



# **Boundary Study**

**Sir John A. MacDonald S.S. and Kitchener-  
Waterloo C. & V.S.**

**Waterloo Region District School Board**

**Public Meeting**

**November 15, 2011**

# BACKGROUND

**In May of 2010, a Board-wide review was completed by The Ammendolia Group that examined the Board's secondary attendance boundaries.**

**The review was intended to look at the system as a whole and to determine the impact of boundary changes on not only the locally affected school but on surrounding schools as well.**

**Post WWII the Waterloo Region experienced significant increases in population which led to major infrastructure and development. Of the Board's 16 secondary schools, 9 were constructed between 1955-1969.**

**The Region is projected to grow significantly over the next 20 years which will present the Board with continued challenges in servicing an increasing and mobile population with schools that are geographically fixed.**

# STUDY PARAMETERS

- **Secondary boundaries should, to the extent possible, maximize the number of walkers, serve the local population and support the delivery of the core program.**
- **Only use satellite zoning when a natural boundary does not exist.**
- **The use of specialized programs to supplement core school populations could be considered in lieu of physical boundary changes.**

# RECOMMENDATIONS

- The boundary review made various recommendations with regard to secondary attendance boundaries across the jurisdiction.
- One of those recommendations dealt specifically with Sir John A. Macdonald S.S (SJAM) and the future accommodation pressures the school will face due to continued residential growth in its boundary.
- Specifically, the recommendation stated that;

*“the Board consider a boundary reconfiguration between Sir John A Macdonald and Kitchener-Waterloo C. & V.I. The Westvale attendance area in the southern portion of SJAM’s boundary should be made part of KCI’s secondary boundary.”*

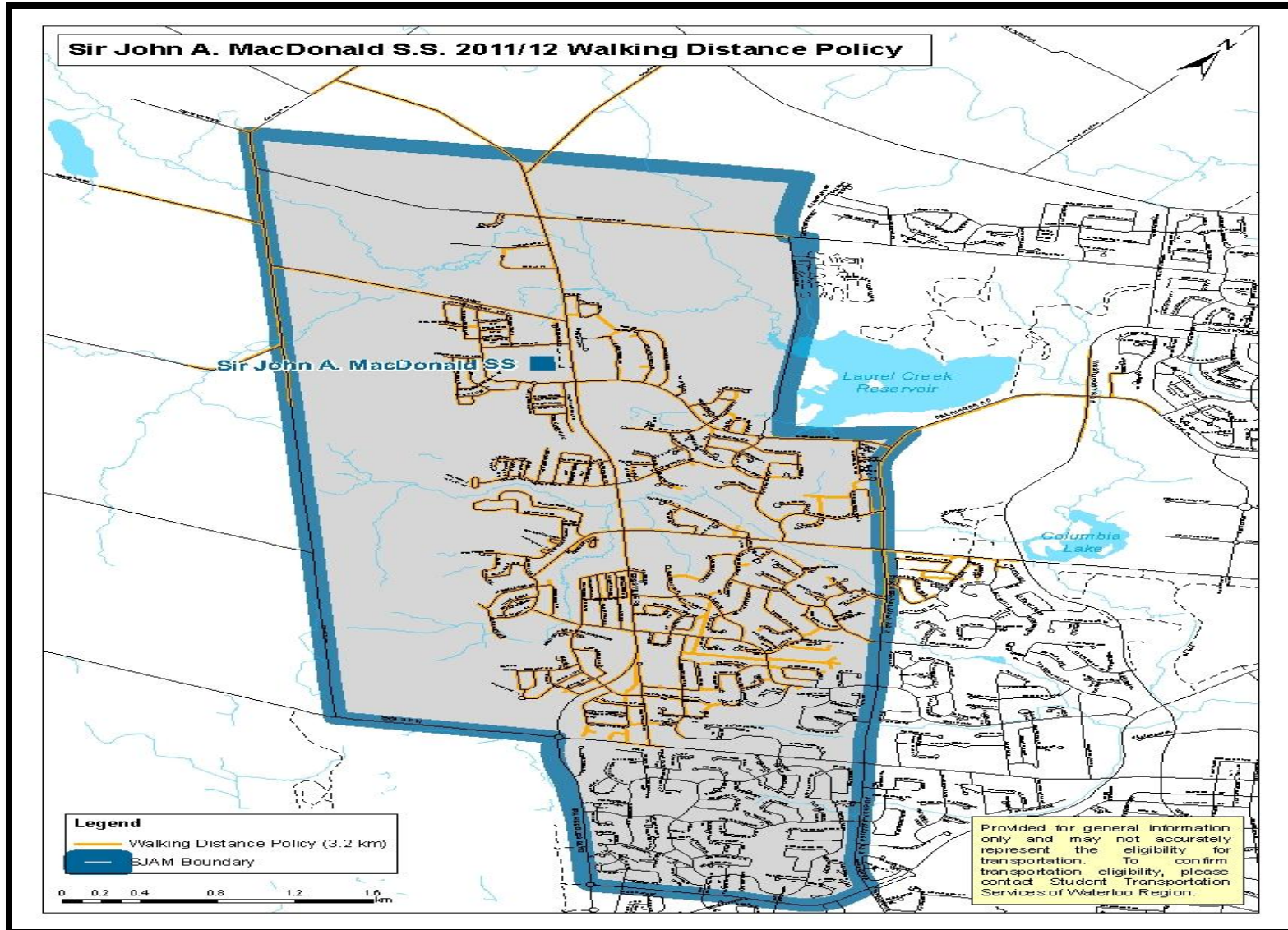
# Sir John A. Macdonald S.S.

- SJAM is one of the Board's newest schools and opened in 2004.
- It is the Board's 3 largest school with a total capacity of 1,548 spaces and has enrolment of approximately 1,563.
- The school currently requires 3 portables to accommodate total enrolment.
- SJAM offers the Fast Forward specialized program with approximately 155 students enrolled.

- The majority of SJAM's boundary falls within the school's walking area.
- Approximately 80% of the school's enrolment resides within the walking area and are not eligible to receive transportation.
- This compares with 77% of students Board-wide and 80% of students in Waterloo who reside within the walking zones of Board secondary schools.

- 83% of the school's enrolment comes from within its school boundary.
- In 2010 approximately 250 students attended SJAM from out of boundary and 335 students that live in the school's boundary attended other WRDSB secondary schools resulting in a net loss of 85 students.

# Sir John A. Macdonald S.S.



# SJAM – DEMOGRAPHICS

	<b>2001</b>	<b>2006</b>	<b>Absolute</b>	<b>Percentage</b>
<b>Population Data – SJAM Boundary</b>	<b>Census</b>	<b>Census</b>	<b>Change</b>	<b>Change</b>
<b>Total Population</b>	<b>18,031</b>	<b>23,173</b>	<b>5,143</b>	<b>28.5%</b>
Pre-School Population (0-3)	1,045	1,321	<b>277</b>	<b>26.5%</b>
Elementary School Population (4-13)	3,304	3,676	<b>372</b>	<b>11.3%</b>
Secondary School Population (14-18)	1,519	1,923	<b>405</b>	<b>26.6%</b>
Population Over 18 Years of Age	12,164	16,253	<b>4,090</b>	<b>33.6%</b>

# SJAM – HISTORICAL ENROLMENT

	HISTORICAL ENROLMENT						
GRADES	2004/ 2005	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011
9	373	350	350	316	344	337	328
10	297	359	371	354	328	351	342
11	257	285	366	384	356	345	352
12	209	366	441	530	535	530	523
<b>Total</b>	<b>1,136</b>	<b>1,360</b>	<b>1,528</b>	<b>1,584</b>	<b>1,563</b>	<b>1,563</b>	<b>1,545</b>

**SJAM opened in 2004/05 with enrolment of 1,136 which increased rapidly in 2 years by more than 34% to over 1,500**

	<b>2006</b>
<b>Total Secondary Enrolment</b>	<b>1,528</b>
<b>Total Secondary Aged Population</b>	<b>1,923</b>
<b>Secondary Participation Rate</b>	<b>79.5%</b>

**The school has a participation rate of almost 80% of the secondary population in its boundary – this compares with a 62% participation rate Board-wide.**



# SJAM – PROJECTED ENROLMENT

	SJAM PROJECTED ENROLMENT										
GRADES	Current 2010/ 2011	Year 1 2011/ 2012	Year 2 2012/ 2013	Year 3 2013/ 2014	Year 4 2014/ 2015	Year 5 2015/ 2016	Year 6 2016/ 2017	Year 7 2017/ 2018	Year 8 2018/ 2019	Year 9 2019/ 2020	Year 10 2020/ 2021
9	328	338	293	327	324	301	330	352	437	506	548
10	342	334	344	298	333	330	306	335	358	445	515
11	352	351	343	353	306	342	339	315	344	368	457
12	523	529	528	515	530	460	514	510	473	518	553
<b>Total</b>	<b>1,545</b>	<b>1,552</b>	<b>1,507</b>	<b>1,494</b>	<b>1,494</b>	<b>1,434</b>	<b>1,489</b>	<b>1,511</b>	<b>1,613</b>	<b>1,837</b>	<b>2,073</b>
<b>% Change</b>		0.4%	-2.9%	-0.9%	0.0%	-4.1%	3.9%	1.5%	6.7%	13.9%	12.9%

**Board projected enrolment at the school is expected to remain fairly stable in the short to mid-term but experience significant increases beyond 2016/17.**

***By 2020/21 enrolment is projected to increase by 34% to approximately 2,073 students.***

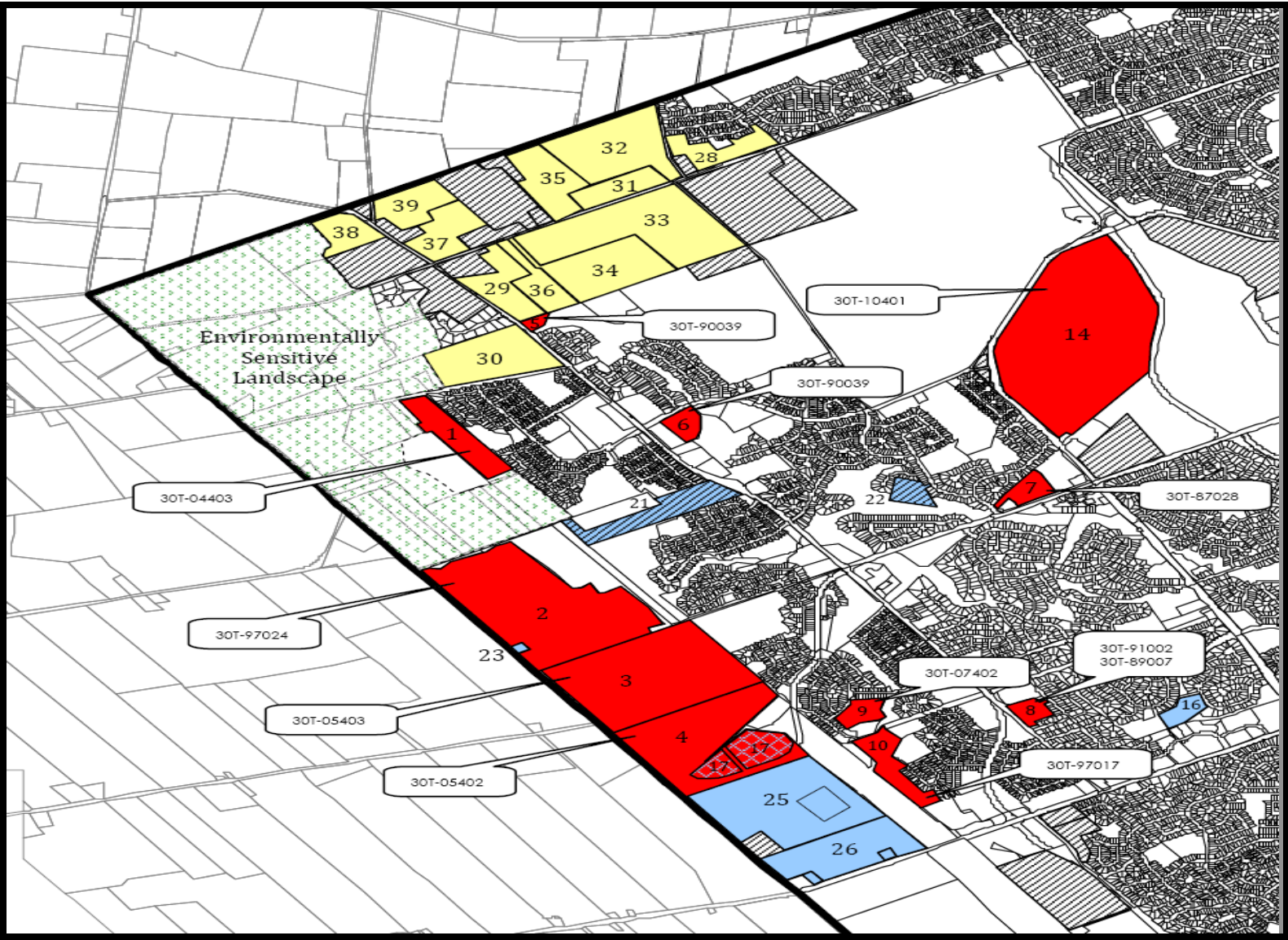
# SJAM – FUTURE RESIDENTIAL DEVELOPMENT

The SJAM boundary is one of Waterloo's last remaining areas with large scale Greenfield development potential. According to City of Waterloo data, there are currently 39 parcels of land identified for future development and 28 are in SJAM's boundary.

Three of the largest development parcels in the City (The Westside Subdivisions) are located in close proximity to SJAM and comprise more than 1,600 residential units in a draft approval stage of development.

*Consultant projections estimate that these subdivisions can result in approximately 300 new secondary students at SJAM.*

# CITY OF WATERLOO STAGING OF DEVELOPMENT



# SJAM UTILIZATION

	2004/ 2005	2006/ 2007	2007/ 2008	2009/ 2010	2010/ 2011	2014/ 2015	2016/ 2017	2018/ 2019	2020/ 2021
	HISTORICAL				PROJECTED				
	<i>1,136</i>	<i>1,528</i>	<i>1,584</i>	<i>1,563</i>	<i>1,545</i>	<i>1,494</i>	<i>1,489</i>	<i>1,613</i>	<i>2,073</i>
<b>OTG CAPACITY</b>	<b>UTILIZATION OF PERMANENT SPACE BASED ON OTG CAPACITY</b>								
<b>1,548</b>	<b>73.4%</b>	<b>98.7%</b>	<b>102.3%</b>	<b>101.0%</b>	<b>99.8%</b>	<b>96.5%</b>	<b>96.2%</b>	<b>104.2%</b>	<b>133.9%</b>

**Utilization of the school's space is currently at 100% but based on the need for 3 portables it is more accurate to assume that the school is currently operating 3 classrooms over its capacity**

**By 2020/21 it is projected that the utilization rate of the school will exceed 130%**

# ACCOMMODATION OPTIONS

**There are generally 3 options to consider when addressing enrolment pressures at a school;**

- Building additional space**
- A change in program delivery/relocation of program**
- Attendance boundary change**

**Building additional space to accommodate projected enrolment would result in a 25 classroom addition and make the school the largest secondary school in the Region and one of the largest in the Province.**

**If it was assumed that 10% of enrolment could be accommodated in temporary space it would still result in an addition of 15 classrooms and 10 portables at an estimated cost of \$4 million.**

# PROGRAM RELOCATION/ATTENDANCE BOUNDARY CHANGE

Relocating a program or an attendance boundary change requires a secondary school with available space close by.

There are two schools that surround SJAM's boundary – Kitchener-Waterloo Collegiate & Vocational Institute (KCI) and Waterloo Collegiate Institute (WCI).

School	Capacity	2010/11 Enrolment	Utilization
Kitchener-Waterloo C & VS	1,578	1,129	71.5%
Waterloo CI	1,215	1,450	119.3%

- Based on its proximity to SJAM and surplus space at the school KCI would be a viable candidate for either program relocation or an attendance boundary change.

# PROGRAM RELOCATION/ATTENDANCE BOUNDARY CHANGE

- SJAM has approximately 155 students enrolled in the Fast Forward program.
- KCI also offers the Fast Forward Program and has 105 students enrolled.
- Moving the Fast Forward program to KCI would result in a program at KCI with 260 students in addition to 220 students currently enrolled in French Immersion or Extended French at KCI.
- This would mean that 40% of enrolment at KCI would be in some form of specialized program.

**Considering the available space at KCI and its location, a boundary change with SJAM is a viable option.**

- Total population in KCI's boundary declined slightly (0.1%) between 2001 and 2006 and the elementary population declined by 15%.
- Between 2004 and 2009, enrolment at the school declined by 372 students or 24%.
- Enrolment is expected to drop another 10% by 2014 and hover around 1,000 long term.

# ATTENDANCE BOUNDARY CHANGE - KCI

**KCI has a capacity of 1,578 making it the Board's 2<sup>nd</sup> largest school. Existing utilization of the school is at 74% and projected to drop below 65% long-term.**

	2004/ 2005	2006/ 2007	2007/ 2008	2009/ 2010	2010/ 2011	2014/ 2015	2016/ 2017	2018/ 2019	2020/ 2021
	HISTORICAL ENROLMENT				PROJECTED ENROLMENT				
	1,540	1,309	1,236	1,168	1,129	1,055	1,043	1,033	1,011
<b>OTG CAPACITY</b>	<b>UTILIZATION OF PERMANENT SPACE BASED ON OTG CAPACITY</b>								
1,578	97.6%	83.0%	78.3%	74.0%	71.5%	66.8%	66.1%	65.5%	64.1%

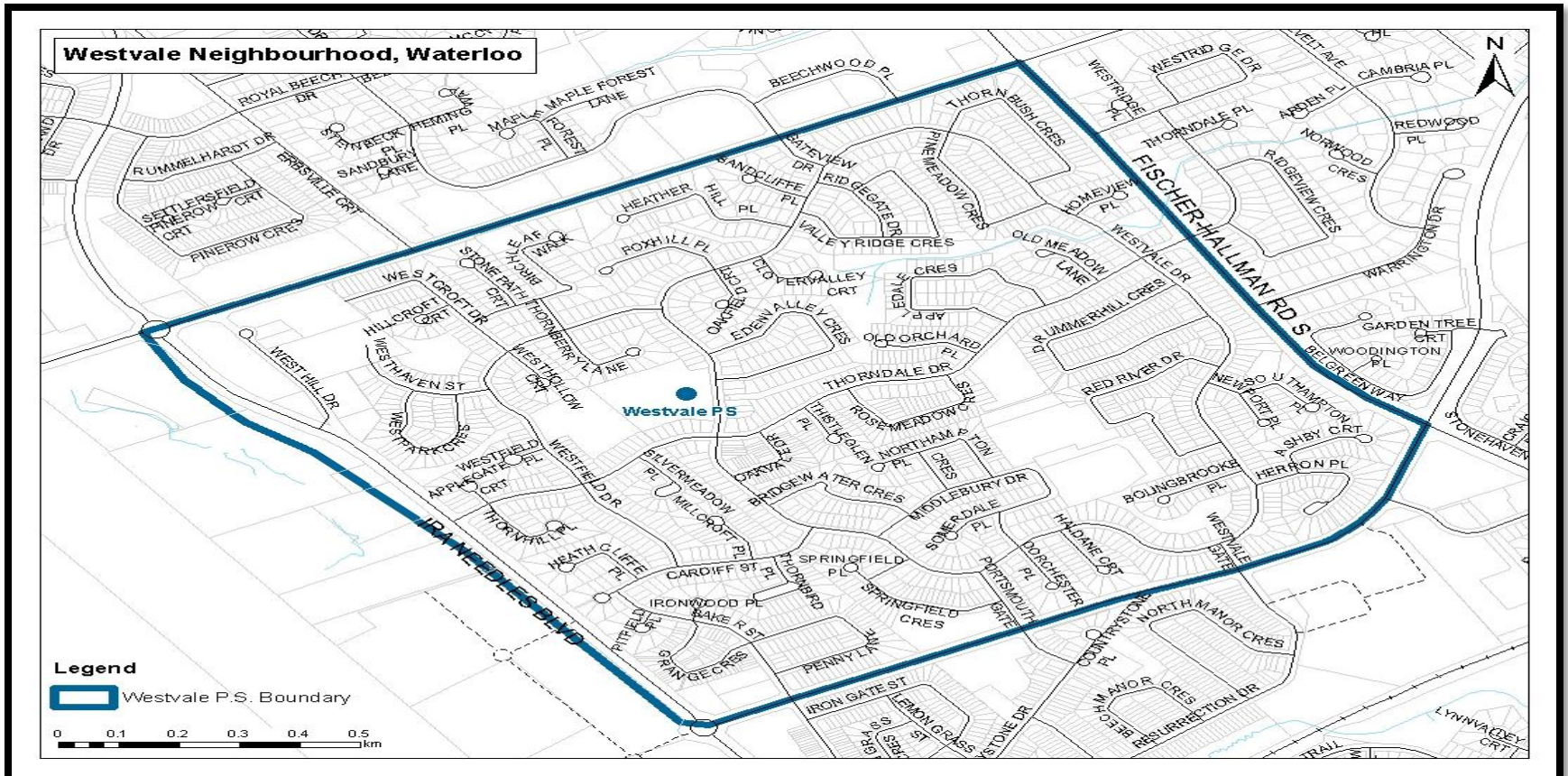
- In addition to specialized programs like Fast Forward, French Immersion and Extended French, KCI offers a full range of regular programming for its students.
- The Board has invested in KCI to ensure that it meets the Board's standards for technology in the school and accessibility.
- The Board has completed approximately \$10 million in renewal repairs at KCI since 2005/06 to improve the facility and the student environment as part of the Ministry of Education's Good Places To Learn funding program.



# ATTENDANCE BOUNDARY CHANGE - KCI

While an attendance boundary change between SJAM and KCI presents a viable accommodation option, there must be an area in close proximity to both schools with a sufficient number of students to impact enrolments at the schools.

An area in the southern section of SJAM's boundary lies entirely outside the walking area of the school – this area is identified as Westvale Elementary School's attendance boundary



# WESTVALE

- The Westvale area currently falls outside the walking area of any other WRDSB secondary school and students in this area would be eligible for transportation regardless of what secondary school they are directed to.
- The Westvale neighbourhood is a mature and built out area with limited future development potential.
- The overall population declined slightly while the drops in the pre-school and elementary population were -26.5% and -20.2% respectively.

- According to Board data there were approximately 239 students living in the Westvale area and attending SJAM.
- Making assumptions based on area demographics resulted in an estimate of 200 secondary students in the area in about 5 years.

# SCHOOL UTILIZATION ASSUMING BOUNDARY CHANGE

	OTG CAPACITY	PROJECTED ENROLMENT			
		Current 2010/ 2011	Year 1 2011/ 2012	Year 5 2015/ 2016	Year 10 2018/ 2019
KCI	1,578	1,129	1,084	1,060	1,011
<b>Utilization of Space – Status Quo</b>		<b>71.5%</b>	<b>68.7%</b>	<b>67.2%</b>	<b>64.1%</b>
Enrolment From SJAM			229	200	200
KCI Plus Westvale Enrolment			1,313	1,260	1,211
<b>Utilization of Space</b>			<b>83.2%</b>	<b>79.8%</b>	<b>76.7%</b>

	OTG CAPACITY	PROJECTED ENROLMENT			
		Current 2010/ 2011	Year 1 2011/ 2012	Year 5 2015/ 2016	Year 10 2018/ 2019
SJAM	1,548	1,545	1,552	1,434	2,073
<b>Utilization of Space – Status Quo</b>		<b>99.8%</b>	<b>100.2%</b>	<b>92.6%</b>	<b>133.9%</b>
Enrolment To KCI			(229)	(200)	(200)
SJAM Less Westvale Enrolment			1,322	1,234	1,873
<b>Utilization of Space</b>			<b>83.8%</b>	<b>78.2%</b>	<b>121.0%</b>

# RECOMMENDATION

- Enrolment at SJAM is projected to significantly exceed the school's capacity creating accommodation issues.
- Considering the available space at nearby KCI and the location and demographics of the Westvale area it is recommended that the WRDSB pursue a boundary change between SJAM and KCI.

*The proposed boundary change recommends that students residing in the Westvale area be directed to KCI. However, in recognition of the impact this type of change can have on a student mid-stream, it is recommended that students currently attending SJAM be given the option to finish their studies with the understanding that transportation will be provided to students currently enrolled at SJAM.*



# MAP OF NEW PROPOSED BOUNDARIES

