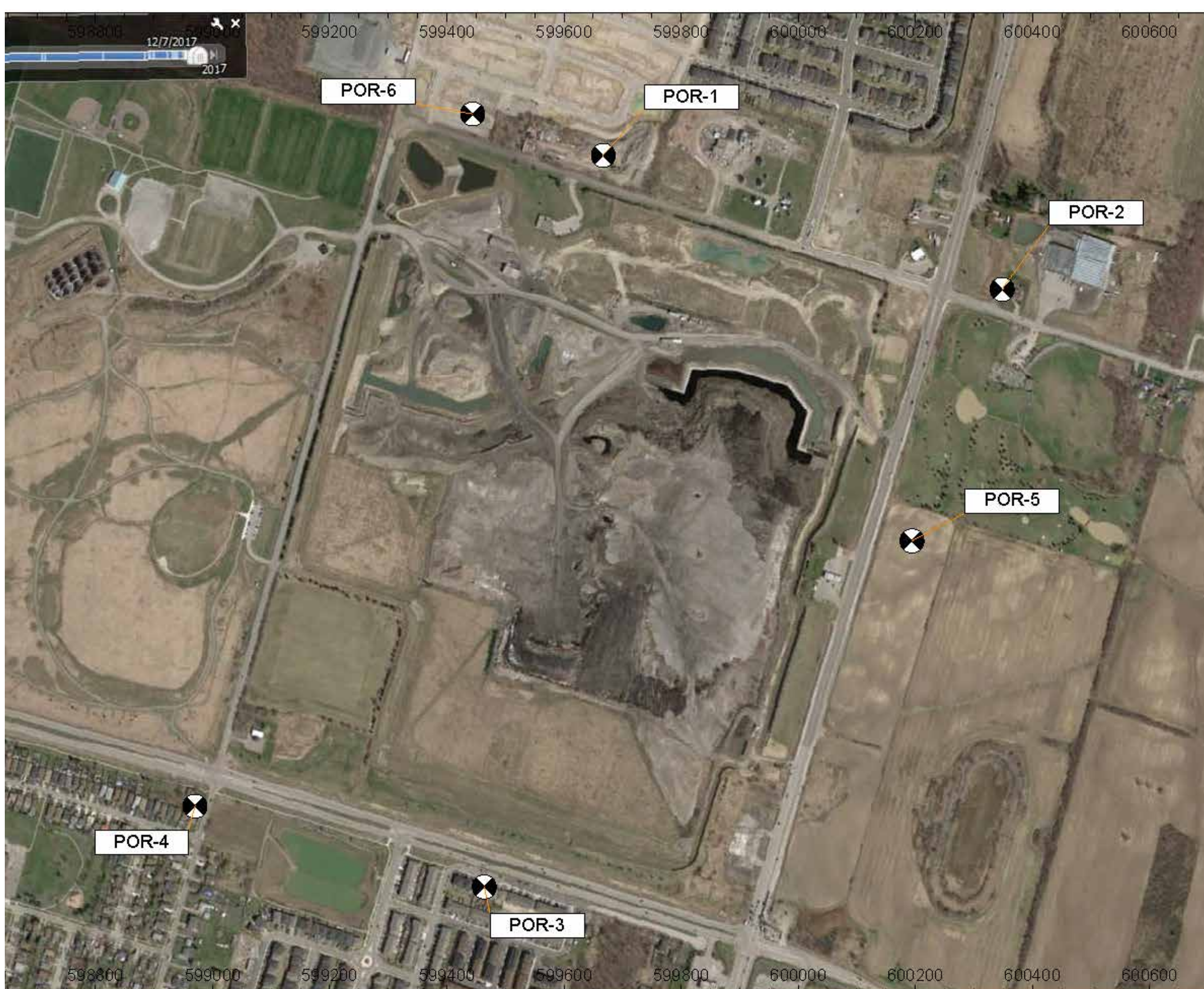




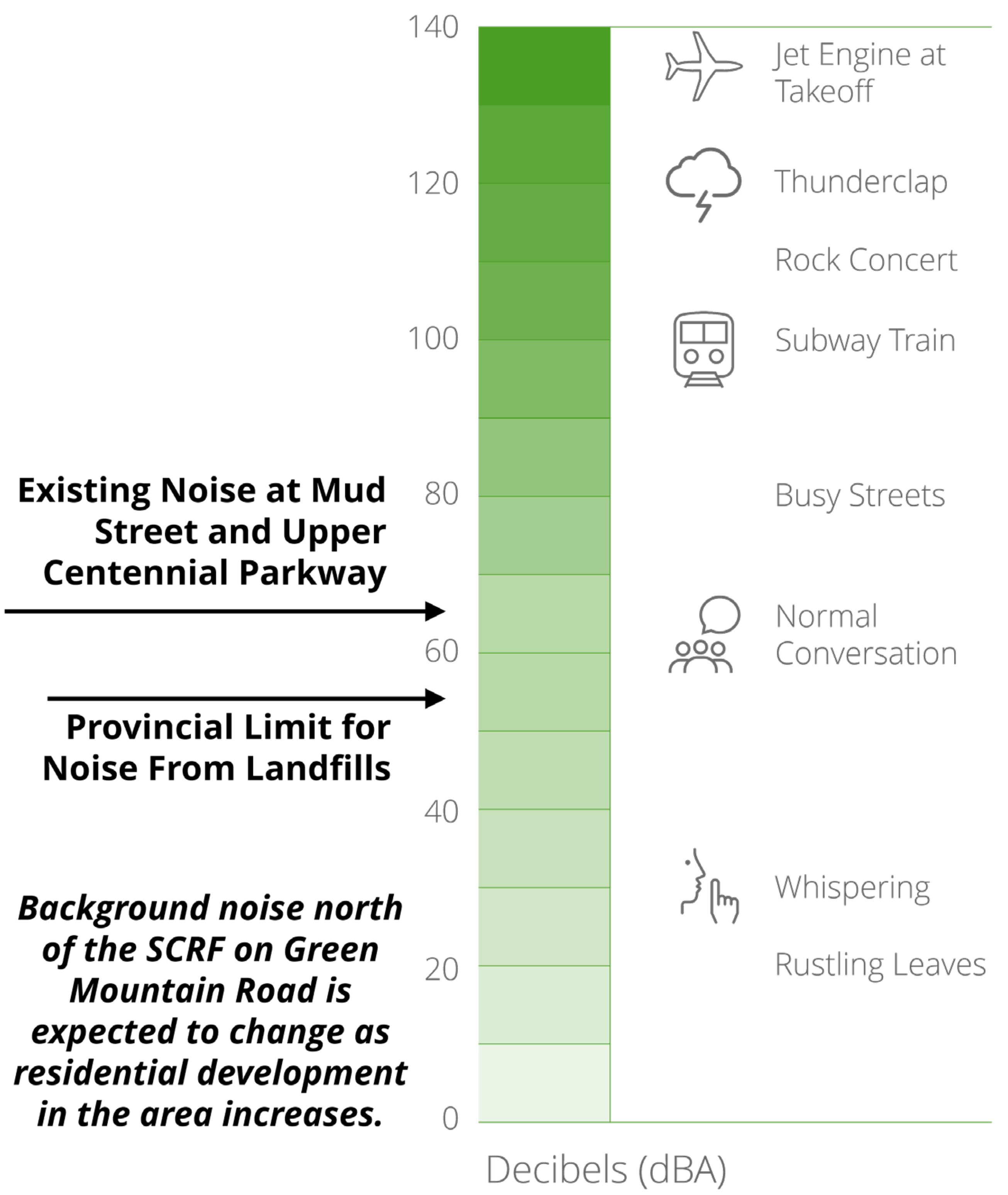
# Evaluating the Options

## Atmospheric Environment (Noise, Air Quality and Odour)

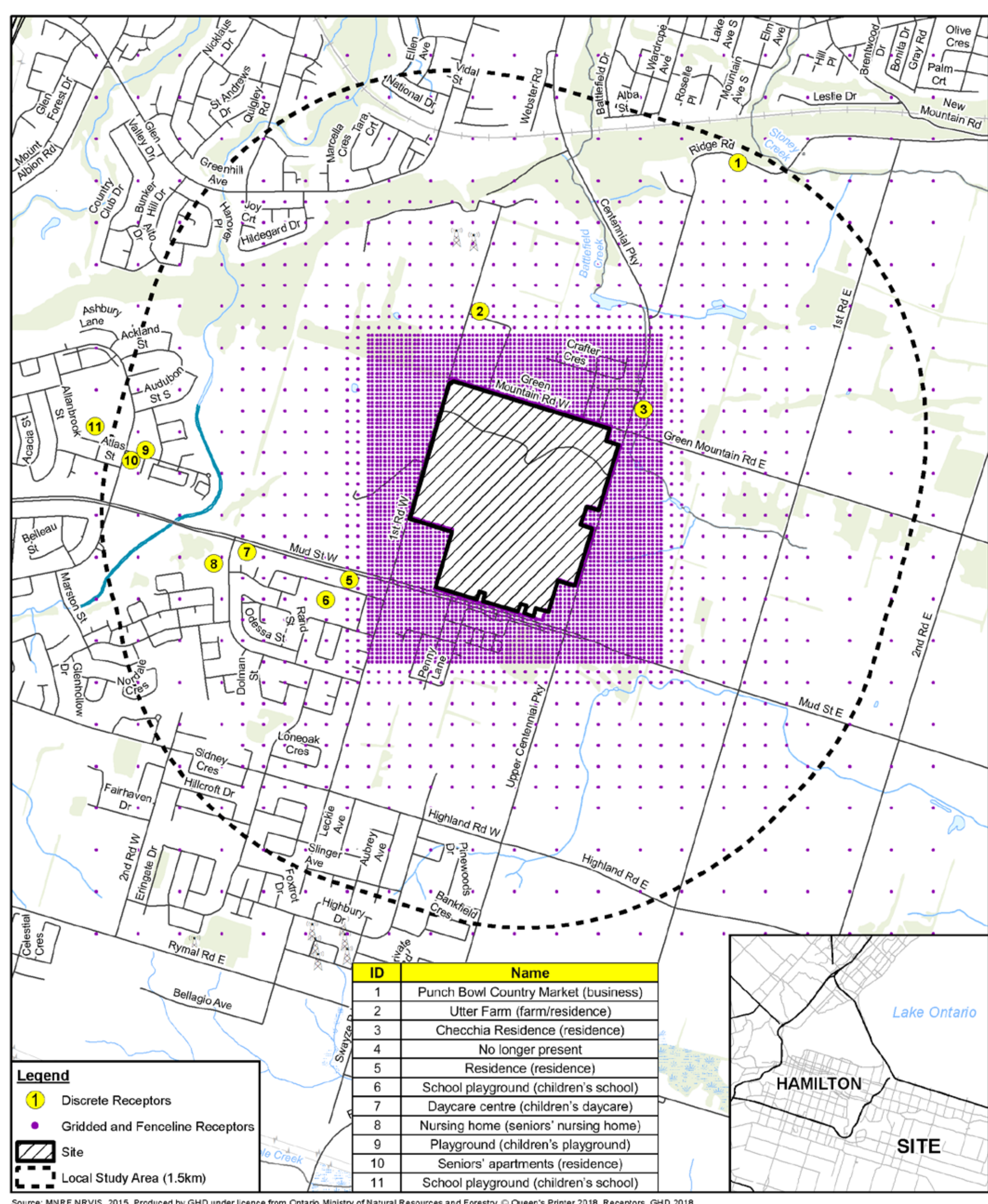
### Existing Conditions (Noise)



Locations of Sensitive Receptors for Noise



### Existing Conditions (Air Quality and Odour)



Locations of Sensitive Receptors for Air Quality

- Air quality at the SCRF is monitored by measuring airborne particulate (dust)
- Monthly reports on air quality are provided to Ministry of the Environment and Climate Change and shared with the Community Liaison Committee
- For this Environmental Assessment, air quality data from other stations in the Hamilton area was also used to establish background conditions in the area
- Odour issues at the SCRF are rare because the waste received at the site is non-organic and does not decompose. Generally odour complaints have been the result of pumping leachate into the retention ponds or equalization basins

### Comparative Evaluation of Options

	1	2	3	4	5	6
Effect of noise on off-site receptors	●	●	●	●	●	●
Effect of air quality on off-site receptors	●	●	●	●	●	●
Effect of odours on off-site receptors	●	●	●	●	●	●

- The noise increase for all off-site receptors would be 3 dBA or lower for all options, and noise would remain below the provincial limit of 55 dBA, which is similar to the noise level of a normal conversation
- The potential increase in dust would be mitigated through dust management best management practices
- Odours are not anticipated to change significantly from currently approved operations

● No Effect   ● Low Effect   ● Moderate Effect   ● High Effect



# Evaluating the Options

## Human Health

### Existing Conditions

- A Community Health Assessment Review is prepared every year to determine if ongoing SCRF operations present any impact to human health. The 2017 Review concluded that “no adverse health effects within the surrounding community should be expected as a consequence of the Terrapure Stoney Creek Regional Facility”
- In order to assess the options for the proposed capacity increase, a number of criteria were considered in relation to their effect on human health:
  - Air Quality
  - Leachate Quality
  - Groundwater Quality
  - Surface Water Quality
  - Soil Quality



### Comparative Evaluation of Options

	1	2	3	4	5	6
Air Quality	●	●	●	●	●	●
Leachate Quality	●	●	●	●	●	●
Groundwater Quality	●	●	●	●	●	●
Surface Water Quality	●	●	●	●	●	●
Soil Quality	●	●	●	●	●	●

- There are marginal short-term particulate (Air Quality) concerns related to all of the options except for Option 3 compared to the existing approved landfill design under worst-case conditions and conservative modelling. Mitigation measures will be developed further during the impact assessment to reduce any short-term particulate concerns.
- All of the other indicators demonstrate no net effect when compared to the existing approved landfill design.

## Design and Operations

### Existing Conditions

- The SCRF has been in operation since 1996, providing environmental services to Hamilton and Ontario-based generators of solid, non-hazardous residual material from commercial, industrial and institutional sectors
- Only pre-approved solid, non-hazardous industrial residual material is received at the SCRF
- The design and operation of the site are carried out in accordance with the Environmental Compliance Approval No. A181008

### Comparative Evaluation of Options

	1	2	3	4	5	6
Potential to Provide Service for Disposal	●	●	●	●	●	●
Leachate Management	●	●	●	●	●	●
Stormwater Management	●	●	●	●	●	●
Construction	●	●	●	●	●	●
Site Operations	●	●	●	●	●	●
Closure and Post-Closure	●	●	●	●	●	●
Cost of Facility	●	●	●	●	●	●

- Options 3 and 5 both had low net effects and both satisfied the minimum capacity requirement for residual material. However, Option 5 has additional leachate management, construction, and cost considerations. For these reasons Option 5 is ranked 2nd and Option 3 is ranked 1st.
- The rest of the options fail to meet the objective for disposal capacity and/or have increased costs related to the expansion

● No or Positive Effect   ● Low Effect   ● Moderate Effect   ● High Effect



## Recommended Option

### Option 5 - Reconfiguration & Height Increase

Following the comparative evaluation of the six options, this option was identified as recommended



Figure not to scale

#### The Details

- Replaces industrial fill with residual material
- Height increase of 2.5 m
- 3.68 million m<sup>3</sup> increase in residual material capacity
- Maintains current buffers

### Why is Option 5 Recommended?

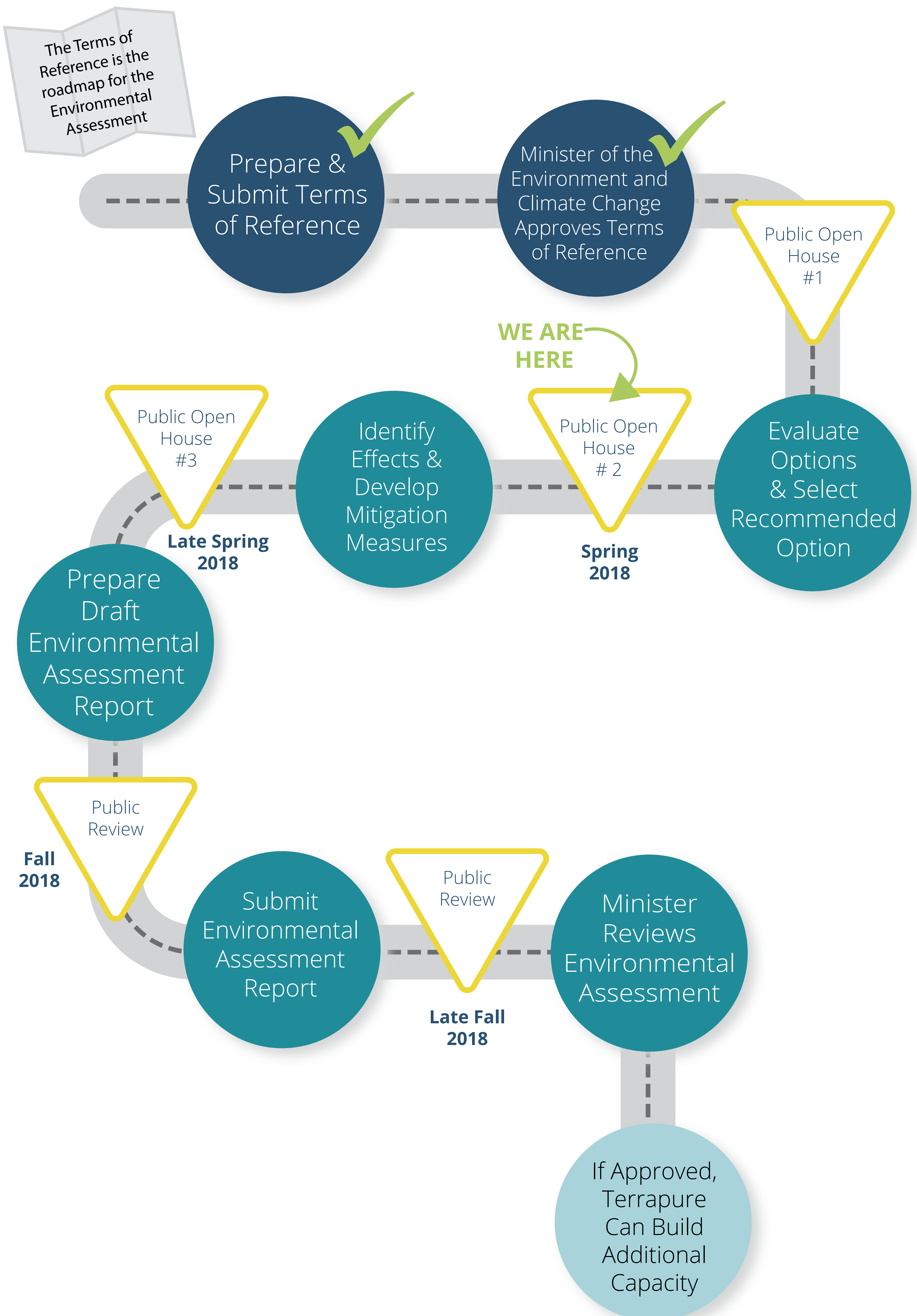
- A technically feasible design that provides for the additional capacity being sought through the EA. This will allow Terrapure to continue to support the growing local economy by providing disposal capacity for industrial residual material generated within Hamilton and the GTA
- A lower height increase compared to Options 3 and 6, which can be screened through such measures as constructed berms, tree plantings, fencing, etc.
- A low potential for adverse effects to the natural environment which would be further minimized through the use of standard mitigation measures
- Maintains the existing stormwater management ponds
- A low potential for adverse effects to area residents which would be further minimized through the use of standard mitigation measures
- Maximizes the economic benefits to the City of Hamilton, Upper Stoney Creek, and local industry



# What's Next?

The design, effects and mitigation measures presented are subject to confirmation during the Impact Assessment stage. As the conceptual design is further developed as a detailed design, the effects will be confirmed and more site specific mitigation measures will be developed.

- 1** Confirm the Preferred Option taking into consideration feedback from stakeholder, including members of the community, agencies, and indigenous communities
- 2** Undertake additional technical work to refine the design and specific specifications
- 3** Undertake detailed impact assessment to better identify potential impacts and to develop proposed mitigation and monitoring measures for the preferred option
- 4** Present the results to the public and other stakeholders at the third open house in late Spring 2018





## Proposed Consultation Methods for the EA



### Stakeholder Interviews

We are conducting interviews with interested/potentially affected stakeholders to hear their perspectives



### Individual Meetings

Meetings between the project team and stakeholders are available



### Website

Visit the project website at:  
[terrapurestoneycreek.com](http://terrapurestoneycreek.com)



### Toll-Free Phone Number

A toll free phone line is available at  
**1 844-898-2380**



### Notices and Mail-outs

Notices will be mailed and advertised at key project milestones



### Open Houses

Open Houses are held for in depth project discussions

**How else should we consult with you?  
Fill out a comment sheet with your contact  
information to stay informed about the project.**

<b>Public Stakeholders</b>	Includes adjacent property owners, area residents and businesses, beneficiaries of Terrapure funding and other non-government organizations.
<b>City of Hamilton</b>	Department staff and elected officials from the City are key stakeholders.
<b>Community Liaison Committee (CLC)</b>	The CLC is composed of community representatives, elected officials, MOECC district staff and Terrapure representatives.
<b>Indigenous Communities</b>	Includes the Six Nations of the Grand River, the Mississaugas of the New Credit, the Haudenosaunee Confederacy and the Métis.
<b>Review Agencies</b>	The Ministry of the Environment and Climate Change (MOECC) and other Municipal, Provincial and Federal agencies.

# What's Going On at the Stoney Creek Regional Facility?





## Investment in Stoney Creek

Over its history, Terrapure has provided over **\$23 million** to the City of Hamilton and the Heritage Green Community Trust.

For every tonne of residual material received at the facility, \$1 goes to the City of Hamilton Royalty Program and \$1 goes to the Heritage Green Community Trust.

To apply for a grant visit [www.heritage-green.org](http://www.heritage-green.org)



*"On behalf of our schools and students, I would like to thank Terrapure for your generous support. The students involved in the Bishop Ryan Celt-X Robotics team as well as our elementary students who participated in the Mad Science "Love Your Lungs" Project have benefitted a great deal from the grants you have provided."*  
 Patrick Daily, HWCSB Board Chair (May, 2017)

- Since 2012, the Heritage Green Community Trust has awarded 41 scholarships totalling **\$102,500** to area students
- From 2001-2015, Terrapure provided **\$5 million** in funding to support schools, sports programs, recreational facilities and parks, and events
- Direct annual support to various community causes and events including the United Way, Tim Horton's Camp Day and Camp Trillium



## Terrapure Pollinator Paradise Project



Pollinators such as bees and butterflies are essential for agriculture and wild ecosystems. Yet, their populations are in rapid decline due to loss of habitat and food sources, disease and pesticides.

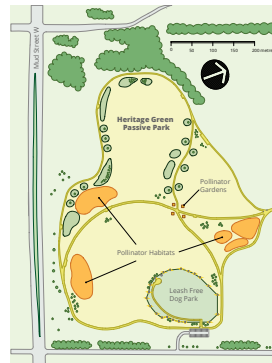


Terrapure, in partnership with Environment Hamilton and Hamilton Naturalists' Club, is helping address this critical issue.



We are creating pollinator friendly gardens of milkweed and wildflowers at the Heritage Green Passive Park (a closed landfill).

Gardens provide an important and much-needed habitat to attract pollinators.



The goal is to create a "pollinator highway," an uninterrupted haven of native plants that will provide food and shelter for pollinators across Hamilton.

### For More Information...



Visit our Website  
[terraturepollinatorparadise.com](http://terraturepollinatorparadise.com)



Follow us on Instagram  
[@pollinator\\_paradise\\_project](https://www.instagram.com/pollinator_paradise_project)



# Stoney Creek Regional Facility Closure Planning

Terrapure is required to prepare a closure plan when the SCRF has reached 90% of its approved capacity or two years of total remaining capacity (whichever comes first).

## Closure Planning Advisory Committee

A Closure Planning Advisory Committee has been established to conduct consultations with stakeholders and residents to develop recommendations of a closure advisory plan that:

- Achieves a productive public end use of the subject lands
- Returns subject lands to a natural condition
- Provides sustainable end use providing social and recreational benefits to residents

## Types of Uses Under Consideration

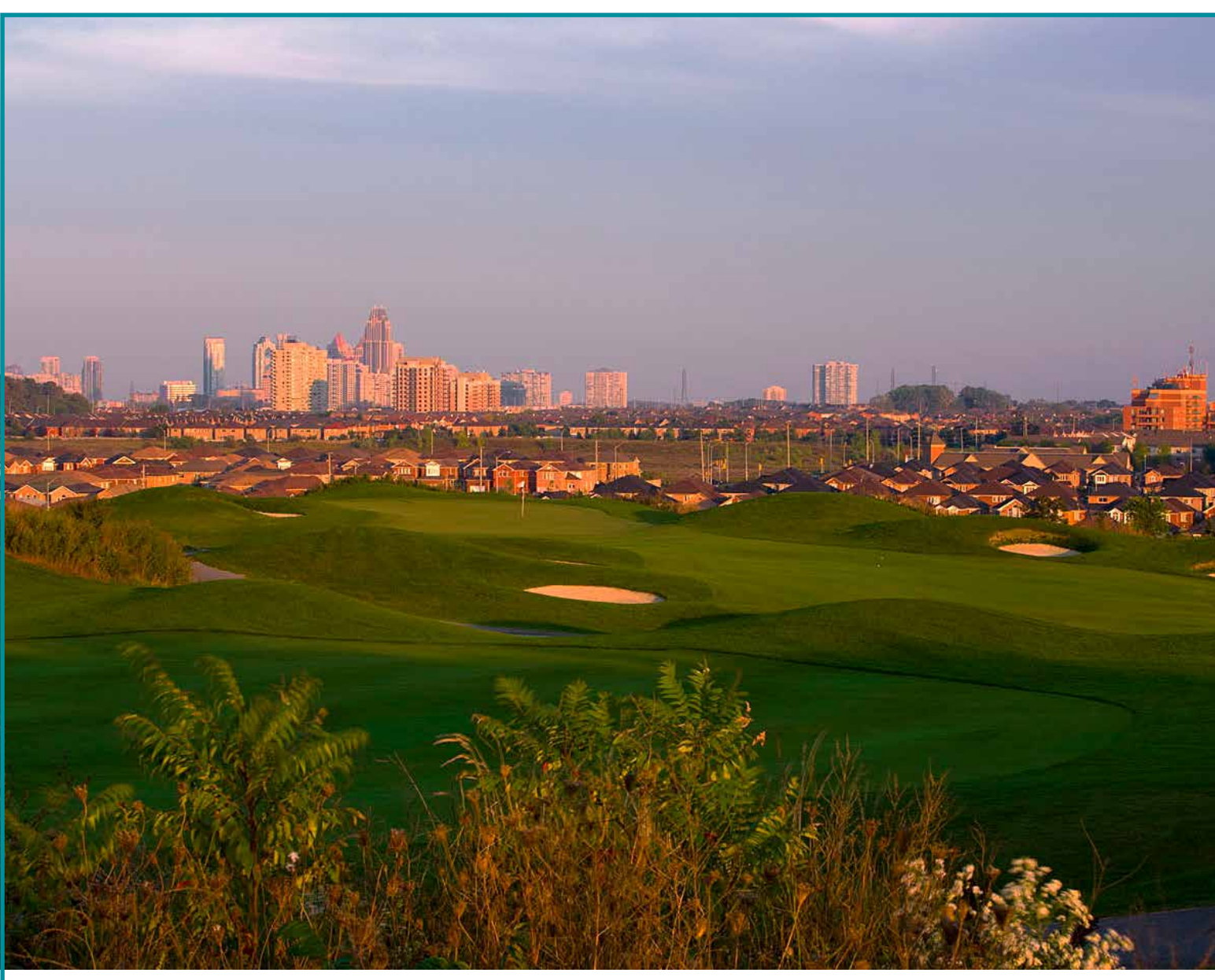
Post-closure use will need to reflect current City of Hamilton land use planning controls, which currently intends the site to become open space and/or recreational uses. Uses may include:

### Community Passive:

- Passive natural park
- Community floral gardens
- Native pollinator gardens
- Botanical Gardens
- Bird sanctuary
- Community Vegetable Gardens
- Accessible hiking and walking trails
- Fauna observatories
- Bat habitat
- Raptor habitat
- Niagara Escarpment Interpretative Centre



Heritage Green Passive Park



Braeben Golf Course, Mississauga  
(photo credit: scoregolf.com)

### Community Recreational:

- Baseball diamonds
- Soccer pitches
- Rugby field
- Running track and ovals
- Bike pump track
- Ice-skating
- Cross country skiing
- Toboggan hills
- Skateboard ramps
- Playground equipment
- Golf

### Community Entertainment:

- Naturalized Concert or Theatrical Amphitheatre
- Occasional movie projection
- Community Picnic Grounds
- Community Pavilion
- Model plane and helicopter area
- Light free astronomy observation areas



Toronto Jazz Festival



## About Terrapure and the Proposal at a Glance



### **Who:**

Terrapure Environmental (Terrapure) is a leading Canadian provider of innovative, cost-effective environmental services and recycling solutions that help address industry's most complex environmental challenges.

The company's Stoney Creek Regional Facility (SCRF) receives residual material from industry and infrastructure projects, primarily from customers within the City of Hamilton.



### **What:**

Terrapure is in the process of completing an Individual Environmental Assessment (EA) seeking approval to increase the capacity for solid, non-hazardous industrial residual material at the SCRF by 3,680,000 m<sup>3</sup> accepted on-site. Throughout this process there will be extensive consultation with the community and other stakeholders.



### **When:**

Terrapure began the Terms of Reference step in June 2016. The Environmental Assessment phase began in November 2017. We expect that the EA Report will be submitted to the Minister of the Environment and Climate Change for review and approval by late fall 2019.



### **Where:**

The Stoney Creek Regional Facility is located at 65 Green Road West in Hamilton and has been in operation for the last 21 years.



## Benefits to the Community and the Economy

Terrapure is proposing to add capacity for solid, non-hazardous industrial residual material at the SCRF by 3,680,000 m<sup>3</sup> accepted on-site. If approved this proposal bring advantages to the City of Hamilton, the local economy and the community of Upper Stoney Creek, including:

### Community of Upper Stoney Creek

- Total additional payments of \$7 million to the Heritage Green Community Trust (HGCT) to support local charitable, educational and community initiatives.
- This is in addition to the \$11 million invested in the community by Terrapure to date.



### City of Hamilton

- Total additional payments of \$2.2 million per year or \$22-24 million over the potential future life of the facility.
- Additional royalty payments for every tonne of material received each year at the SCRF totalling \$7 million over the potential future life of the facility. In addition to the \$11 million paid by Terrapure to the City to date.
- Continue to support City of Hamilton development / redevelopment projects.



### Hamilton Economy

- Continue to support the growth needs of the local economy. Approximately 50% of the residual material received each year at the SCRF comes from Hamilton-based customers
- If the proposal does not proceed, the additional costs to local industry beginning around 2020 is estimated to be between \$5 million and \$17 million per year to transport and dispose of residual materials at other facilities.
- Continue to generate over \$29 million per year or a total of \$350 million to \$370 million over the potential future life of the facility in economic activity in the City of Hamilton.



generously funded by  terrapure

*"On behalf of our schools and students, I would like to thank Terrapure for your generous support. The students involved in the Bishop Ryan Celt-X Robotics team as well as our elementary students who participated in the Mad Science "Love Your Lungs" Project have benefitted a great deal from the grants you have provided."  
Patrick Daily, HWCSB Board Chair (May, 2017)*



## The Stoney Creek Regional Facility Engineered Liner System

The Stoney Creek Regional Facility is a highly engineered site. In fact, its design has been called “state of the art” by an independent panel of experts.

The site includes a double-liner system that ensures maximum environmental protection. There are two layers of liner that act as a barrier between the waste and the natural environment. Together, these two layers are approximately 3 metres or 10 feet thick.

**We have been in operation for 20 years and have never had an incident affecting human health or the environment**

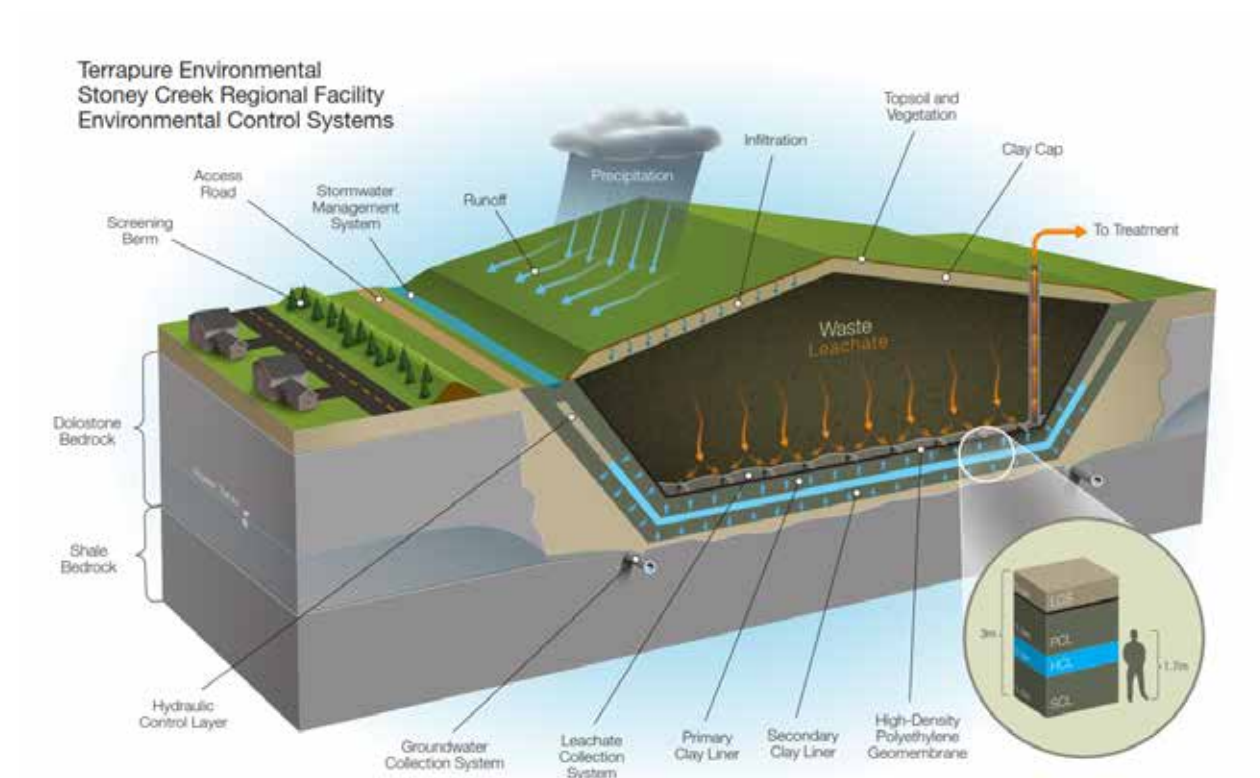
### TERRAPURE STONEY CREEK REGIONAL FACILITY Engineered Liner System



- ▶ **1. THE LEACHATE COLLECTION SYSTEM**  
A 0.35 m (1.15ft) layer of 19 mm clear stone, 0.15 m (0.5 ft) of Granular 'A' and a network of 200 mm diameter perforated HDPE pipe to collect leachate from within the site. The collected leachate is discharged to an appropriate licenced treatment facility.
  - ▶ **2. THE SYNTHETIC LINER**  
A continuous 80 mil high-density polyethylene membrane with welded seams.
  - ▶ **3. THE PRIMARY CLAY LINER**  
A 1m (3.3ft) layer of recompacted clay that meets rigorous density and moisture requirements.
  - ▶ **4. THE HYDRAULIC CONTROL LAYER**  
A 0.5m (1.65 ft) layer of 50mm (2") clear stone. Once landfilling is complete, the Hydraulic Control Layer is filled with water to maintain hydraulic pressure outside the site, forcing water to flow toward the landfill and ensuring no discharges to the environment.
  - ▶ **5. THE SECONDARY CLAY LINER**  
A 1m (3.3 ft) layer of recompacted clay that meets rigorous density and moisture requirements.
  - ▶ **6. THE GROUNDWATER COLLECTION SYSTEM (Not Shown)**  
A series of trenches filled with crushed stone beneath the site to facilitate groundwater pumping.
- THE FINAL COVER SYSTEM (Not Shown)**  
Once complete, the site will have a cap consisting of 0.6 m (1.97 ft) of recompacted clay and 0.15 m (0.5 ft) of vegetated topsoil.

## The SCRF Engineered Liner System

The highly engineered site ensures maximum environmental protection through a double-liner system and extensive leachate and groundwater collection systems. Below is a cross-section of the landfill site which shows the environmental controls in place to protect the natural environment and the surrounding community.



Berm is a mound of earth that visually blocks the view of the SCRF

Shale Bedrock is a mix of clay and parts of other minerals

Hydraulic Control Layer (HCL) is confined between the two compacted clay liners and is used to create a “hydraulic trap” and to monitor for unexpected leakage through the primary liner during the Facility-operating period

Leachate is water that passes through the waste

High-Density Polyethylene Geomembrane is a liner used to contain the leachate

Dolostone Bedrock is sedimentary carbonate rock composed mostly of the mineral dolomite

Stormwater is water that comes from rain and snow, and flows over land and into drainage systems

Primary Clay Liner (PCL) and Secondary Clay Liner (SCL) are naturally dense layers of clay material used to contain leachate



# The Options

## Option 1-Reconfiguration: *Return to the 1996 approved landfill footprint*

Current Approved Footprint

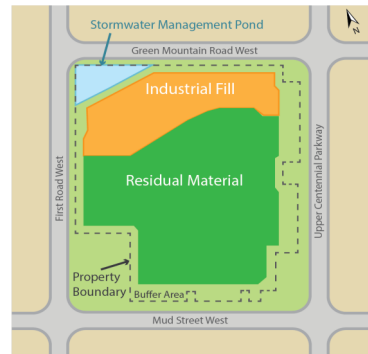


Figure not to scale

Option 1



Figure not to scale

**Capacity Change:**  
2.5 million m<sup>3</sup> increase in residual material

**Height Change:**  
No height increase

**Footprint Change:**  
No change in footprint

## Option 2-Footprint Expansion: *Expand footprint into existing buffer area*

Current Approved Footprint

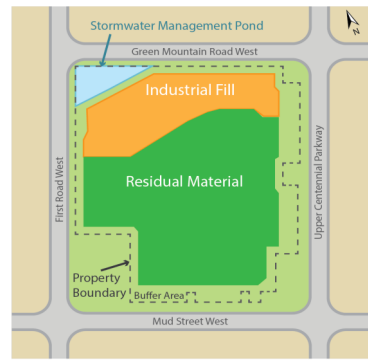


Figure not to scale

Option 2



Figure not to scale

**Capacity Change:**  
1.1 million m<sup>3</sup> increase in residual material

**Height Change:**  
No height increase

**Footprint Change:**  
Expand residual material area footprint, maintain minimum 30m to SCRF property

## Option 3-Height Increase: *Increase height within existing footprint*

Current Approved Footprint

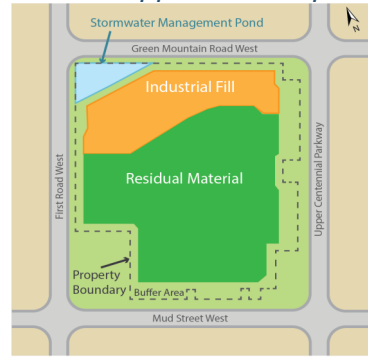


Figure not to scale

Option 3



Figure not to scale

**Capacity Change:**  
3.68 million m<sup>3</sup> increase in residual material

**Height Change:**  
Height increase of 11 m

**Footprint Change:**  
No change in footprint





# The Options

## Option 4-Reconfiguration and Footprint Expansion: *Replace industrial fill with residual material and expand footprint into existing buffer area*

Current Approved Footprint



Figure not to scale

Option 4



Figure not to scale

**Capacity Change:**

3.3 million m<sup>3</sup> increase in residual material

**Height Change:**

No height increase

**Footprint Change:**

Expand residual material area, maintain a 30m minimum to the SCRF boundary

## Option 5-Reconfiguration and Height Increase: *Replace industrial fill with residual material and*

Current Approved Footprint

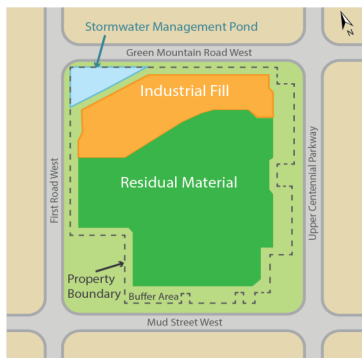


Figure not to scale

Option 5



Figure not to scale

**Capacity Change:**

3.68 million m<sup>3</sup> increase in residual material capacity

**Height Change:**

Height increase of 2.5 m

**Footprint Change:**

No change in footprint

## Option 6-Footprint Expansion and Height Increase: *Expand footprint and increase height*

Current Approved Footprint

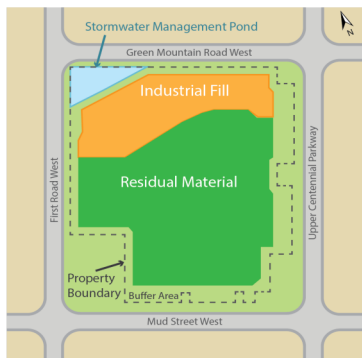


Figure not to scale

Option 6

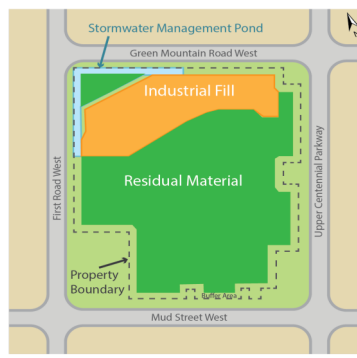


Figure not to scale

**Capacity Change:**

3.68 million m<sup>3</sup> increase in residual material capacity

**Height Change:**

Height increase of 8 m

**Footprint Change:**

Expand residual material area, maintain a 30m minimum to SCRF property boundary

## Comparative Evaluation of Options Summary

	Environmental Component	Evaluation Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
<b>Built</b>	<b>Land Use</b>	Effect on existing land uses	●	●	●	●	●	●
		Effect on views of the facility	●	●	●	●	●	●
		<i>Rationale</i>	Options 1,2,4 and 5 are all more preferred because there is either no proposed height increase or a relatively low height increase and the views can be minimized through screening. Options 3 and 6 are less preferred because there is a relatively greater height increase and the views cannot be fully minimized through screening.					
<b>Economic</b>	<b>Economic</b>	Effect on approved/planned land uses	●	●	●	●	●	●
		Economic benefit to the City of Hamilton and local community	●	●	●	●	●	●
		<i>Rationale</i>	Options 3,5 and 6 are all more preferred because they would yield the highest benefit to the City of Hamilton and local economy in terms of economic activity and jobs. Options 1, 2 and 4 are less preferred because they all result in the lowest economic benefit to the City and local economy.					
<b>Cultural</b>	<b>Archaeology and Built Heritage</b>	Effect on known or potential significant archaeological resources	●	●	●	●	●	●
		Effect on built heritage resources and cultural heritage landscapes	●	●	●	●	●	●
		<i>Rationale</i>	All Options are equally preferred from a Cultural Environment perspective because no cultural or heritage landscapes would be disturbed or displaced and the site has been previously excavated and disturbed for quarrying. Therefore, no archaeological resources would be adversely affected.					
<b>Natural</b>	<b>Geology &amp; Hydrogeology</b>	Effect on groundwater quality	●	●	●	●	●	●
		Effect on groundwater flow	●	●	●	●	●	●
		<i>Rationale</i>	All Options are equally preferred from a groundwater quality and flow perspective because no adverse effects are expected.					
	<b>Surface Water Resources</b>	Effect on surface water quality	●	●	●	●	●	●
		Effect on surface water quantity	●	●	●	●	●	●
		<i>Rationale</i>	Options 1,3 and 5 are all more preferred because they maintain the site's existing stormwater management ponds. Options 2, 4 and 6 are all less preferred because the site's existing stormwater management ponds would need to be relocated/redesigned to accommodate the proposed footprint.					
	<b>Terrestrial &amp; Aquatic Environment</b>	Effect on terrestrial ecosystems	●	●	●	●	●	●
		Effect on aquatic ecosystems	●	●	●	●	●	●
		<i>Rationale</i>	All Options are equally preferred because they would all have a low potential for adverse effects to the terrestrial and aquatic ecosystems, which would be further minimized through the use of standard mitigation measures.					

	Environmental Component	Evaluation Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Natural	Atmospheric Environment	Effect of air quality on off-site receptors	●	●	●	●	●	●
		Effect of odours on off-site receptors	●	●	●	●	●	●
		Effect of noise on off-site receptors	●	●	●	●	●	●
		<i>Rationale</i>	All Options are equally preferred because there would be a low potential for adverse effects to area residents from a dust and noise perspective, which would be further minimized through the use of standard mitigation measures and no effects from an odour perspective.					
Social	Transportation	Effect on traffic	●	●	●	●	●	●
		<i>Rationale</i>	All Options are equally preferred because the number of trucks permitted at the site would remain unchanged resulting in no adverse effects on road user safety or intersection capacity.					
	Human Health	Air Quality	●	●	●	●	●	●
		Leachate Quantity	●	●	●	●	●	●
		Groundwater Quality	●	●	●	●	●	●
		Surface Water Quality	●	●	●	●	●	●
		Soil Quality	●	●	●	●	●	●
<i>Rationale</i>	Option 3 is considered preferred from a human health perspective. All other options are considered less preferred, but would have a low potential for adverse effects with the continuation of the existing site's mitigation measures augmented with additional Best Management Practices, where proposed, and on-going monitoring.							
Technical	Design & Operations	Potential to provide service for disposal	●	●	●	●	●	●
		Leachate Management	●	●	●	●	●	●
		Stormwater Management	●	●	●	●	●	●
		Construction	●	●	●	●	●	●
		Site Operations	●	●	●	●	●	●
		Closure and Post-Closure	●	●	●	●	●	●
		Cost of facility	●	●	●	●	●	●
	<i>Rationale</i>	Options 3 and 5 are both considered more preferred compared to the other Options from a design and operations perspective including their ability to provide the additional capacity being sought through the EA, but Option 3 is more preferred because it would be easier to construct and have a lower overall capital cost.						
		● No Negative or Positive Net Effect	● Low Negative Net Effect	● Moderate Negative Net Effect	● High Negative Net Effect			

The currently approved footprint is included as part of the Environmental Assessment to represent what would happen if none of the six options were carried out. It was considered a benchmark to measure and compare the environmental advantages and disadvantages

## How the Options Were Evaluated

The six options were evaluated using the Reasoned Argument or “Trade-off” approach:

1. First, how each option may potentially affect each component of the environment was determined. Then impact management measures were developed to offset any potential adverse environmental effects. Following the application of the impact management measures, the residual or net effects were established.
2. Next, each option’s net effects were compared against the other option’s net effects to determine their relative advantages and disadvantages.
3. This comparison considers trade-offs between the various evaluation criteria. Trade-offs are “things of value given up in order to gain different things of value”. Essentially, this involves a balancing of attributes, all of which are not attainable at the same time.
4. Finally, each option was ranked based on their relative advantages and disadvantages to identify a recommended option.

**In the Reasoned Argument approach, none of the criteria or components of environment are weighted any higher or lower than others.**

**All environmental components are instead evaluated in terms of their trade-offs with other environmental components.**

## What We Heard from Community Members

Input on the six options from the public and other key stakeholders was also considered. The following feedback was received at the first Open House:

- In general, the public expressed a preference for options that included no or little height increase and for options that allowed the SCRF to close as soon as possible.
- One member of the public expressed preference for options that did not change the footprint.
- Some community members expressed preference to keep the original capacity or felt that none of the options was preferred.
- Additional comments related to the potential impacts that should be considered, including odour, height/visual impact, property values, recent population expansions, animals, groundwater, and surface water.

The recommended Option #5 has the lowest net effects of any of the options when assessed against 9 different environmental components. It strikes the right balance of minimizing potential adverse environmental effects and minimizing a height increase, while also accommodating the identified additional capacity that was outlined in the approved Terms of Reference so Terrapure can continue to serve and support the growing local economy.



**APPENDIX D**  
**Public & Online Open House #2**  
**Comment Sheets**

# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other : \_\_\_\_\_

## Open House Evaluation Questions

On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ ~~5~~

Comment: \_\_\_\_\_

2. The location of the Open House was convenient for me.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ ~~5~~

Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ ~~5~~

Comment: \_\_\_\_\_

4. The purpose of the Open House was clear.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ ~~5~~

Comment: \_\_\_\_\_

5. The information presented was clear and relevant.

~~○~~ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ 5

Comment: \_\_\_\_\_



6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

0 1 2 3 4 5 (0 is marked with an X)

Comment: \_\_\_\_\_

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

0 1 2 3 4 5 (3 is marked with an X)

Comment: \_\_\_\_\_

8. Do you have any suggestions for how we can improve for our next event?

(1) MORE TECHNICAL STAFF FROM TERRAPURE - STAFF UNABLE TO ANSWER QUESTIONS
(2) MOECC - NOT PRESENT

Five horizontal lines for additional suggestions

If you would like to provide additional comments, please do so on the additional sheets provided.

Please submit your completed evaluation sheet on your way out or present it to any GHD or Terrapure representative.

Thank you for your participation!

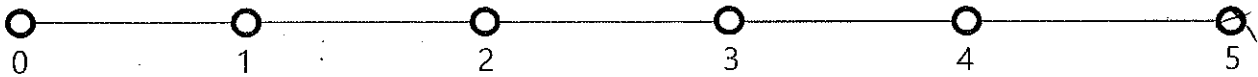
# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other: Brochure in mail

## Open House Evaluation Questions

On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.



Comment: \_\_\_\_\_

2. The location of the Open House was convenient for me.



Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.



Comment: \_\_\_\_\_

4. The purpose of the Open House was clear.



Comment: \_\_\_\_\_

5. The information presented was clear and relevant.



Comment: \_\_\_\_\_





6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

0 1 2 3 4 5

Comment: \_\_\_\_\_

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

0 1 2 3 4 5

Comment: \_\_\_\_\_

8. Do you have any suggestions for how we can improve for our next event?

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If you would like to provide additional comments,  
please do so on the additional sheets provided.

Please submit your completed evaluation sheet on your way out or present it to  
any GHD or Terrapure representative.

*Thank you for your participation!*

# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other : \_\_\_\_\_

## Open House Evaluation Questions

On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4       ○ 5

Comment: \_\_\_\_\_

2. The location of the Open House was convenient for me.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4       ○ 5

Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4       ○ 5

Comment: Actual technicians would be ideal.  
(Terrapene)

4. The purpose of the Open House was clear.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4       ○ 5

Comment: Not Really

5. The information presented was clear and relevant.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4       ○ 5

Comment: Not Really



6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

0 1 2 3 4 5

Comment:

For the volume of ppl only 3/4 Terra  
Peltz

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

0 1 2 3 4 5

Comment:

8. Do you have any suggestions for how we can improve for our next event?

Great Show - No technical advice  
or knowledge.

If you would like to provide additional comments,  
please do so on the additional sheets provided.

Please submit your completed evaluation sheet on your way out or present it to  
any GHD or Terrapure representative.

*Thank you for your participation!*

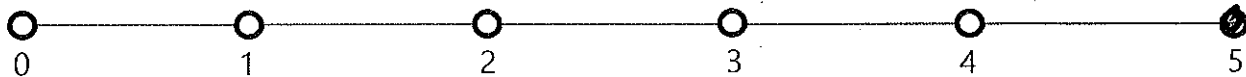
# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other : WORK.

## Open House Evaluation Questions

On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.



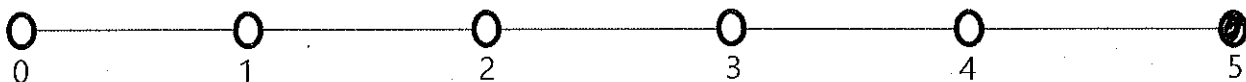
Comment: \_\_\_\_\_

2. The location of the Open House was convenient for me.



Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.



Comment: \_\_\_\_\_

4. The purpose of the Open House was clear.



Comment: \_\_\_\_\_

5. The information presented was clear and relevant.



Comment: \_\_\_\_\_



6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

0 — 1 — 2 — 3 — 4 — 5

Comment: \_\_\_\_\_

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

0 — 1 — 2 — 3 — 4 — 5

Comment: \_\_\_\_\_

8. Do you have any suggestions for how we can improve for our next event?

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If you would like to provide additional comments,  
please do so on the additional sheets provided.

Please submit your completed evaluation sheet on your way out or present it to  
any GHD or Terrapure representative.

*Thank you for your participation!*



# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other : WORK

## Open House Evaluation Questions

On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.

○ — ○ — ○ — ○ — ○ — ●  
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Comment: \_\_\_\_\_

2. The location of the Open House was convenient for me.

○ — ○ — ○ — ○ — ○ — ●  
0            1            2            3            4            5

Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.

○ — ○ — ○ — ○ — ○ — ●  
0            1            2            3            4            5

Comment: \_\_\_\_\_

4. The purpose of the Open House was clear.

○ — ○ — ○ — ○ — ○ — ●  
0            1            2            3            4            5

Comment: \_\_\_\_\_

5. The information presented was clear and relevant.

○ — ○ — ○ — ○ — ○ — ●  
0            1            2            3            4            5

Comment: \_\_\_\_\_



6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

0 1 2 3 4 5

Comment: \_\_\_\_\_

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

0 1 2 3 4 5

Comment: \_\_\_\_\_

8. Do you have any suggestions for how we can improve for our next event?

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*Thank you for your participation!*

# EVENT FEEDBACK

How did you hear about this event?  Letter  E-mail  Newspaper Article  Newspaper  
 Other: \_\_\_\_\_

## Open House Evaluation Questions

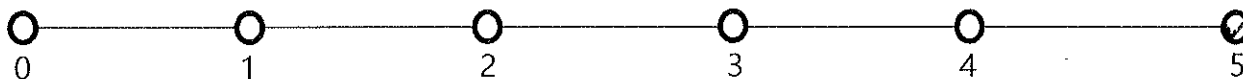
On a scale of 1 to 5, please rate the questions below. (0 - Strongly Disagree; 5 - Strongly Agree)

1. The date and time of the Open House suited my schedule.



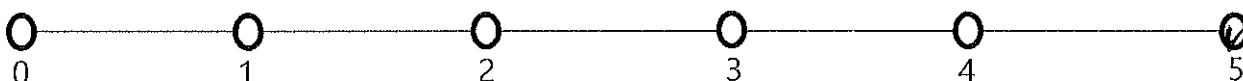
Comment: IT WAS INFORMATIVE BUT SCEPTICAL

2. The location of the Open House was convenient for me.



Comment: \_\_\_\_\_

3. I enjoyed the format of the event and found the stations easy to follow.



Comment: \_\_\_\_\_

4. The purpose of the Open House was clear.



Comment: \_\_\_\_\_

5. The information presented was clear and relevant.



Comment: STILL SCEPTICAL





6. Representatives from Terrapure and GHD were approachable and able to answer my questions.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ 5

Comment: \_\_\_\_\_

7. After attending the Open House, I feel more informed about the Stoney Creek Regional Facility and Environmental Assessment process.

○ 0      ○ 1      ○ 2      ○ 3      ○ 4      ○ 5

Comment: \_\_\_\_\_

8. Do you have any suggestions for how we can improve for our next event?

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If you would like to provide additional comments,  
please do so on the additional sheets provided.

Please submit your completed evaluation sheet on your way out or present it to  
any GHD or Terrapure representative.

*Thank you for your participation!*

## ADDITIONAL COMMENTS

Please add me to the Project contact list

Name : \_\_\_\_\_ Phone Number : \_\_\_\_\_

Address : \_\_\_\_\_

E-mail Address : \_\_\_\_\_

Please submit any comment forms on your way out or present them to any GHD or Terrapure representative. If you would prefer to provide your written comments at a later date, please direct them by April 20, 2018:

Terrapure Environmental  
65 Green Mountain Road West,  
Stoney Creek, ON L8J 1X5

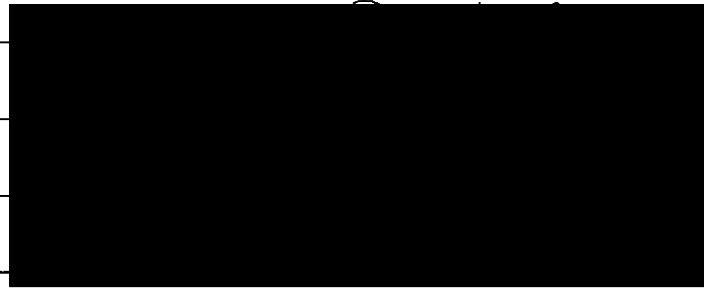
Fax: 905-549-4515 Email: [info@terrapurestoneycreek.com](mailto:info@terrapurestoneycreek.com) Website: [terrapurestoneycreek.com](http://terrapurestoneycreek.com)

*Thank you for your participation!*

my husband and I have concerns  
over the length of time this dump has  
been open + the quantity of  
materials being put in the dump.  
we have lived near the dump for  
the past 18 years. we have been  
told that it would be closed - but  
have numerous times this closing has  
been delayed + further waste products  
have been deposited. we do not want

to see another 8 feet being  
filled) - in height. we strongly  
are opposed to it. we know  
many of our neighbours have the  
same concerns. we do not want  
to see the overall levels rise  
by 8 feet. we hope our voices  
will be heard.

we have concerns regarding our  
property values - being so close to the  
dump + have concerns so our health  
as to how much product is put in it.  
we hope our opinions ~~are~~ concerns  
are addressed. after all we are  
residents who have to live near the  
dump. we would like to see it  
finally closed.



## ADDITIONAL COMMENTS

Please add me to the Project contact list

Name : \_\_\_\_\_

Phone Number : \_\_\_\_\_

Address : \_\_\_\_\_

E-mail Address : \_\_\_\_\_

Please submit any comment forms on your way out or present them to any GHD or Terrapure representative. If you would prefer to provide your written comments at a later date, please direct them by April 20, 2018:

Terrapure Environmental  
65 Green Mountain Road West,  
Stoney Creek, ON L8J 1X5

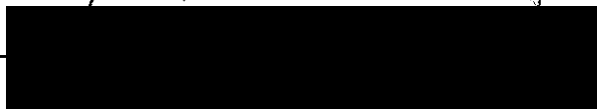
Fax: 905-549-4515 Email: [info@terrapurestoneycreek.com](mailto:info@terrapurestoneycreek.com) Website: [terrapurestoneycreek.com](http://terrapurestoneycreek.com)

*Thank you for your participation!*

*So AFTER many calls to THE MOE in Toronto & THE city health people I NEVER GOT ANY CLEAR ANSWERS. I ASKED FOR AIR monitor RESULTS & WAS NEVER SENT THEM. Went TO THE LIBRARY & pulled TERRAPURE documents & THE wind & dust EVALUATIONS were kind of ~~big~~ VAG TO ME. I AM NOT A SCIENTIST BUT I KNOW THAT DUMPING 70 TO 80 TIPS pure day WITH THE prevailing winds going*

North over the Houses on Green Mountain Rd we all know that sucking dust into our bodies is not good. I have a better understanding of the Landfill but for me to trust what is happening I still am very sceptical of the Landfill

- Dust particulate - dust is not good to breathe. Depending on size & quantity of dust inhaled. Long term exposure to dust, can cause ill effects to your health. I believe that the health studies are inconclusive because it hasn't been long enough to determine health risks to the people that live north of Green Mountain Rd. This is my opinion & my opinion only



## ADDITIONAL COMMENTS

Please add me to the Project contact list

Name :

Phone Number :

Address :

E-mail Address :

Please submit any comment forms on your way out or present them to any GHD or Terrapure representative. If you would prefer to provide your written comments at a later date, please direct them by April 20, 2018:

Terrapure Environmental

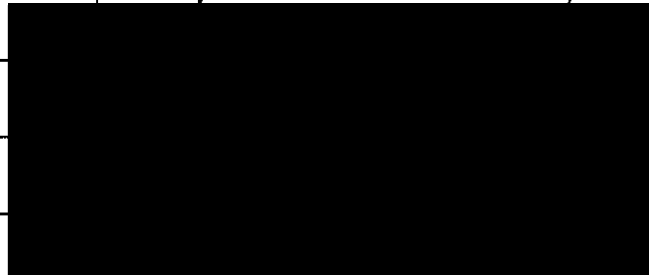
65 Green Mountain Road West,

Stoney Creek, ON L8J 1X5

Fax: 905-549-4515 Email: [info@terrapurestoneycreek.com](mailto:info@terrapurestoneycreek.com) Website: [terrapurestoneycreek.com](http://terrapurestoneycreek.com)

*Thank you for your participation!*

AFTER contacting THE MOC of the  
CITY & listening to what THEY HAD  
TO SAY TO ME I AM STILL VERY  
SKEPTICAL OF THE LANDFILL  
& what IMPACT IT WILL HAVE IN  
30 YEARS. on the people that  
LIVE NEAR & AROUND THE LANDFILL  
THIS IS MY OPINION & MY OPINION ONLY





## Comments Received from the Online Open House

Submitted On	1. Do you have any comments or feedback on how the Recommended Option 5 was selected	2. Do you have any additional comments or feedback on how Terrapure will consider the natural environment and surrounding community during the next phase of the EA the Impact Assessment
4/3/2018 16:06	I strongly oppose to increase the site's height. The air quality is already poor and visually, I can see the dumpster from around Isacc Brock street. The dump has to be shut down.	Shut the dumpster down, please. Think about the health of the infants, toddlers, boys, and girls around the facility.
4/6/2018 11:47	Thank you for presenting the plans and options. However never once have I read what exactly is being stored at this facility .....it would be nice to have this broken down...what exactly are you storing over there and it is at all being recycled, can it be reused? You stress that it is non hazardous - and if this is the case, why not elucidate what is being stored at the facility. With all of the new housing development I think this raises some questions that really need answers.	<p>I am concerned about how much will be done to actually make the property look acceptable. I do not find the fencing with the black all that great to look at and with the recent winds, that black plastic blew everywhere and was really ineffectual. I do not see trees being planted and from my vantage point, I can see right into the facility. Why would I wish to see it grow higher when I can see it from here at the height it is.</p> <p>Additionally, you say that there is no harm to me as far as health is concerned, but the smell on the days that the visibility is low is really strong and not nice.</p> <p>I understand and appreciate that providing a source of capital to the city is important but hopefully not at the cost of beauty.</p>
4/17/2018 12:49	I strongly opposed to any of these expansion options.	I strongly opposed to any of these expansion options.
4/19/2018 16:34	I believe that the Environmental Components selected by Terrapure to make this decision were not appropriate and resulted in the outcome that Terrapure had desired at the outset. Of the 9 Environmental Components, 5 had no differentiation amongst the 6 options (Archaeology, Geology,	Terrapure talks about considering the natural environment and listening to the wishes of the community, but their actions never support this talk. If they truly cared about the environment in Upper Stoney Creek, they would stop adding to the current eyesore they have created with this site, and if



<p>Terrestrial, Transportation, and Atmospheric), 2 more had only an insignificant difference (Surface Water and Human Health) leaving only 2 (Land Use, Visual, Economic and Design &amp; Operations) to base the decision on. I also believe that the criteria and scoring of these 2 remaining components was incorrect.</p> <p>Land Use, Visual, Economic - for the Criteria "Effect on Views of the Facility", Option #1 should be green as there is no change to the current approval as Industrial Fill is replaced by Residual Material, and Option #5 should be at least orange as it represents a 2.5 meter height increase.</p> <p>Design &amp; Operations - Option #1 is red for the criteria "Potential to Provide Service for Disposal" meaning Terrapure's ability to maximize revenue. This should be orange or yellow as all options allow for Terrapure to increase revenue from the existing site license.</p> <p>In the "What We Heard from Community Members" section, Terrapure states "In general, the public expressed a preference for options that included no or little height increase and for options that allowed the SCRF to close as soon as possible". Yet Terrapure in forming their Environmental Components excluded closure date entirely, and had only 1 criteria for visual that as stated above was incorrectly scored. At a minimum, in the Transportation Component, Option 1 should be green and Option #5 red to reflect the later closure date for Option #5. If you make these changes (or add Closure Date as a criteria), you would not be able to state that Option #5 had the fewest net effects.</p> <p>In summary, the items that were stated to be important to the community were not adequately represented in the selection components and the only "red mark" against Option #1 was that it didn't allow Terrapure to make enough money. So, yes I disagree with the methodology used to select Option #5.</p>	<p>they actually cared at all for the community they would respect the citizens request to not increase further the height of the landfill and to close the site as soon as possible by recommending Option #1, as compared to Option #5 that maximizes Terrapure's revenues at the expense of the community.</p> <p>The amendment that Terrapure pushed through in 2013 that allowed for an additional 2 million cubic meters of Industrial Fill in hindsight looks like a very bad outcome for the community as both Option #1 and Option #5 walk away from the Industrial Fill requirement but the net effect was to increase the overall site capacity from 6.32 million m3 to 8.32 million m3. It is my understanding that Terrapure has already exceeded the final approved height of the landfill by 2.5 meters in anticipation of getting approval from the Ministry for Option #5. That is really troubling.</p> <p>The community is relying on the Ministry to ensure that another bad outcome in the form of Option #5 is not approved.</p>
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4/20/2018 0:44	<p>The PR presentation was quite impressive, but did not deter me from my original and only opinion on the Terrapure site. This dump should have been capped in 2016 as planned and not expanded in any way. As for supporting the local economy, I cannot condone the damage it has done to our local environment, and will continue to do so for approx. the next 14 yrs.</p> <p>The trucks keep rolling in, and no doubt making quite a profit for Terrapure.</p>	Quite interesting to read about Terrapure Pollinator Paradise Project, no comment on that one.....
4/20/2018 22:29	<p>I had the opportunity to attend the Open House and talk extensively with consultants and staff. One fundamental concern I have is the fact that, while the current scenario was used as the baseline against which all of the proposed landfill expansion options were assessed, it was not included in the various charts comparing options. This made it very problematic to really get a sense of the impacts of the current operation versus the various options being proposed.. It also sent the message that a landfill expansion is pretty much a done deal - even though that is not the case at this point in the process. When I asked about the baseline (current scenario) situation, I was told that there is a report available that runs through the baseline data. I think this data should have been incorporated into presentation panels so that members of the community could easily see how the current situation and the various proposed expansion options all compare.</p> <p>I also continue to be concerned about the plans to expand the capacity at the landfill site. The proposed expansion scenarios are significant and will require importing waste from well outside of Hamilton .</p> <p>Finally I am concerned about the use of the terms industrial fill and residual material first because I do not think that this terminology is consistent with what the MOECC uses to</p>	Again, I believe the company needs to help the public to understand how the baseline scenario and the proposed options compare. I also understand that some community members are concerned that they are only hearing the company and its consultants perspectives on the expansion plans. It leaves me wondering whether there is any room to support intervenor funding so that community members can seek out the input of independent experts regarding the proposals being put forward. This was once a standard part of provincial environmental assessment.



	<p>describe these different materials. The material that will be landfilled is 'non-hazardous industrial waste' and, I believe it should be referred to as such. The community needs to understand that the preferred option will result in non-hazardous industrial waste' being landfilled as far north into the site as possible.</p>	
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<b>Submitted On</b>	<b>Do you have suggestions on how else you would like to participate</b>	<b>Do you have any feedback on this online open house</b>
4/3/2018 16:07	no	no
4/6/2018 11:48		I appreciate the opportunity to read through and understand both the process and the proposal.
4/17/2018 12:49	I strongly opposed to any of these expansion options.	I strongly opposed to any of these expansion options.
4/19/2018 16:36		I appreciate the opportunity to provide feedback through the Online Open House.

<b>Submitted On</b>	<b>If you have additional comments please provide them below</b>
4/20/2018 1:00	Please note, that the black plastic sheets which are apparently in place to hide the dump, hang off most of the time in a most unsightly manner, which doesn't help the situation.
4/20/2018 16:41	None of these options are acceptable. This site needs to close. We have been dealing with this for far too long. You are too far above grade and the footprint is too big.

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