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# Table of Contents



## Executive Summary



The classrooms generated the highest sample mass (48.94% ) which consisted p



The garbage sample consisted of 15.93% Mandatory Recyclables, 26.66% Other Recyclables, and 57.41% Other (Non-Recyclable) material.

The **Mandatory Recyclables** in the garbage stream consisted of (in % of total sample mass):

Fine



increase





## 1. Introduction

Greater Essex  
Council



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*Table*



## 4.3



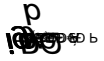
*Figure 1a: Contamination Rate by Sampled Stream*

*Figure 1b: Contamination Rate by Sampled*



*Figure 2a: Red Box Sample Composition  
(kg and % of sample stream)*

Roughly 8.81% of the Red Box sample was contaminated with Blue Box material or garbage. The breakdown of contamination is shown in the figure below.



*Figure 2b: Red*





Figure

*Figure*



figure below.



#### 4.4.3 Garbage Sample Composition and Contamination

The garbage sample consisted of 57.41% garbage material, 27.88% Red Box material, 14.12% Blue Box material, and 0.55% Special Items (textiles). The sample composition is shown in the figure below.

*Figure 4a: Garbage Sample Composition  
(% of total sample mass and kg)*

Roughly 42.55% of the garbage stream sample was contaminated with Red Box material, Blue Box material, or Special Items (textiles). A breakdown of the contamination is shown in the









*Table 5: Breakdown of Other Recyclables in*



## 4.6 Estimated Annual Quantities Generated

The annual quantity was 2,100 lbs.

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Capture Rate = Total Divertible Material Captured (3Rs) x





**Garbage Stream** - the garbage had the highest sample mass and consisted primarily of paper towels



The Site diverts 32.15% of generated waste through existing programs, below the objective of 60%. The capture rate is 51.03%. There are opportunities to improve the diversion rate and capture rate further.

## 8.1 Improve Existing Waste Diversion Programs

Improving the following existing diversion programs could improve waste diversion rates.

### Mandatory Recyclables

**Fine paper** — 1.03 MT of material is estimated to be generated annually in the garbage stream. Diverting this through the Red Box stream could increase the diversion rate up to 5.85% and could increase the capture rate up to 5.23%.

**Cardboard** — 0.55 MT of material is estimated to be generated annually in the garbage stream. Diverting this material through the existing Red Box stream could increase the waste diversion rate up to 3.09% and could increase the capture rate up to 5.23%.

**Aluminum** — 0.21 MT of material is estimated to be generated annually in the garbage stream. Diverting this material through the existing Blue Box stream could increase the waste diversion rate up to 3.09% and could increase the capture rate up to 5.23%.

**Steel** — 0.12 MT of material is estimated to be generated annually in the garbage stream. Diverting this material through the existing Blue Box stream could increase the waste diversion rate up to 3.09% and could increase the capture rate up to 5.23%.

1

§.mnp



- Aseptic containers - 0.13



## 8.5 Continuous Monitoring and Process Improvement

Track year-over-year changes in waste diversion capture rates and communicate progress to staff and students to encourage further participation/engagement.

Continuous monitoring and reporting for this site annually and comparison with year-over-year changes would provide insight into trends, which can be used as a basis for policy decisions regarding solid waste management for future projects. Further refinements to programs/processes can be made, and adherence to provincial requirements can be achieved.



## Appendices



## Appendix A: List of Categories



Fine Paper

Includes mixed



## Coffee Cups











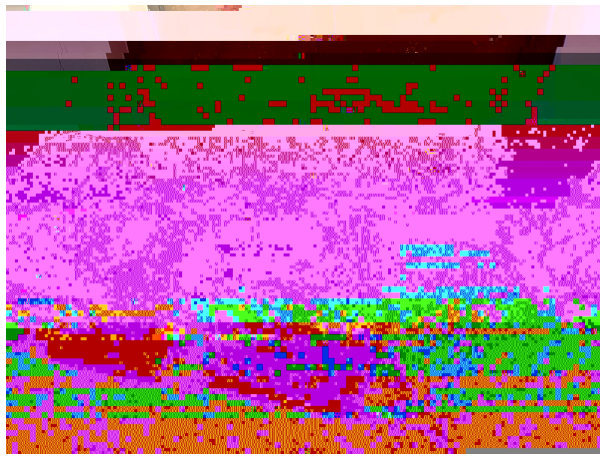
<p>Cold Beverage Wax-Lined Cups</p>	<p>All cups and containers have a plastic or wax lining. Multiple-layered, primarily fibre, hot/cold food and beverage containers are common in the fast food industry. This includes paper-based cups with a plastic lining, water cooler cups, freezer boxes, etc.</p>
<p>Black Plastics</p>	<p>Includes all Black Plastics #1-7 and unmarked. Also includes rigid, durable, and expanded Black Plastics and black plastic bags.</p>
<p>Expanded Polystyrene</p>	<p>This includes white, coloured, and black polystyrene foam packaging for food trays, clamshells, etc., as well as foam packaging for "peanuts" and foam blocks used to protect boxed products.</p>



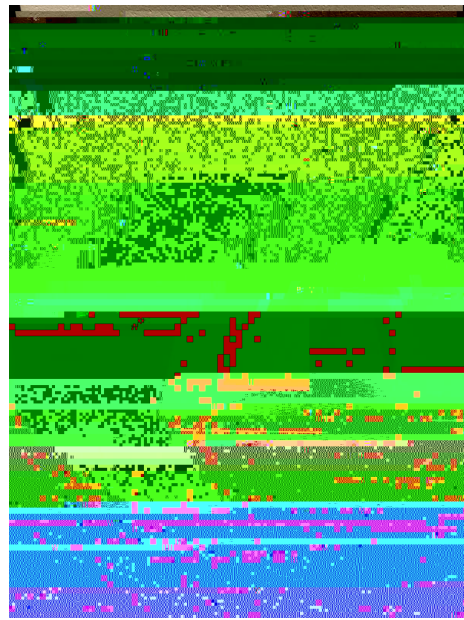




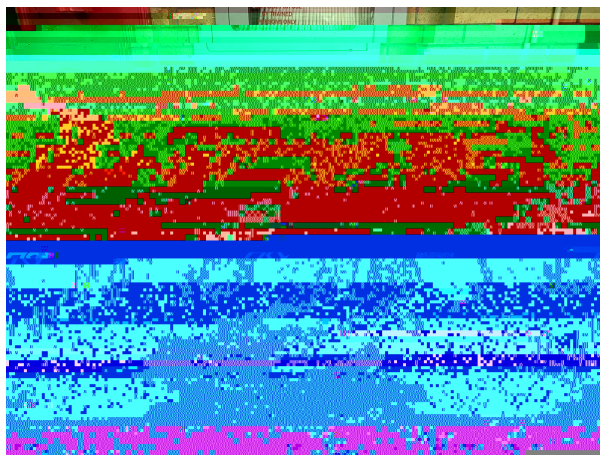
## Appendix E: Site Photographs



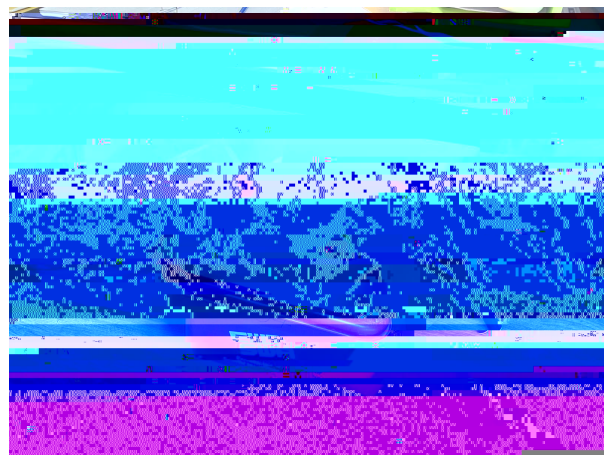
Site Tour - typical red box, blue box and garbage receptacles



Site Tour - garbage receptacle in hallway



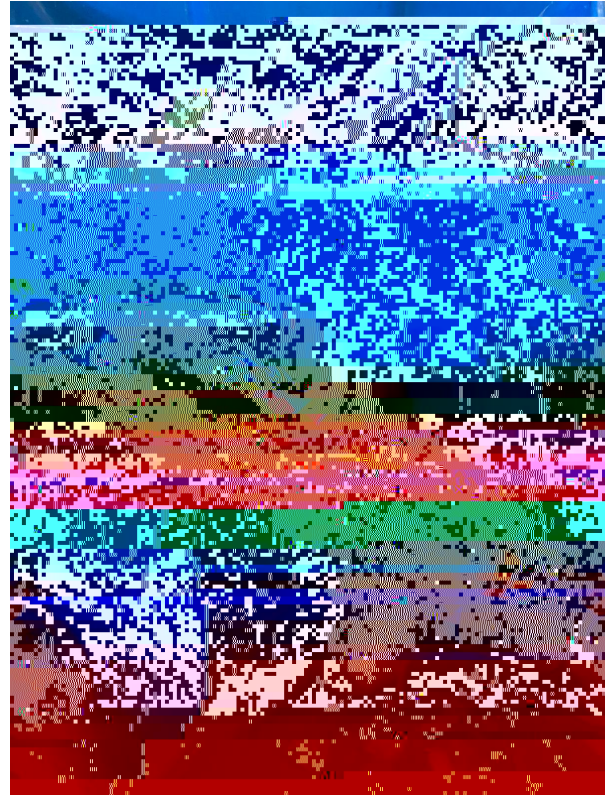
Site Tour - typical garbage and recycling receptacles in hallways



Site tour - typical blue box and red box receptacles in classrooms



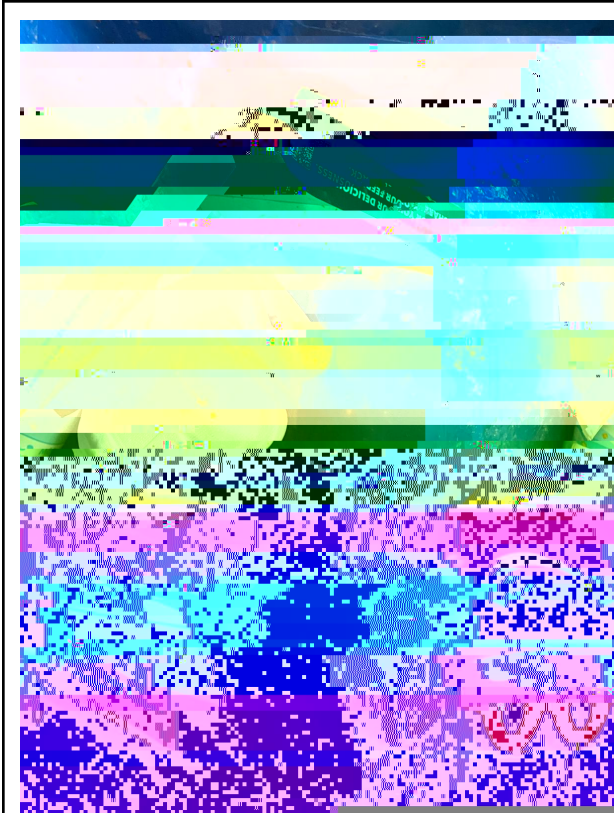
Waste audit - fine paper in the Red Box in the classrooms



Waste audit - PET #1 in the classroom garbage stream

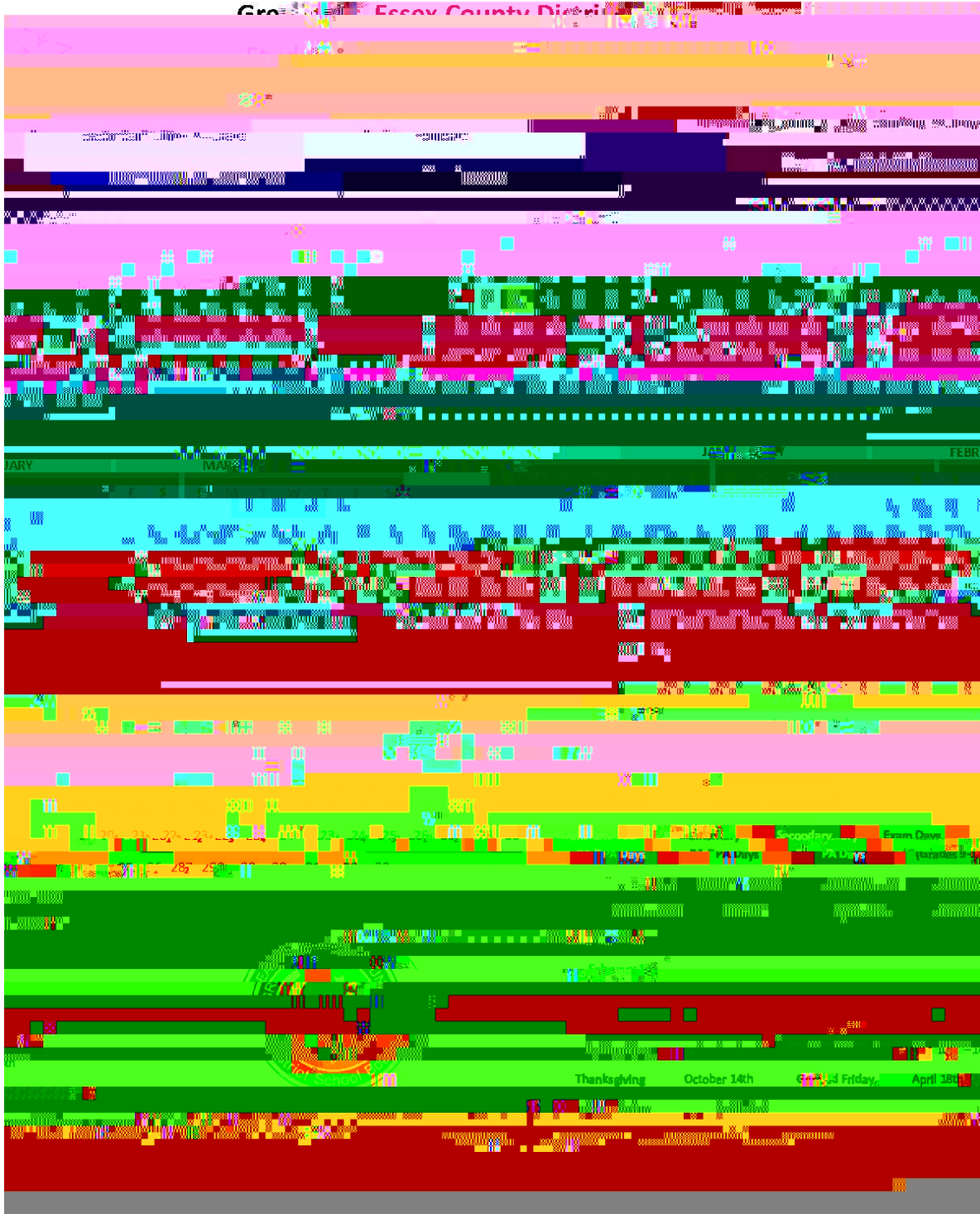






Waste audit - boxboard in the cafeteria  
garbage stream

## Appendix F: School Calendar



WRG | waste reduction group inc.

416-222-4554 | [info@waste-reduction.com](mailto:info@waste-reduction.com)

## Appendix G: Waste Audit and Reduction Work Plan