



TVDSB: Middlesex Attendance Area Review (Supplementary Data)

December 17 2018

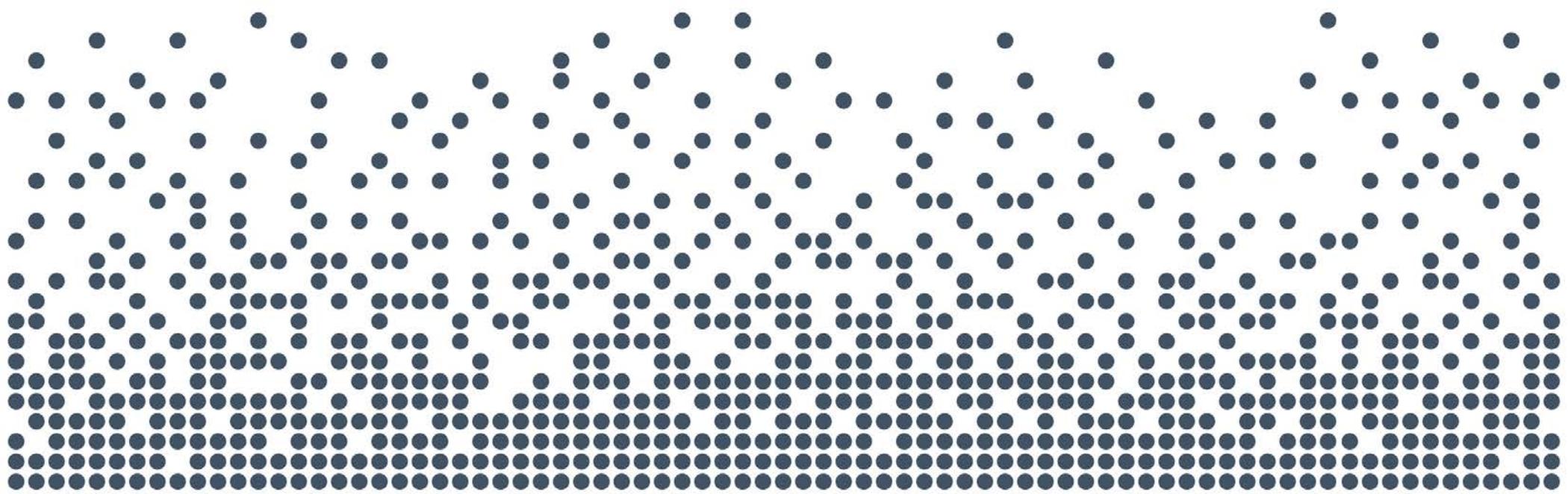
pg 1-1 revised 2019 JAN 21

Watson & Associates Economists Ltd.
info@watsonecon.ca



Table of Contents

	Page
1. Current Situation	1-1
2. Accommodation Options	2-1



Current Situation



1. Current Situation

Table 1 provides an overview of the schools presented in the Middlesex Study Area Accommodation Options Report, including current enrolment, On-The-Ground (OTG) capacity, available temporary space and projected enrolment by school.

Table 1: Study Area Schools

Attendance Area	Current (2018 - 2019)					Projected Enrolment		
	Enrolment	OTG	Percent Capacity	Space (+/-)	Portables/ Portapaks	2019/ 2020	2022/ 2023	2027/ 2028
Centennial Central PS	273	323	85%	50	1	297	361	520
Delaware Central PS	120	259	46%	139		115	104	118
Oxbow PS	558	501	111%	-57	3	547	470	407
Parkview PS	647	602	107%	-45	3	655	691	782
Valleyview Central PS	193	245	79%	52		200	229	261
East Williams Memorial PS	188	317	59%	129		179	167	153
Caradoc PS	373	424	88%	51		386	408	461
Total	2,352	2,671	88%	319	7	2,379	2,431	2,701



Current Situation: Total Study Area Utilization

Figure 1 depicts the total historical and projected enrolment, compared to the total existing On-The-Ground (OTG) capacity for all of the schools in this study area combined. Projected enrolment is further broken down by existing student projections (blue), enrolment from new development (red) and holding zone students (green). While the review area as a whole is generally well utilized, long term utilization rates for individual schools vary significantly. Figure 2 (following page) is a map showing the study area and the corresponding schools and school attendance areas.

Figure 1: Total Study Area Utilization

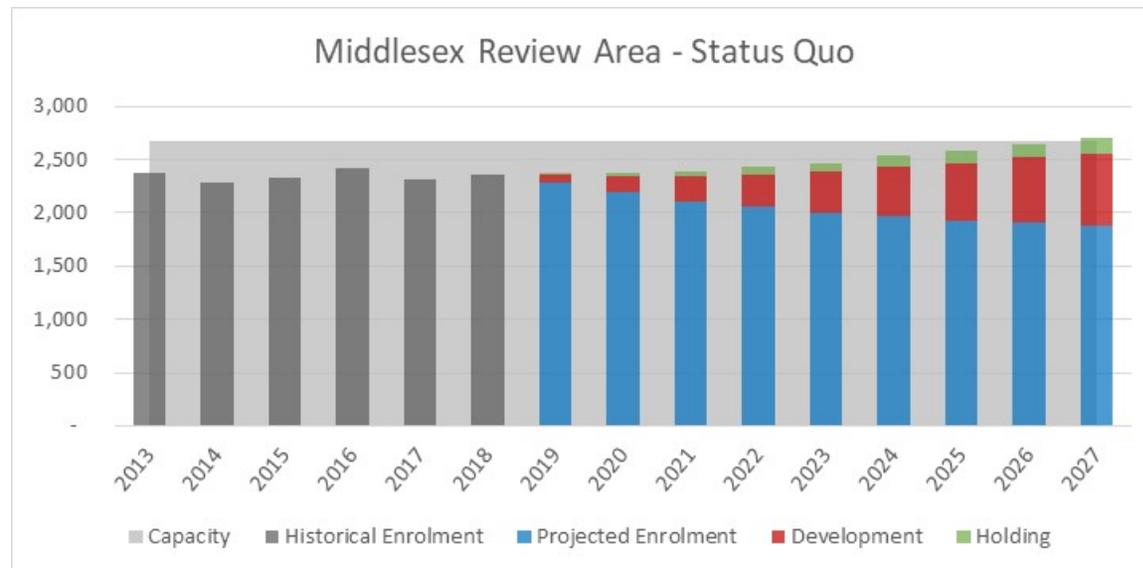
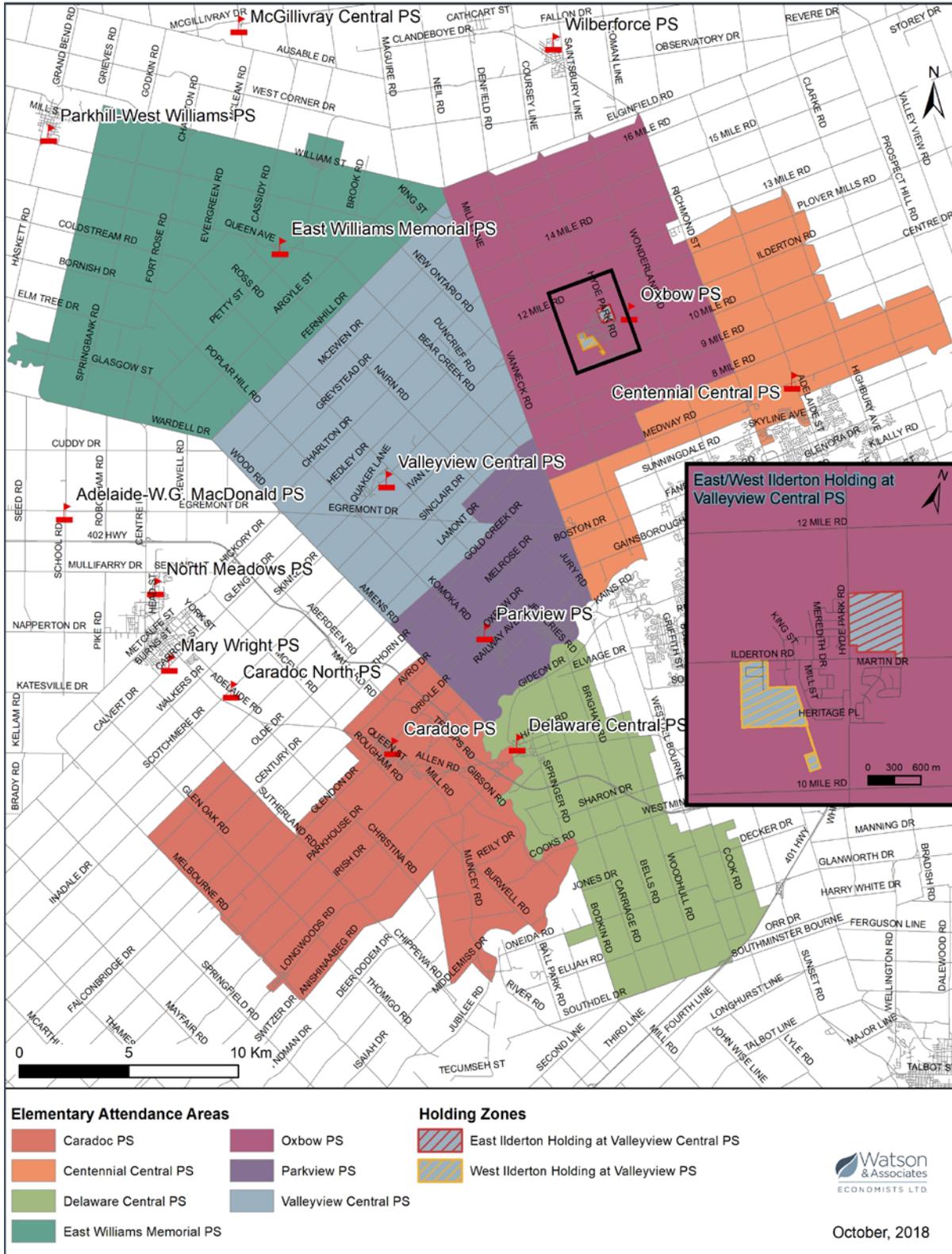




Figure 2: Current Situation Study Area Map





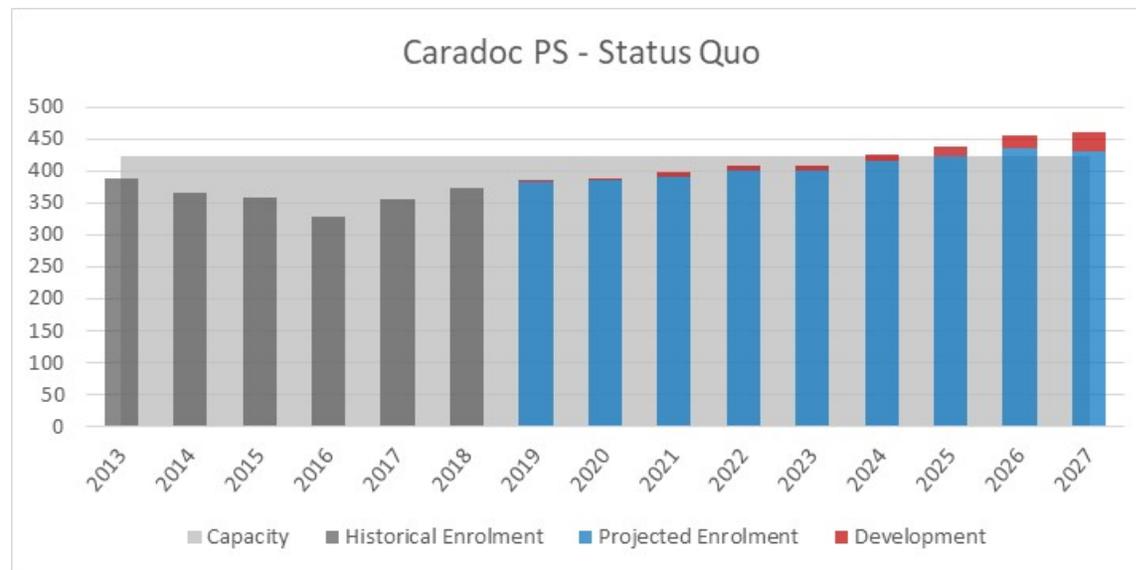
Current Situation: School-By-School Situation (Status Quo)

CARADOC PS:

Table 2: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	390	-
Current Capacity (2018/19):	424	-
Current Enrolment (2018/19):	373	-
<i>Students Attending Resident School (In Boundary):</i>	364	98%
<i>Students Attending Resident School (Out of Boundary):</i>	9	2%

Figure 3: Projected Utilization Rate



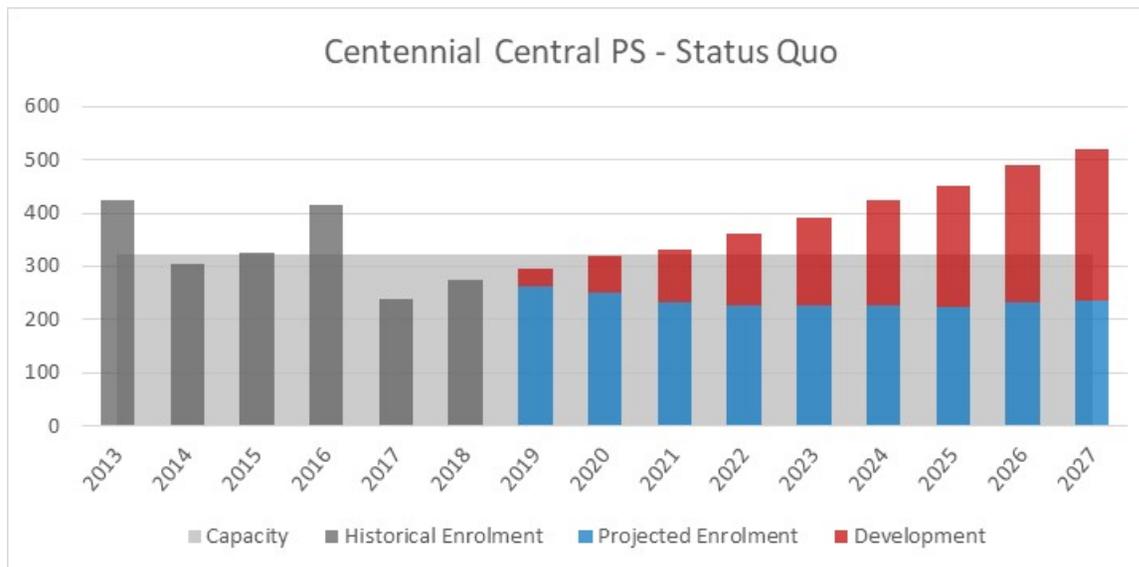


CENTENNIAL CENTRAL PS:

Table 3: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	304	-
Current Capacity (2018/19):	323	-
Current Enrolment (2018/19):	273	-
<i>Students Attending Resident School (In Boundary):</i>	265	97%
<i>Students Attending Resident School (Out of Boundary):</i>	8	3%

Figure 4: Projected Utilization Rate



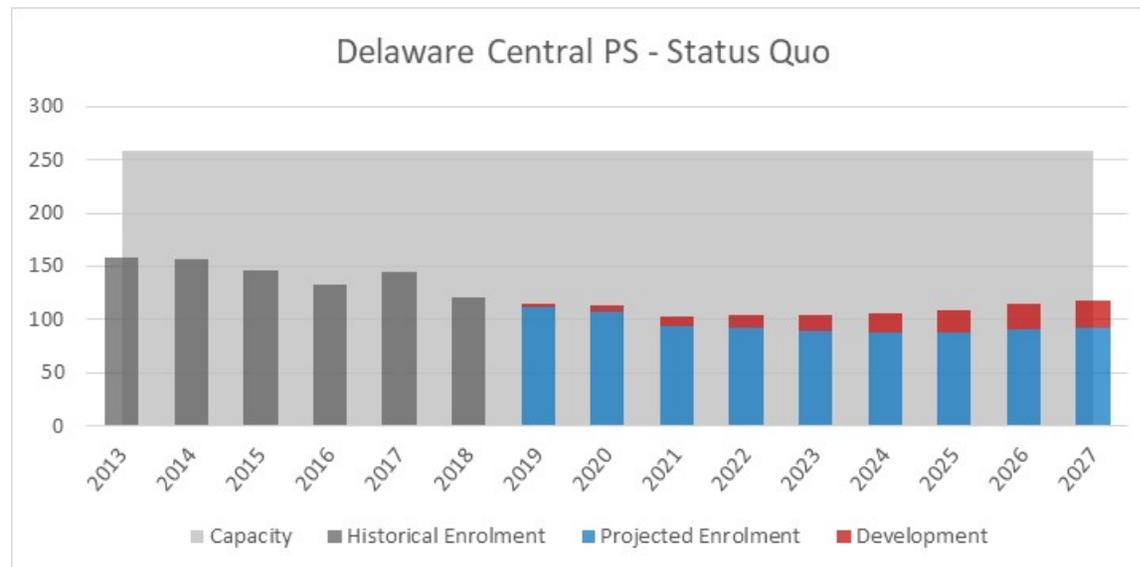


DELAWARE CENTRAL PS:

Table 4: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	98	-
Current Capacity (2018/19):	259	-
Current Enrolment (2018/19):	120	-
<i>Students Attending Resident School (In Boundary):</i>	<i>92</i>	<i>77%</i>
<i>Students Attending Resident School (Out of Boundary):</i>	<i>28</i>	<i>23%</i>

Figure 5: Projected Utilization Rate



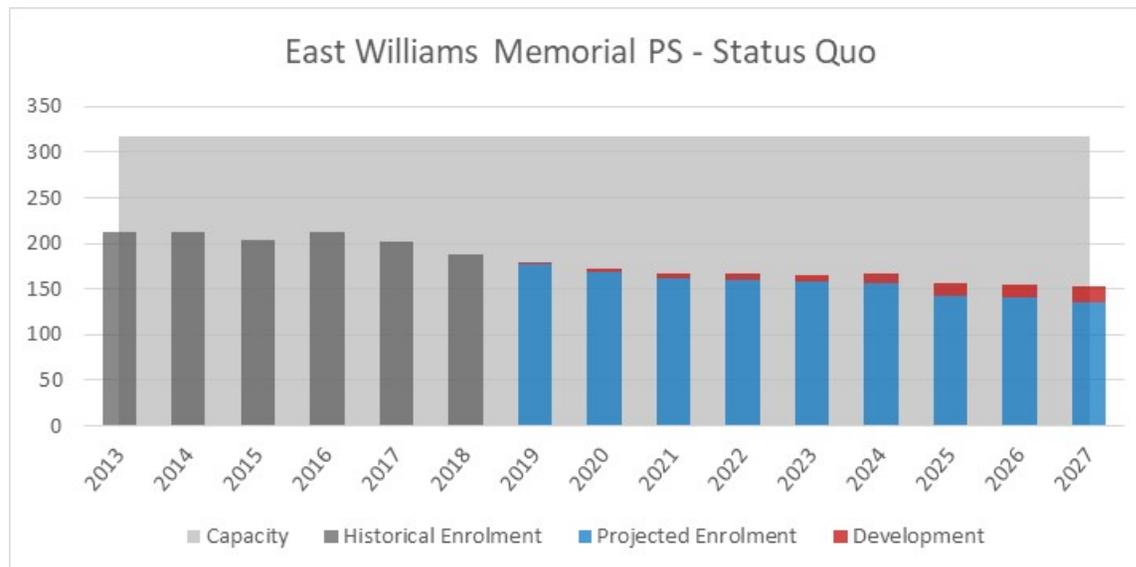


EAST WILLIAMS MEMORIAL PS:

Table 5: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	203	-
Current Capacity (2018/19):	317	-
Current Enrolment (2018/19):	188	-
<i>Students Attending Resident School (In Boundary):</i>	186	99%
<i>Students Attending Resident School (Out of Boundary):</i>	2	1%

Figure 6: Projected Utilization Rate





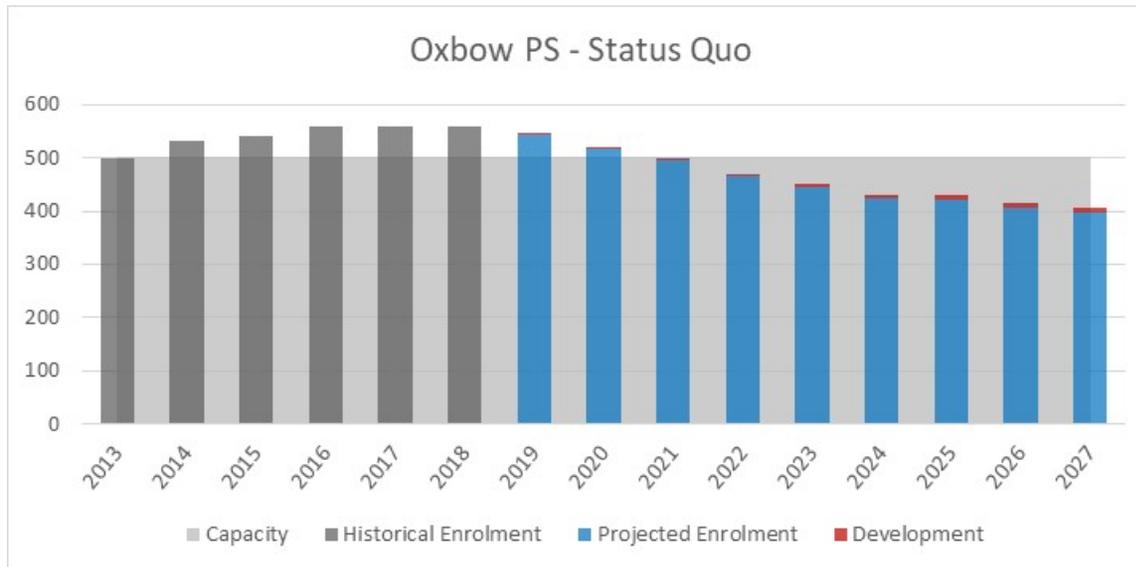
OXBOW PS:

Table 6: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	580*	-
Current Capacity (2018/19):	501	-
Current Enrolment (2018/19):	558	-
<i>Students Attending Resident School (In Boundary):</i>	556	99.5%
<i>Students Attending Resident School (Out of Boundary):</i>	2	0.5%

*Includes students in Valleyview Central PS Holding Zones (approximately 10 students)

Figure 7: Projected Utilization Rate



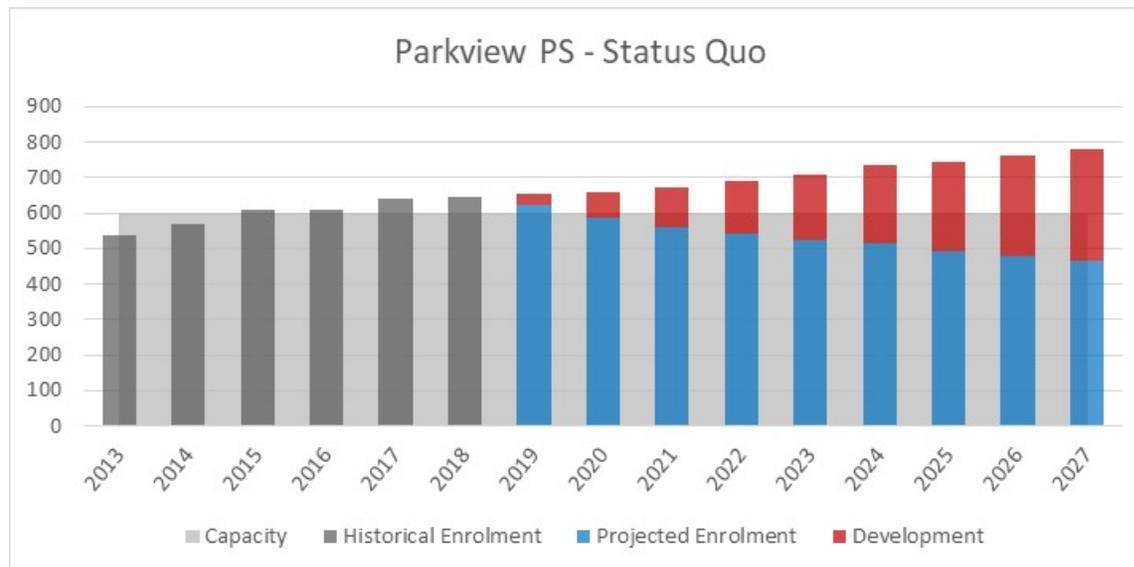


PARKVIEW PS:

Table 7: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	656	-
Current Capacity (2018/19):	602	-
Current Enrolment (2018/19):	647	-
<i>Students Attending Resident School (In Boundary):</i>	636	98%
<i>Students Attending Resident School (Out of Boundary):</i>	11	2%

Figure 8: Projected Utilization Rate





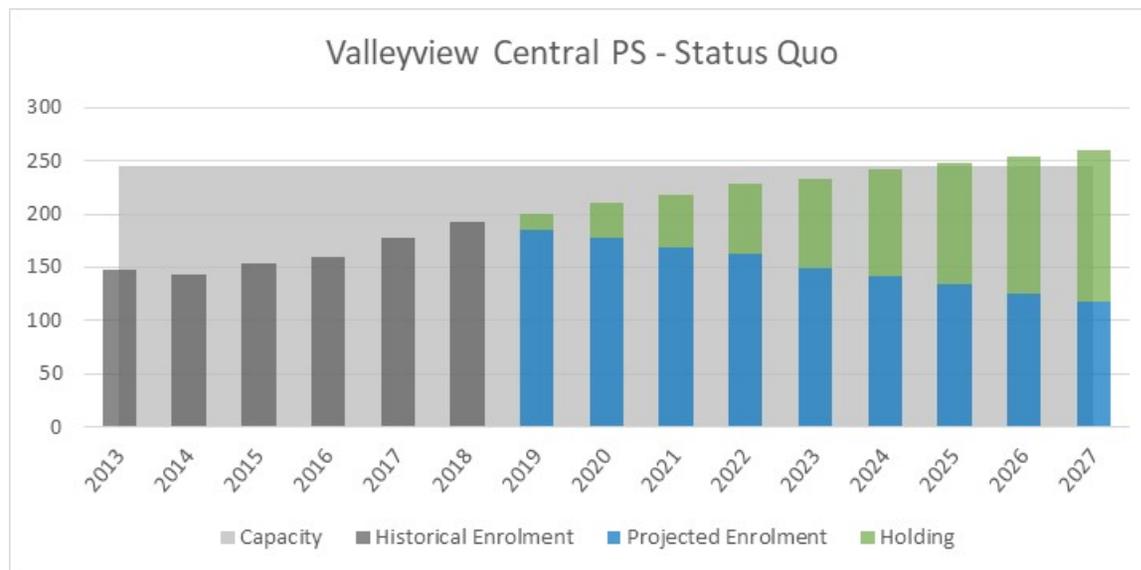
VALLEYVIEW CENTRL PS:

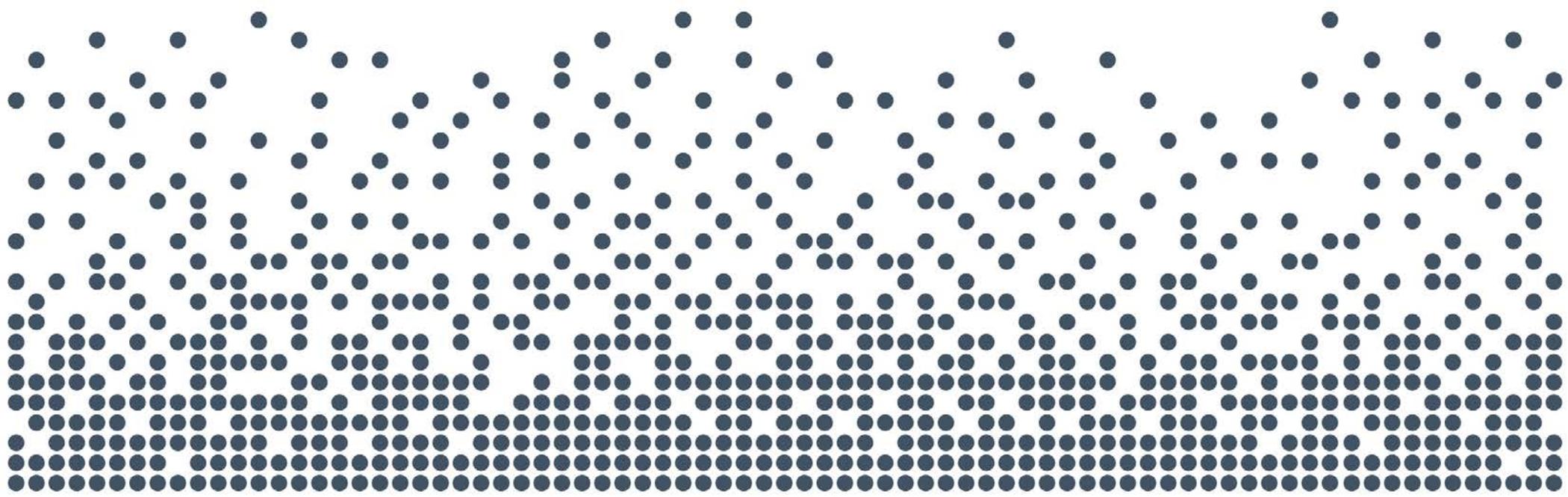
Table 8: Student Location Analysis

Study Area	# of Students	%
All Students Residing in Attendance Boundary:	190*	-
Current Capacity (2018/19):	245	-
Current Enrolment (2018/19):	193	-
<i>Students Attending Resident School (In Boundary):</i>	184	95%
<i>Students Attending Resident School (Out of Boundary):</i>	9	5%

*Does not include students that currently reside in Ilderton Holding Zones (approximately 10 students)

Figure 9: Projected Utilization Rate





Accommodation Options



2. Accommodation Options

Attendance Boundary Sub-Areas

As part of the accommodation options study, select attendance boundaries have been sub-divided into smaller areas of student populations. These sub-areas help to facilitate alternative options for proposed boundary changes and provide information on student distribution patterns within the attendance area. Table 9 provides details on the number of existing students that currently reside in each attendance boundary sub-area, with a corresponding map indicating where each sub-area is located (Figure 10). In addition, a key consideration when assessing potential attendance boundary changes is future residential growth patterns. Therefore, sub-areas that anticipate significant residential growth have also been highlighted in Table 9.

Accommodation Options

The following section provides accommodation scenarios for Middlesex Study Area Schools. The structure of accommodation scenarios is as follows:

- Three options have been presented for Parkview PS, Delaware Central PS and Caradoc PS including Options 1, 2 and 3. Option 3 also includes accommodation decisions incorporating Valleview Central PS.
- The accommodation option for the remaining facilities in this review area including Centennial Central PS, Oxbow PS, Valleyview Central PS and East Williams Memorial PS are presented at the end of this section.

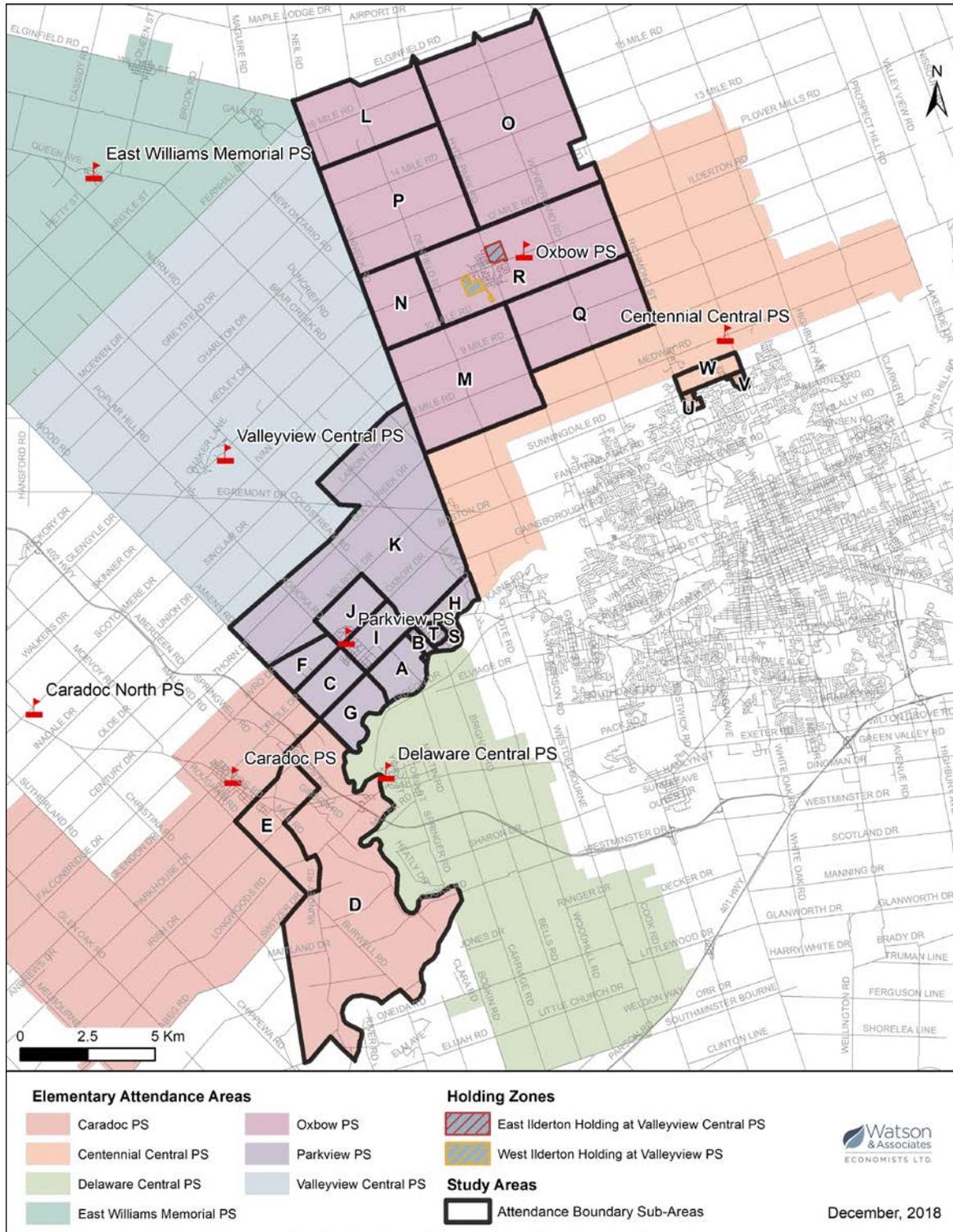


Table 9: Attendance Boundary Sub-Areas - Student Breakdown

Attendance Boundary	Sub-Area	Existing Students (2018/19)	Major Residential Developments
Caradoc PS	Area D	39	-
Caradoc PS	Area E	33	-
Parkview PS	Area A	0	Kilworth Residential Development
Parkview PS	Area B	102	-
Parkview PS	Area C	55	-
Parkview PS	Area F	19	-
Parkview PS	Area G	10	Komoka Residential Development
Parkview PS	Area H	1	-
Parkview PS	Area I	163	Komoka Residential Development
Parkview PS	Area J	90	-
Parkview PS	Area K	50	-
Parkview PS	Area S	56	-
Parkview PS	Area T	111	-
Oxbow PS	Area L	35	-
Oxbow PS	Area M	11	-
Oxbow PS	Area N	8	-
Oxbow PS	Area O	12	-
Oxbow PS	Area P	9	-
Oxbow PS	Area Q	9	-
Oxbow PS	Area R	496	Ilderton Residential Development
Centennial Central PS	Area U	18	-
Centennial Central PS	Area V	81	-
Centennial Central PS	Area W	69	North London Development
Total Sub-Area Students:		1,477	



Figure 10: Section Area Map

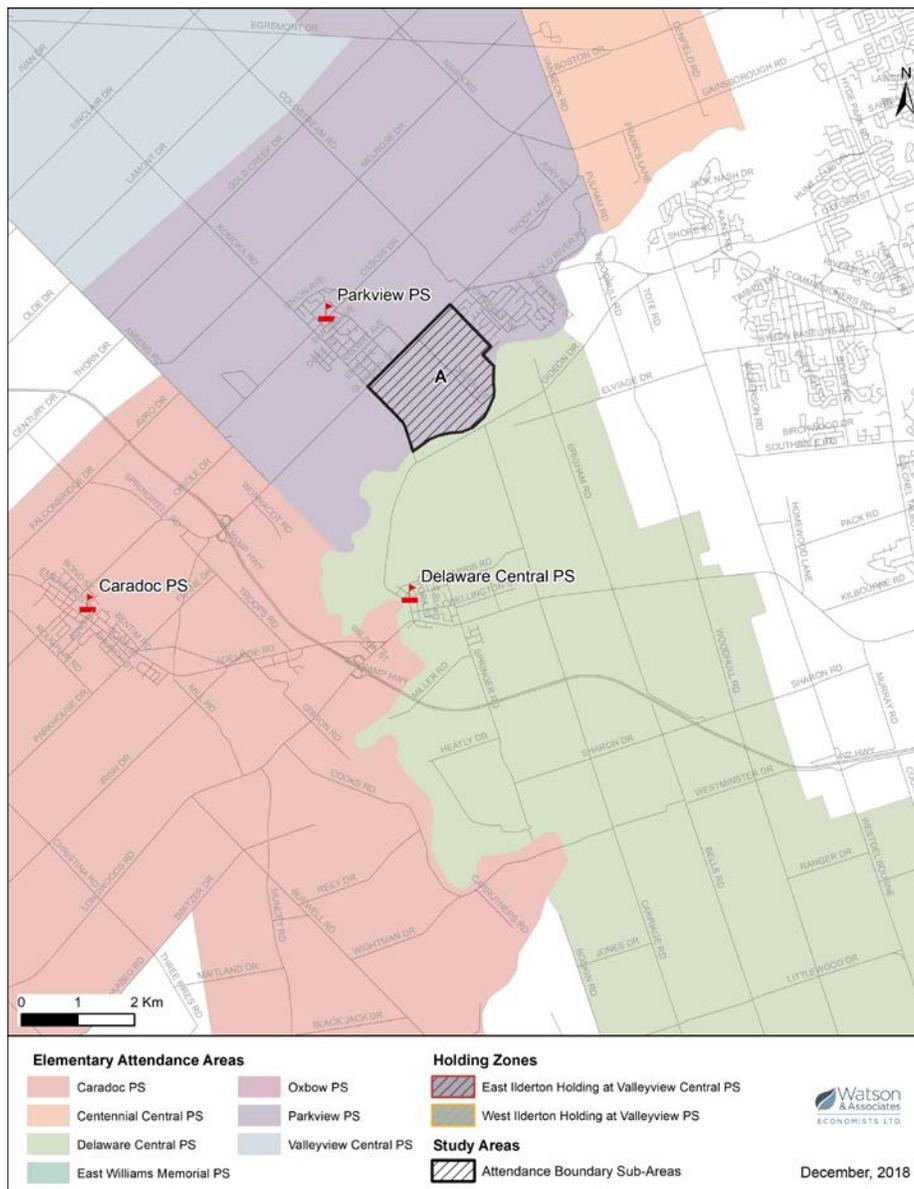




Area of Focus: Caradoc PS, Parkview PS and Delaware Central PS

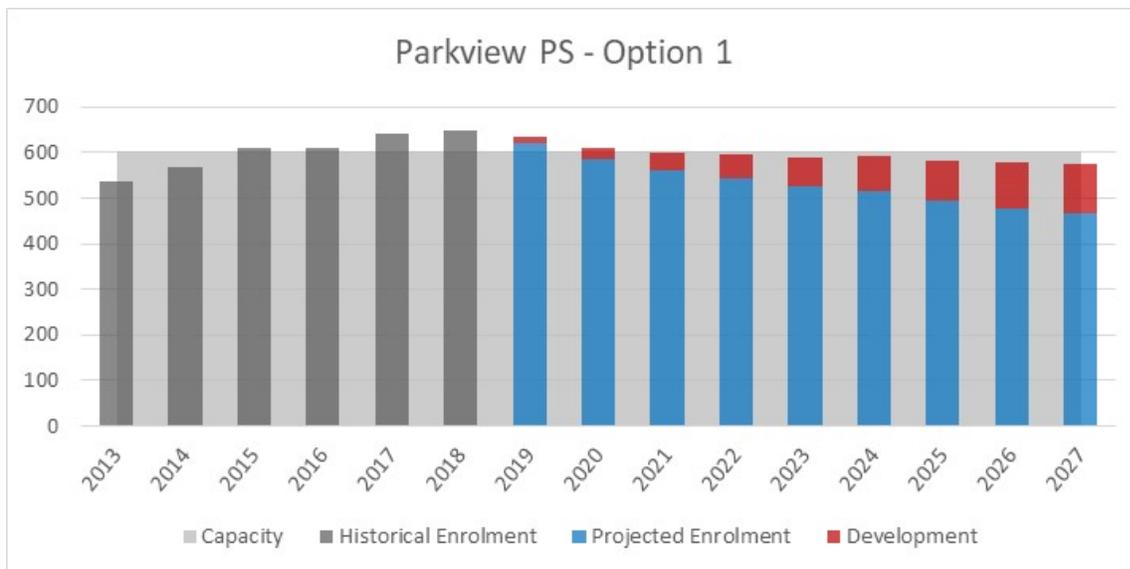
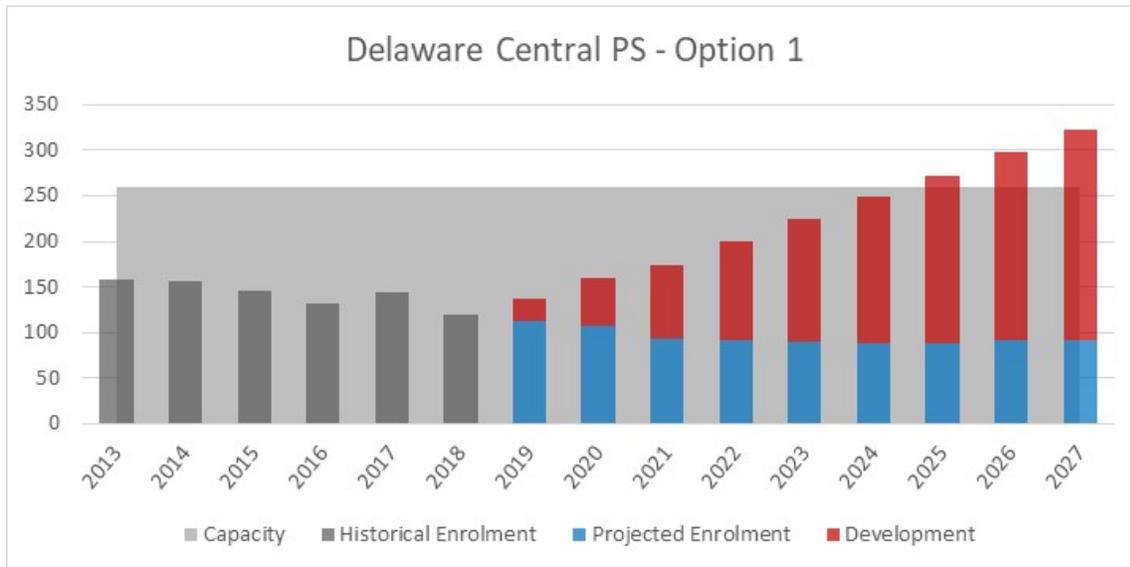
OPTION 1: Attendance Area Changes – Area A

Parkview PS is currently over capacity, with enrolment expected to increase significantly over the next 10 years resulting in long term utilization rate of approximately 130%. The majority of this growth is from new residential developments situated in the communities of Komoka and Kilworth. To alleviate enrolment pressure at Parkview PS, the Board may consider permanently designating the subdivision in Kilworth Community (Area A) to the Delaware Central PS attendance boundary.





OPTION 1: Enrolment and Capacity



Option 1: Outcome

- Parkview PS - long term utilization rate of 96% compared to 130%.
- Delaware Central PS – long term utilization rate of 125% compared to 46%
- There would be no change to the renewal needs as a result of this option and there would be no need for additional capital funding.
- As no pupils currently reside in the Kilworth residential development, no existing students would need to be displaced.



- An Attendance Boundary Review would likely be required for this option.

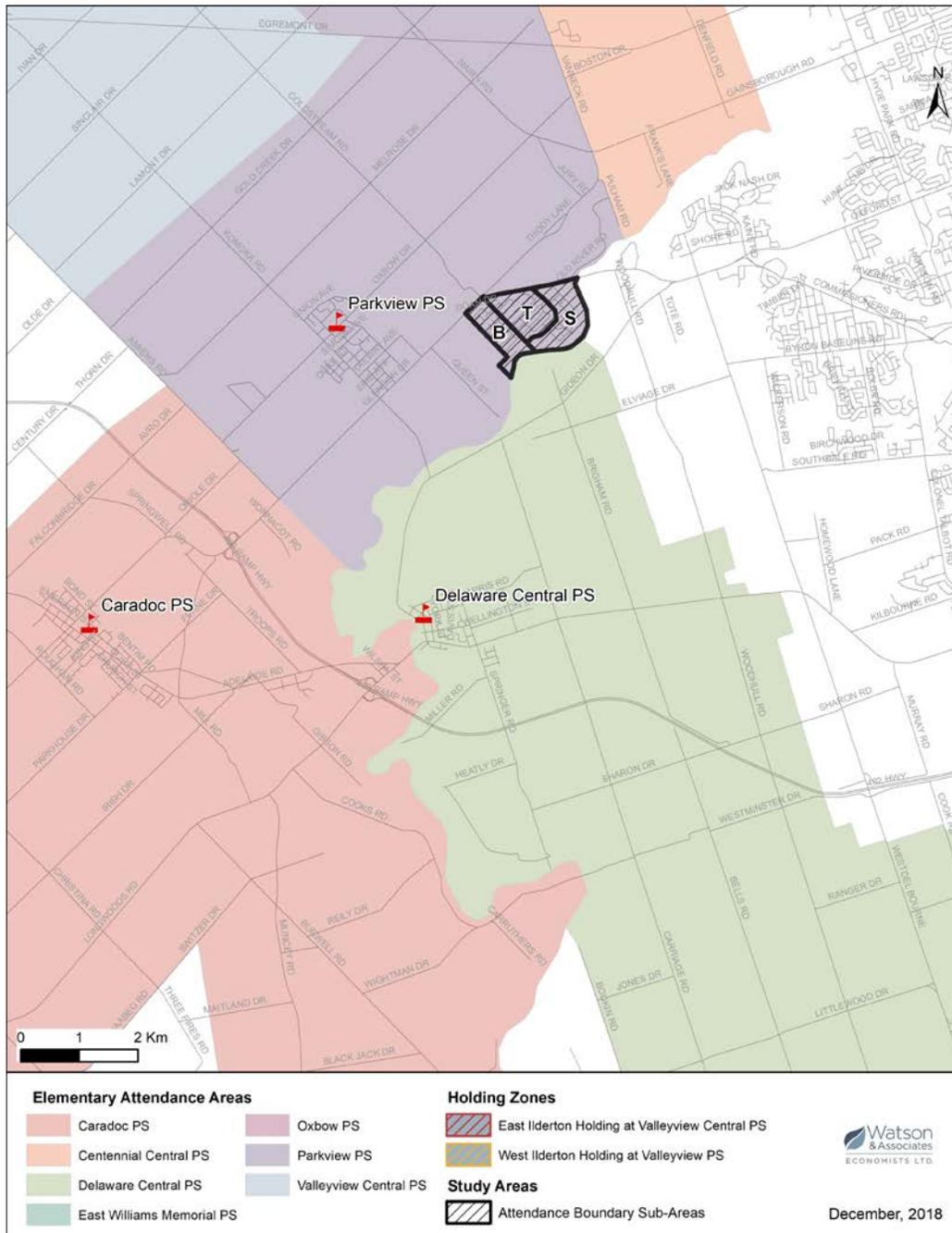
Option 1: Possible Limitations/Issues

- Based on current projections, Delaware Central PS may experience its own enrolment pressures resulting from this permanent boundary change and may require additional space to accommodate students.
- Delaware Central PS is 80 years old and currently has an FCI of 65%, with more than \$4.38 million in renewal needs. This option does not address any renewal needs or facility condition issues.
- In addition, future residential development designated in Strathroy-Caradoc, may result in future accommodation pressures at Caradoc PS.



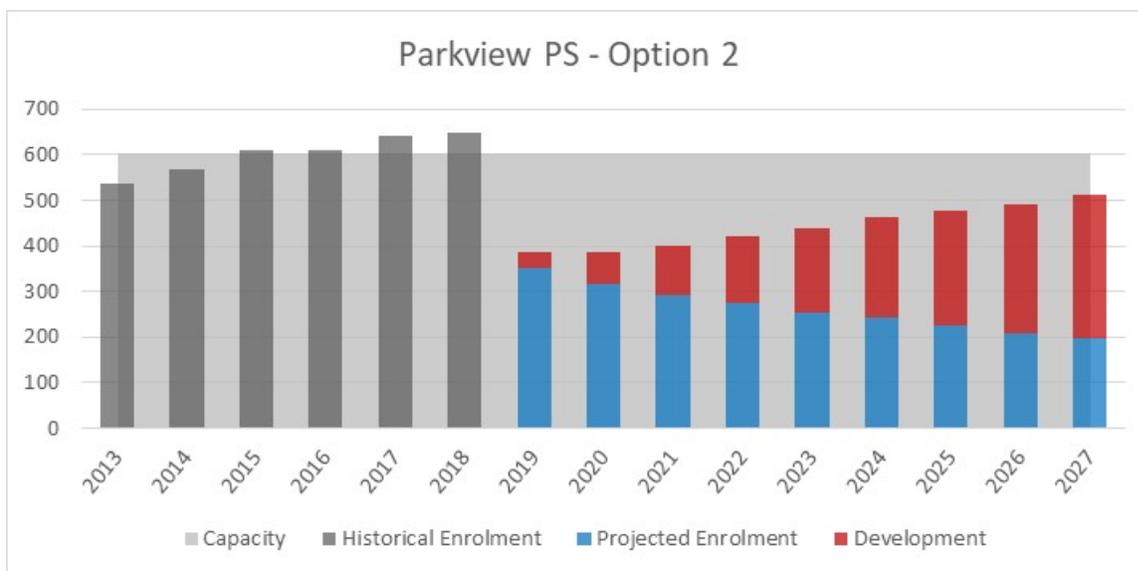
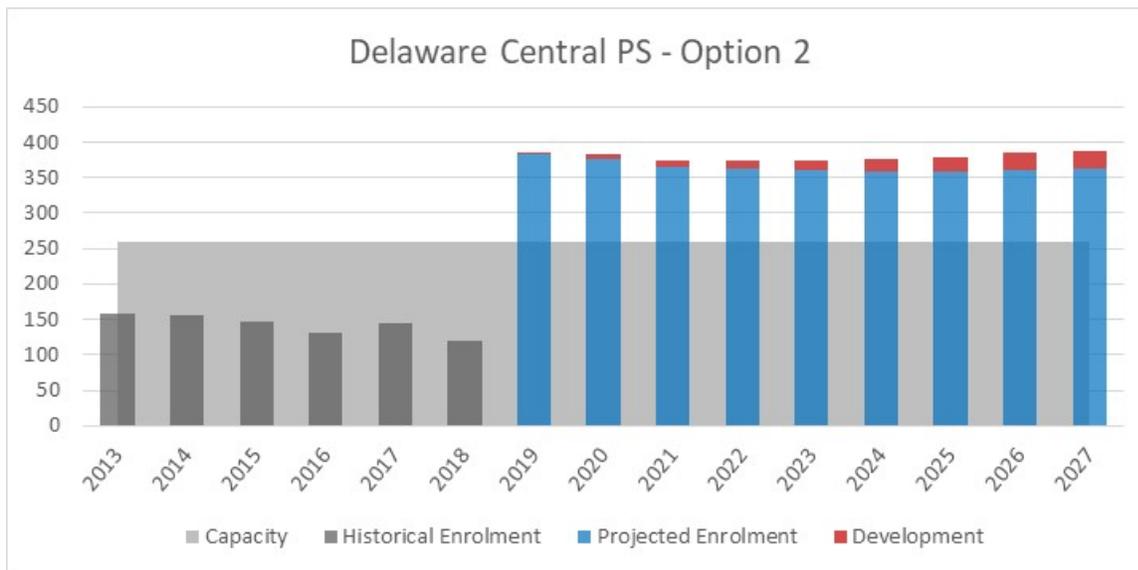
OPTION 2: Attendance Area Changes – Areas B, T, S

Alternatively, the Board may consider permanently designating the existing pupils residing in the southeast residential community of Kilworth (Areas B, T, S) to Delaware Central PS attendance boundary.





OPTION 2: Enrolment and Capacity



Option 2: Outcome

- Parkview PS - long term utilization rate of 85% compared to 130%.
- Delaware Central PS – long term utilization rate of 150% (assuming no replacement facility is built) compared to 46%.



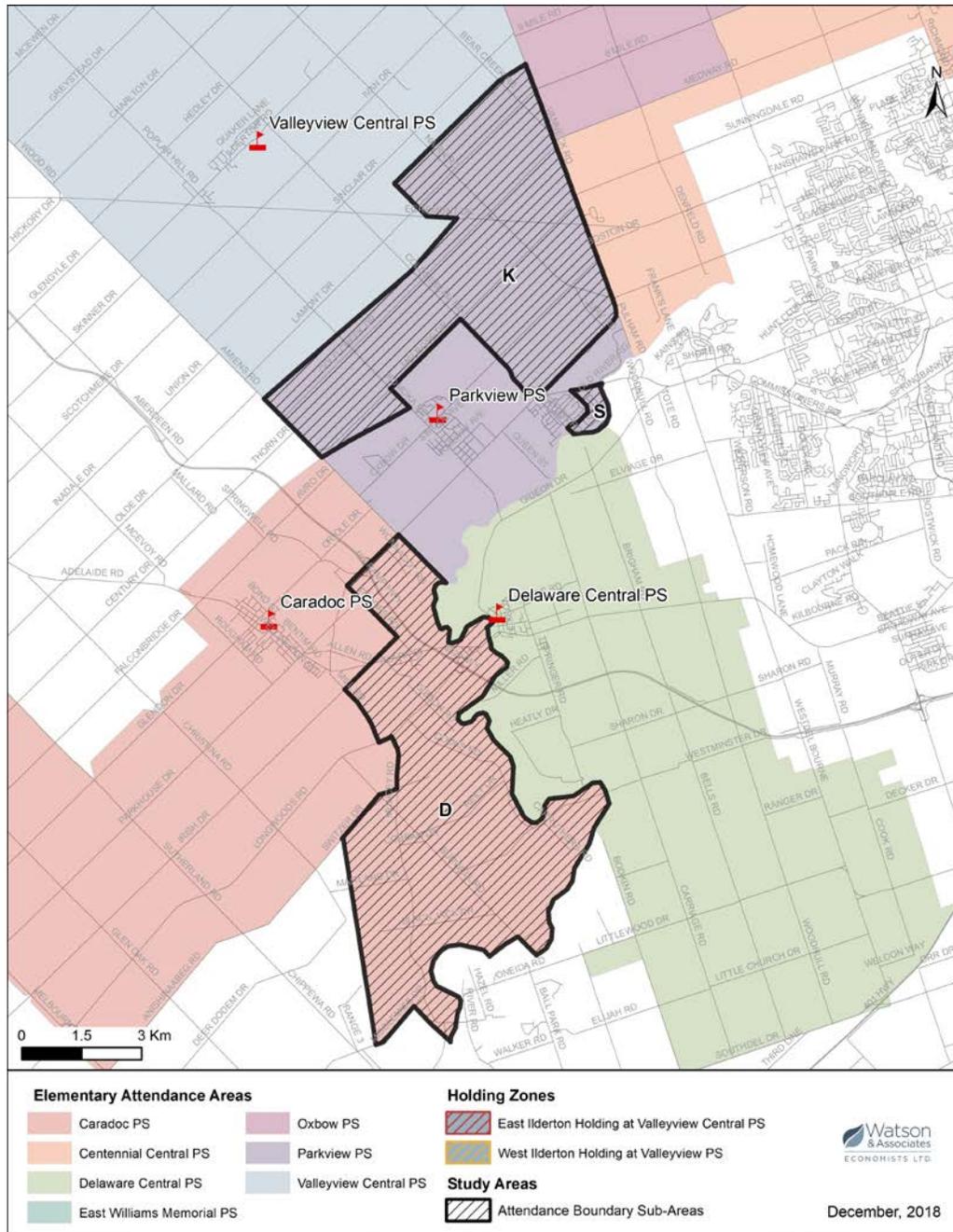
Option 2: Possible Limitations/Issues

- Based on current projections, Delaware Central PS will experience significant enrolment pressures resulting from this permanent boundary change and may require additional space to accommodate students (i.e. permanent or temporary space).
- This will also result in short-term surplus space at Parkview PS until students from new residential growth are realized.
- The Board may consider sub-dividing this residential community, moving only a portion (i.e. B, T or S) over to Delaware Central PS to equalize enrolments. However, similar to Option 3, this would result in splitting a dense neighbourhood subdivision into two schools.
- Delaware Central PS is 80 years old and currently has an FCI of 65%, with more than \$4.38 million in renewal needs. This option does not address any renewal needs or facility condition issues.
- In addition, future residential development designated in Strathroy-Caradoc, may result in future accommodation pressures at Caradoc PS.



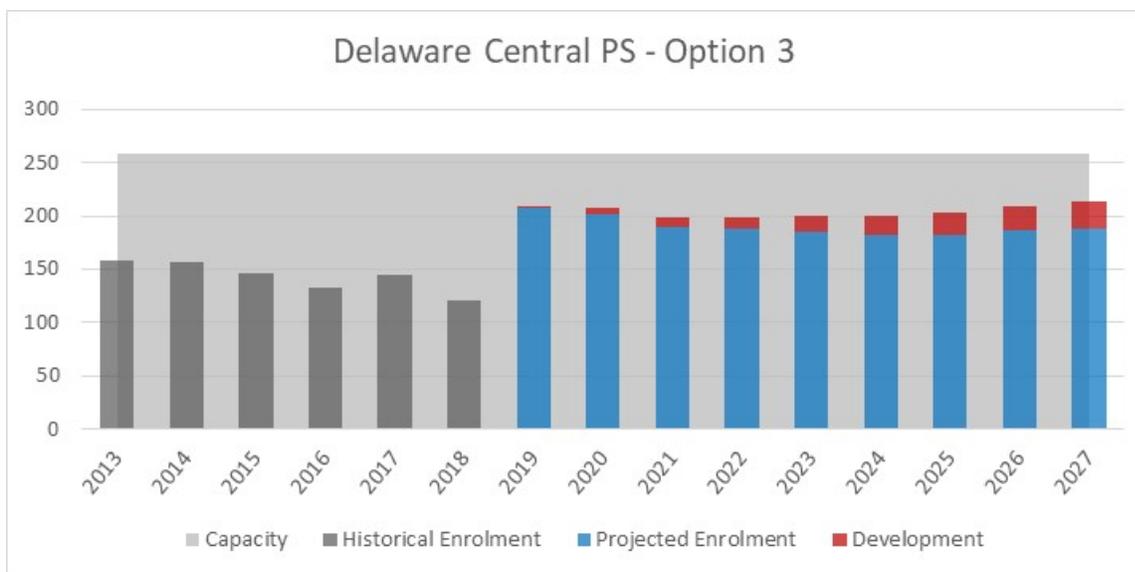
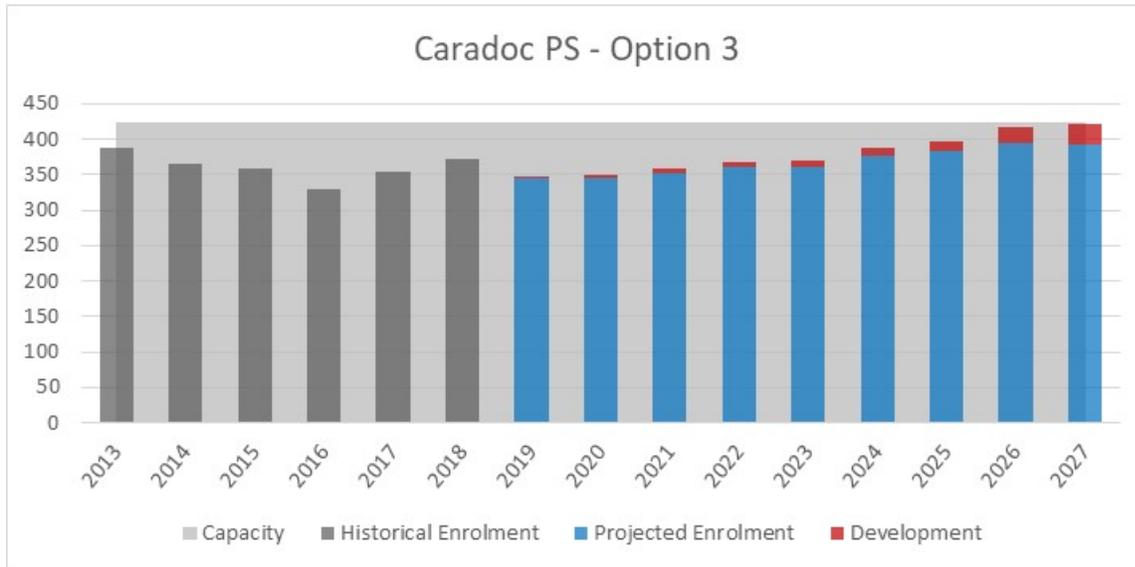
OPTION 3: Attendance Area Changes – Areas D, K, S

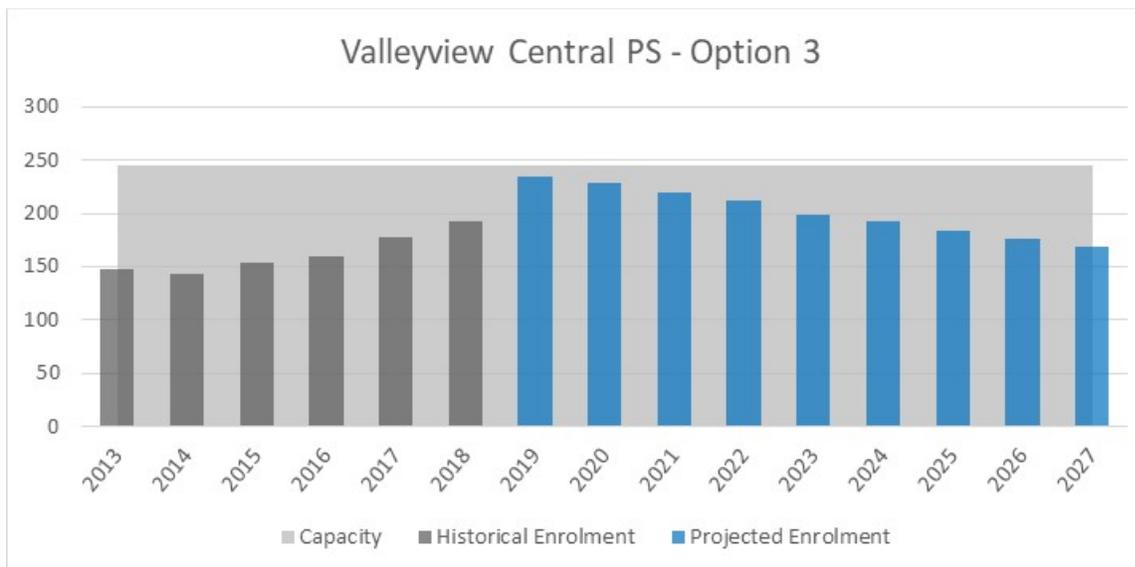
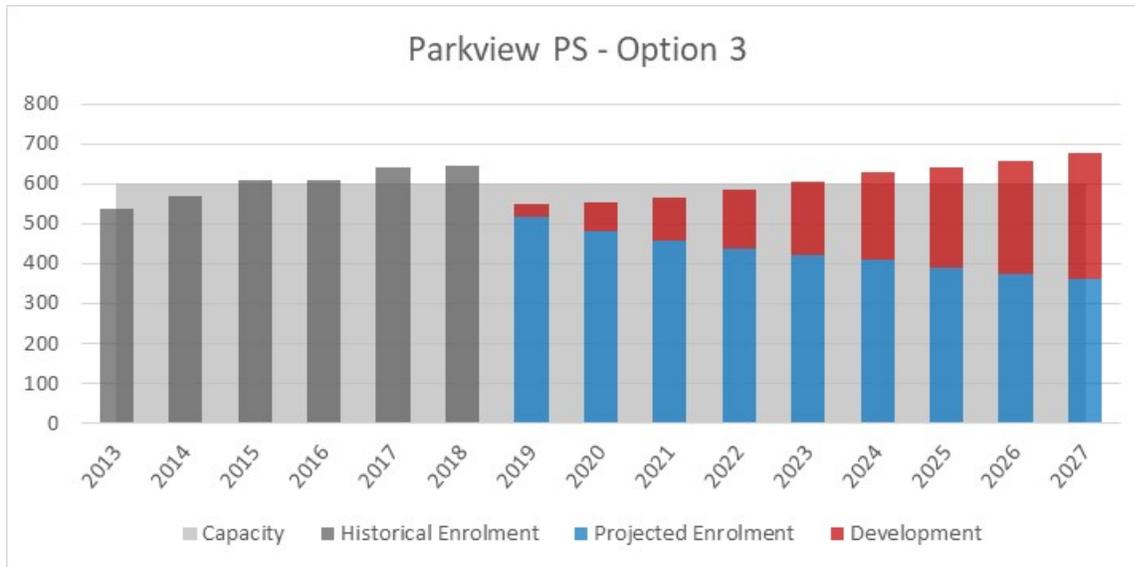
Finally, the Board may consider permanently designating a portion of existing pupils residing in the southeast residential community of Kilworth (Area S) and the east portion of Caradoc PS boundary (Area D) to Delaware Central PS attendance boundary. In addition, the northern portion of Parkview PS (Area K) would be permanently redirected to Valleyview Central PS.





OPTION 3: Enrolment and Capacity





Option 3: Outcome

- Caradoc PS – long term utilization rate of 99% compared to 109%
- Delaware Central PS – long term utilization rate of 82% compared to 46%
- Parkview PS – long term utilization rate of 112% compared to 130%
- Valleyview Central PS – long term utilization rate of 69%. This option assumes that Valleyview Central PS holding students are returned to their resident school (i.e. Oxbow PS). More details regarding this option are provided in the next section.



Option 3: Possible Limitations/Issues

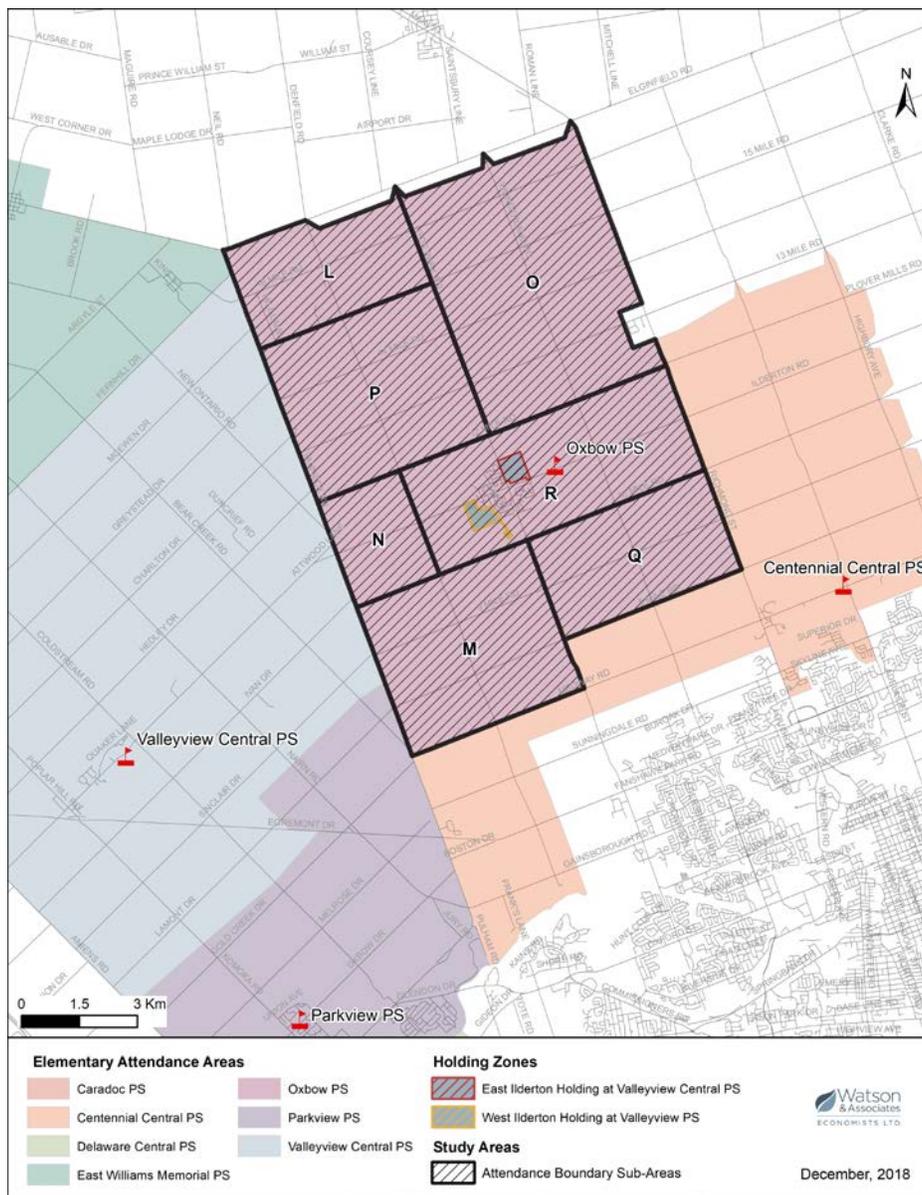
- Option 3 addresses enrolment pressures at Parkview PS and Caradoc PS as well as surplus spaces at both Delaware Central PS and Valleyview Central PS.
- However, it requires the movement of approximately 150+ students at four different elementary schools.
- In addition, this option involves splitting a dense neighbourhood subdivision (Area S) in Parkview PS's boundary between two different schools.
- If Valleyview Central PS holding students are not returned to Oxbow PS, this moving Area K students to Valleyview Central PS will result in accommodation pressures at this facility in the long term.



Area of Focus: Oxbow PS, Valleyview Central PS and East Williams Memorial PS

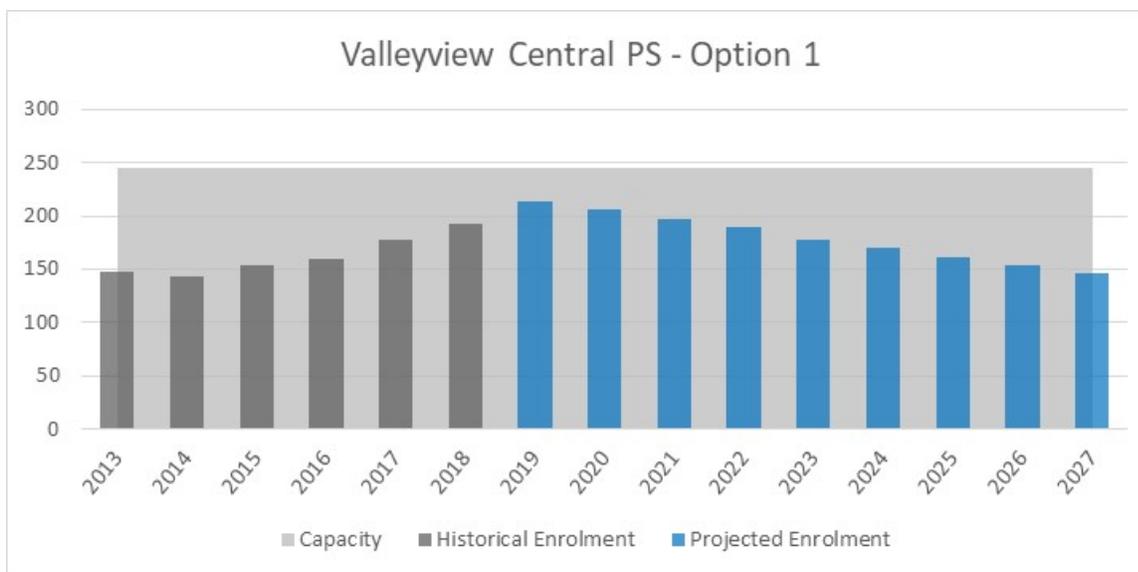
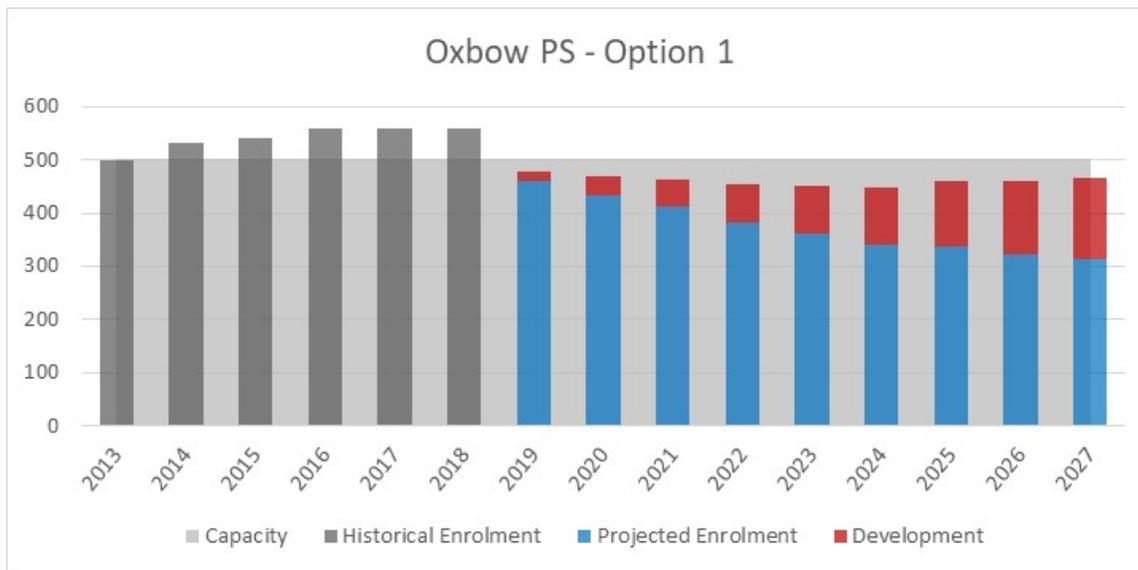
OPTION 1: Attendance Area Changes – Areas L, M, N, O P, Q, R

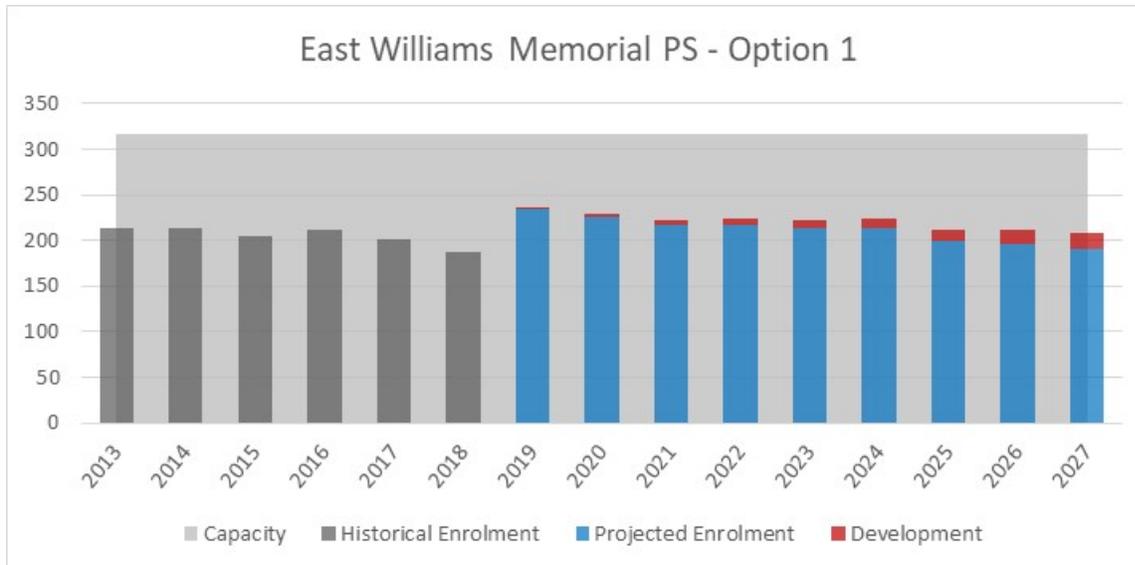
The Board may consider permanently designating a portion of existing pupils residing in the north portion of Oxbow PS (Areas L, O, P) to East Williams Memorial PS; and the southwest portion (Areas N, M Q) of Oxbow PS’s attendance boundary to Valleyview Central PS. This would alleviate some enrolment pressures at this facility, allowing for students currently holding at Valleyview Central PS to be returned to their resident school (i.e. Oxbow PS).





OPTION 1: Enrolment and Capacity





Option 1: Outcome

- Oxbow PS – long term utilization of 93% compared to 81%. In addition, local students in residing Ilderton are returned to Oxbow PS.
- East Williams Memorial PS – long term utilization rate of 66% compared to 48%
- Valleyview Central PS – long term utilization rate of 60%. This option assumes that Valleyview Central PS holding students are returned to their resident school (i.e. Oxbow PS). This option does not include the attendance boundary change with Parkview PS proposed in Option 3 – if both were implemented, Valleyview Central PS’s utilization rate would increase to approximately 80%.

Option 1: Possible Limitations/Issues

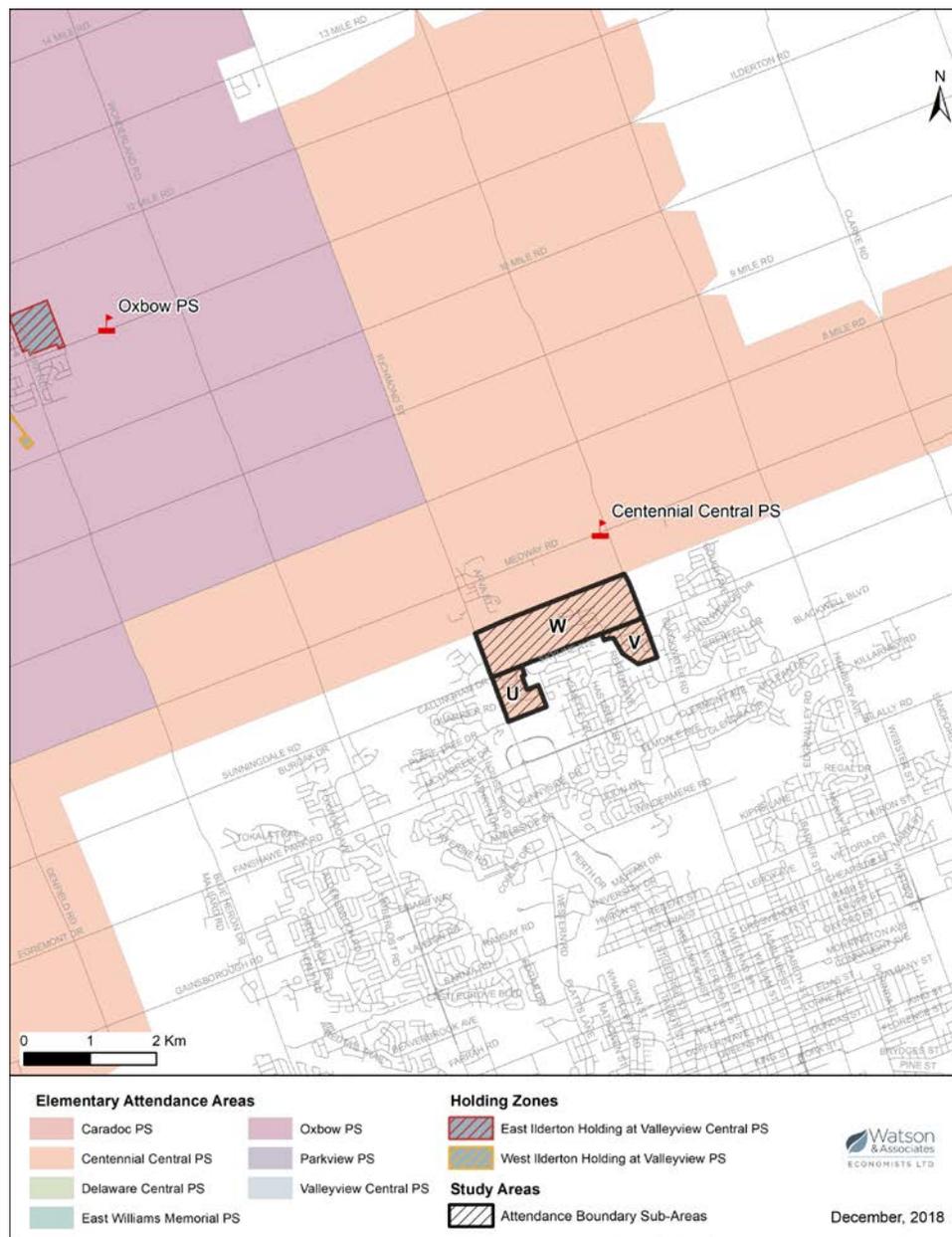
- Dependent on enrolment declines of the existing community at Oxbow PS. This can be impacted by various factors such as; enrolment share, household re-occupation, migration, economics etc.
- If actual enrolment declines are not consistent with projected enrolment or if students from new residential developments are under projected, this option can result in renewed enrolment pressures at Oxbow PS or may result in the need to re-install a holding area.
- Disrupts a number of students over a large geographic area and may result in increased transportation times for some students.



Area of Focus: Centennial Central PS

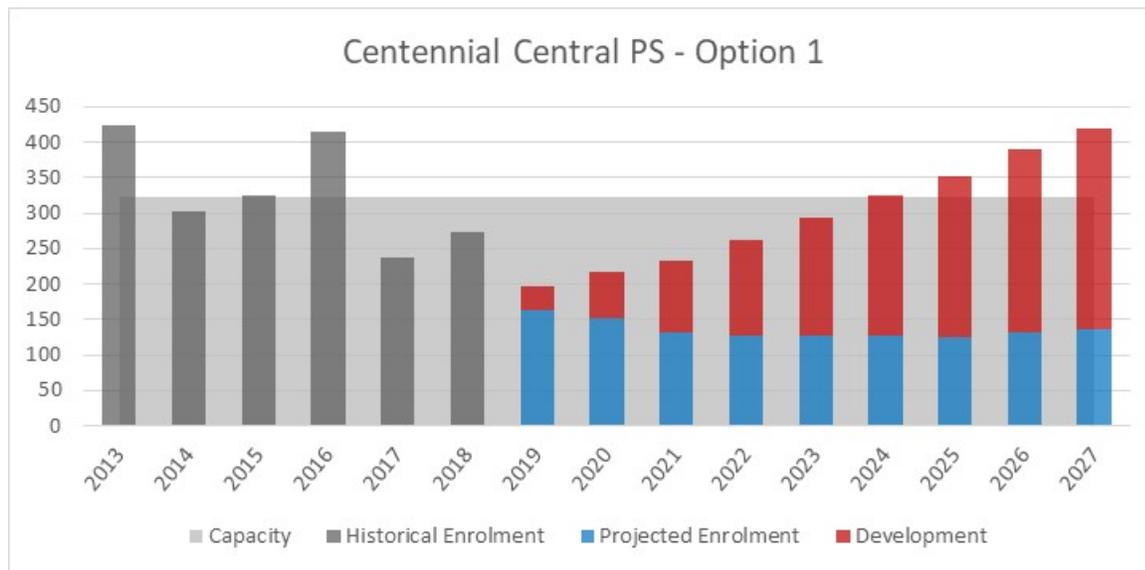
OPTION 1: Attendance Area Changes – Areas U, V

While currently underutilized, Centennial Central PS is expected to have enrolment pressure issues over the projected term due to expected residential development in North London. The Board may consider redirecting students residing in the City of London's portion of Centennial Central PS's boundary south of Sunningdale Road (Areas U, V) to City of London schools (TBD).





OPTION 1: Enrolment and Capacity



OPTION 1: Outcome

- Centennial Central PS - long term utilization of 130% compared to 160%

OPTION 1: Potential Limitations/Issues

- Existing schools in North London are largely operating above permanent capacity with limited (if any) options to accommodate additional enrolment from the Centennial Central PS boundary.
- This option will result in short-term surplus space at Centennial Central PS.
- In addition, this option could result in longer term enrolment pressures or need for additional boundary adjustments or temporary space to accommodate enrolments, in the 8-10+ year time-frame.