

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Township of Cavan Monaghan Ward Boundary Review Preliminary Ward Boundary Options

The logo for Watson & Associates Economists Ltd. is located in the bottom right corner, enclosed in a white circle. It features a blue stylized leaf icon to the left of the text "Watson & Associates" in a serif font, with "ECONOMISTS LTD." in a smaller sans-serif font below it.

Watson
& Associates
ECONOMISTS LTD.

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Introduction

The Township of Cavan Monaghan has been reviewing its ward boundaries which were established in 1998. A ward is a geographical division of a city, town or township for administrative or political purposes. The Township's population has been growing and changing and the Township wants to make sure that the wards still reflect the populations and the residents of Cavan Monaghan of today and of tomorrow.

The overall objective of a ward boundary review is to establish fair and equitable representation of the citizens at the city council table.

Are the population balanced among the wards? Have the communities within Cavan Monaghan changed enough that the electoral wards need to be adjusted?

The consultants that were hired to conduct the review think that the Township and its residents should consider looking at alternative ward boundaries and have designed some preliminary options for review.

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



History

The current ward structure was established when the Townships of Cavan and North Monaghan, and the Village of Millbrook were merged to form the Township of Cavan Monaghan.

Current Ward Boundary Review

Necessitated by significant population growth (around 20% since 1998), which has been unevenly distributed.

Current ward structure was established when Townships of Cavan and North Monaghan, and the Village of Millbrook, were merged to form the
Township of Cavan Monaghan

Prospective Ward Boundary Review

Ultimately abandoned due to lack of public interest

Council Structure:
3 Local Councillors
(1 for each ward)
Mayor & Deputy Mayor At-large



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Options

The consultants have prepared 4 preliminary options that are contained in this report. In each option, the maps show the wards in colour blocked areas. There are some features added to help you recognize features within each ward, such as major roadways and rail lines.

A population table for each option has also been provided that provides a summary of population by wards for both 2021 (existing population) and 2030 (projected population).

The tables also show the average ward population and how far from the average, each individual ward's population is (variance). An 'optimal' range for each ward is also identified based on the guiding principle of population parity that ward populations should strive to be within +/- 25% of the average. The tables correspond to the legend included below.

Symbol	Description	Variance	2021 Population Range	2030 Population Range
OR+	Outside Range - High	25%	4,296	4,888
O+	Above Optimal	5%	3,609	4,106
O	Optimal Population Range	-	3,437	3,910
O-	Below Optimal	-5%	3,265	3,715
OR-	Outside Range - Low	-25%	2,578	2,933



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



How were the Preliminary Options designed?

The existing ward system and any preliminary options designed by the consultants are evaluated against a set of guiding principles that have been established for this review. The guiding principles are provided for reference on the following page.

In places like Cavan Monaghan that have concentrations of urban populations, expected future growth and large rural areas it becomes difficult to design a system that has a perfect balance of all the guiding principles. In many instances, if population parity amongst wards is favored there may be a resultant trade-off in prioritizing communities of interest or the option may not be able to use identifiable and recognizable boundaries. Conversely, if communities of interest become a priority in the design, this could result in difficulties in achieving population parity. This is especially true for rural areas.

Viable ward boundary designs should attempt to reflect and balance as many of the guiding principles as possible.

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Guiding Principles

The following principles were used to evaluate the existing ward structure and subsequent alternative options:

EFFECTIVE REPRESENTATION

Evaluate the capacity of each ward to give residents an effective voice in decision making

1

REPRESENTATION BY POPULATION

Ensure that every Councillor represents an equal number of constituents while allowing for some variation

2

REPRESENTATION OF COMMUNITIES OF INTEREST

Recognize community groupings and try to keep them intact

3

POPULATION & ELECTORAL TRENDS

Consider projected growth and population shifts over three election cycles

4

GEOGRAPHICAL & TOPOGRAPHICAL FEATURES & BOUNDARIES

Ensure ward boundaries are recognizable and where possible use permanent or natural features

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



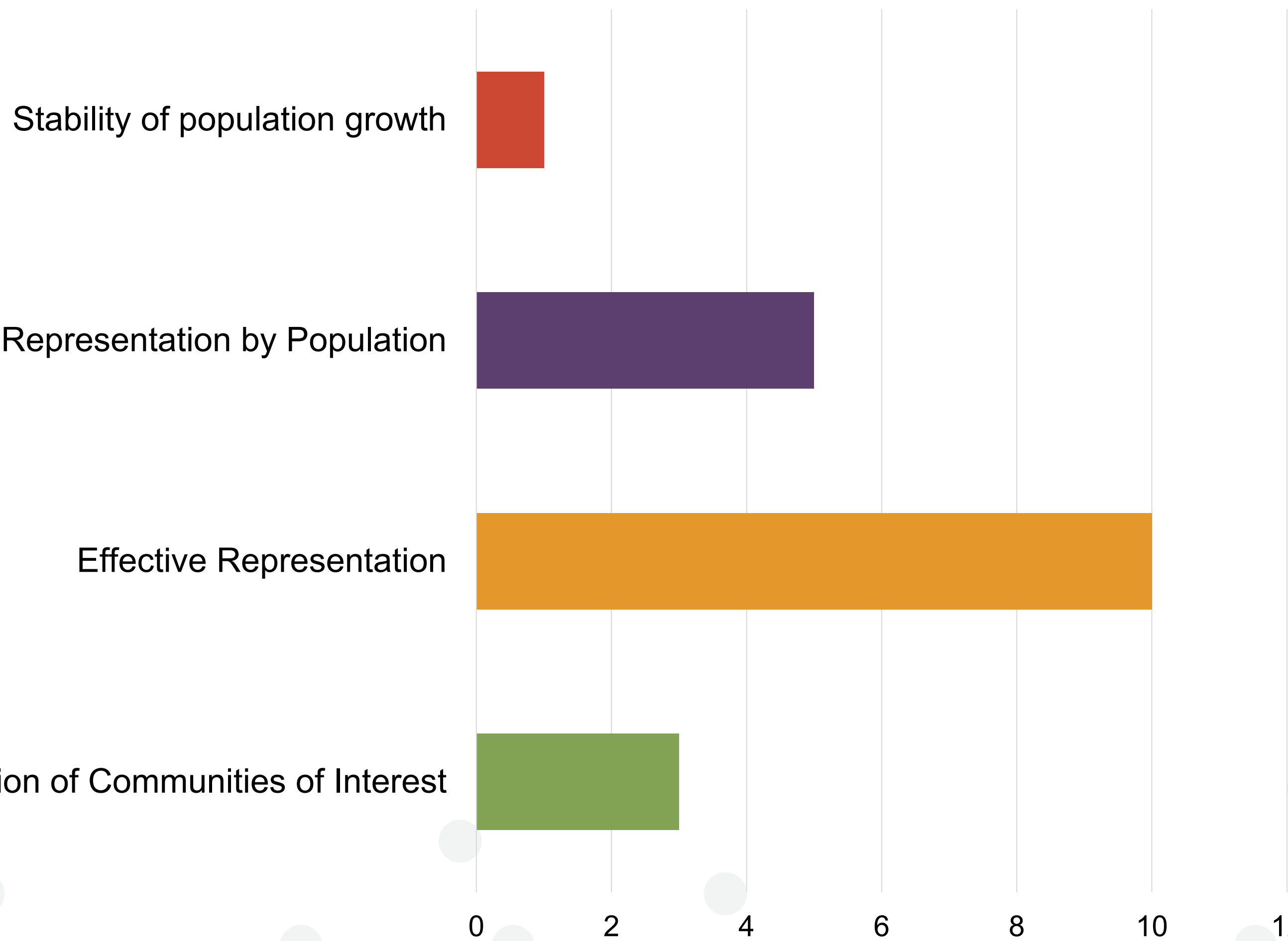
What We Heard

20 Survey Respondents

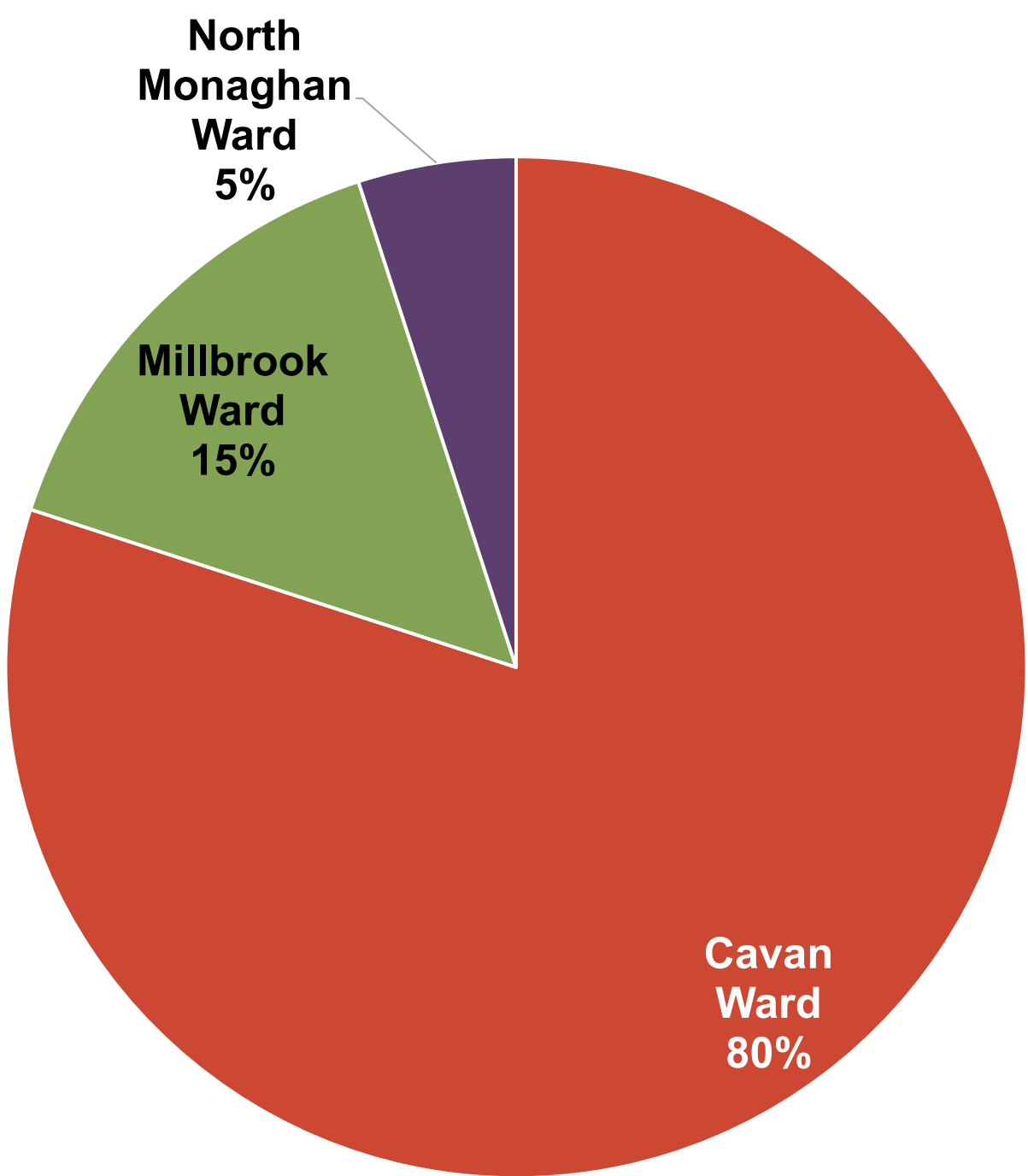
2,195 People Reached
933 Likes
170 Engaged Users

1,045 Impressions

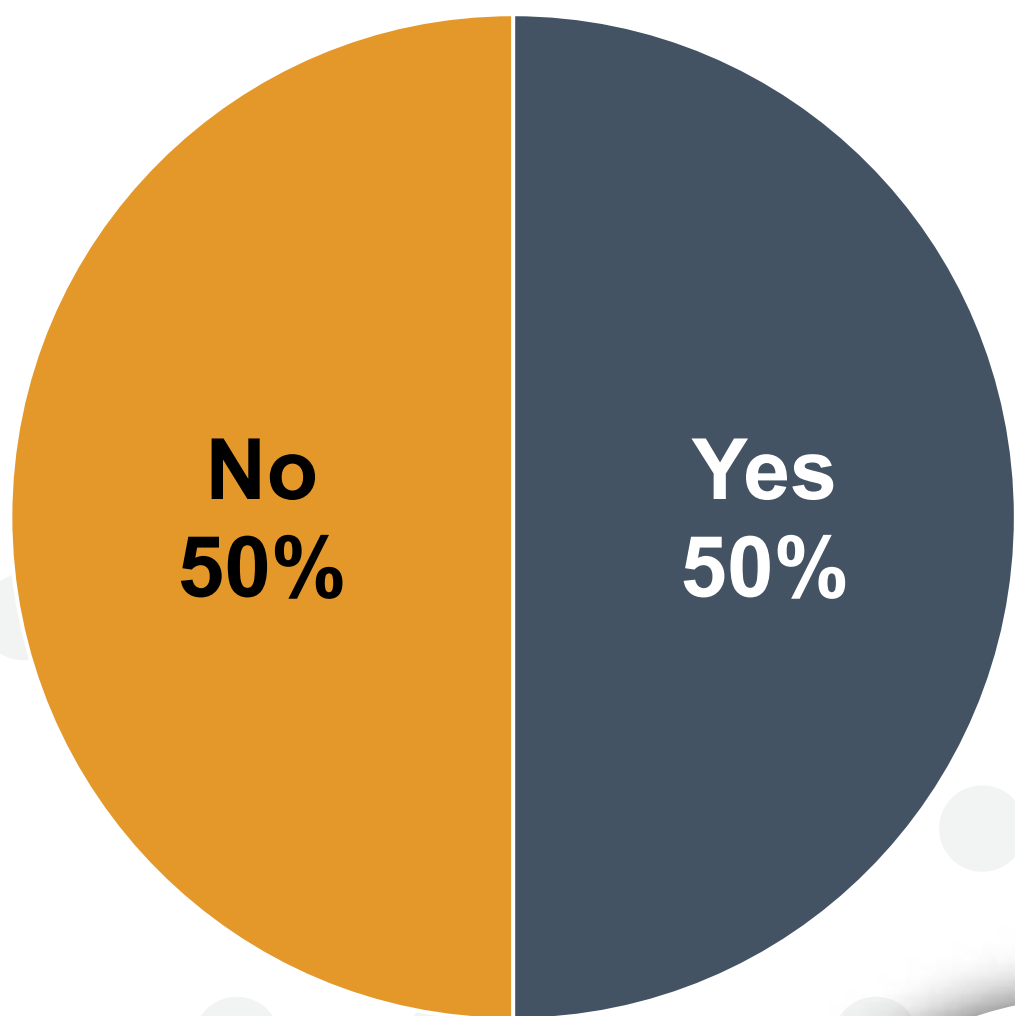
Which principle should be given the highest priority?



Responses by Ward



Do you feel the current ward system represents you?



Township of Cavan Monaghan Ward Boundary Review 2020

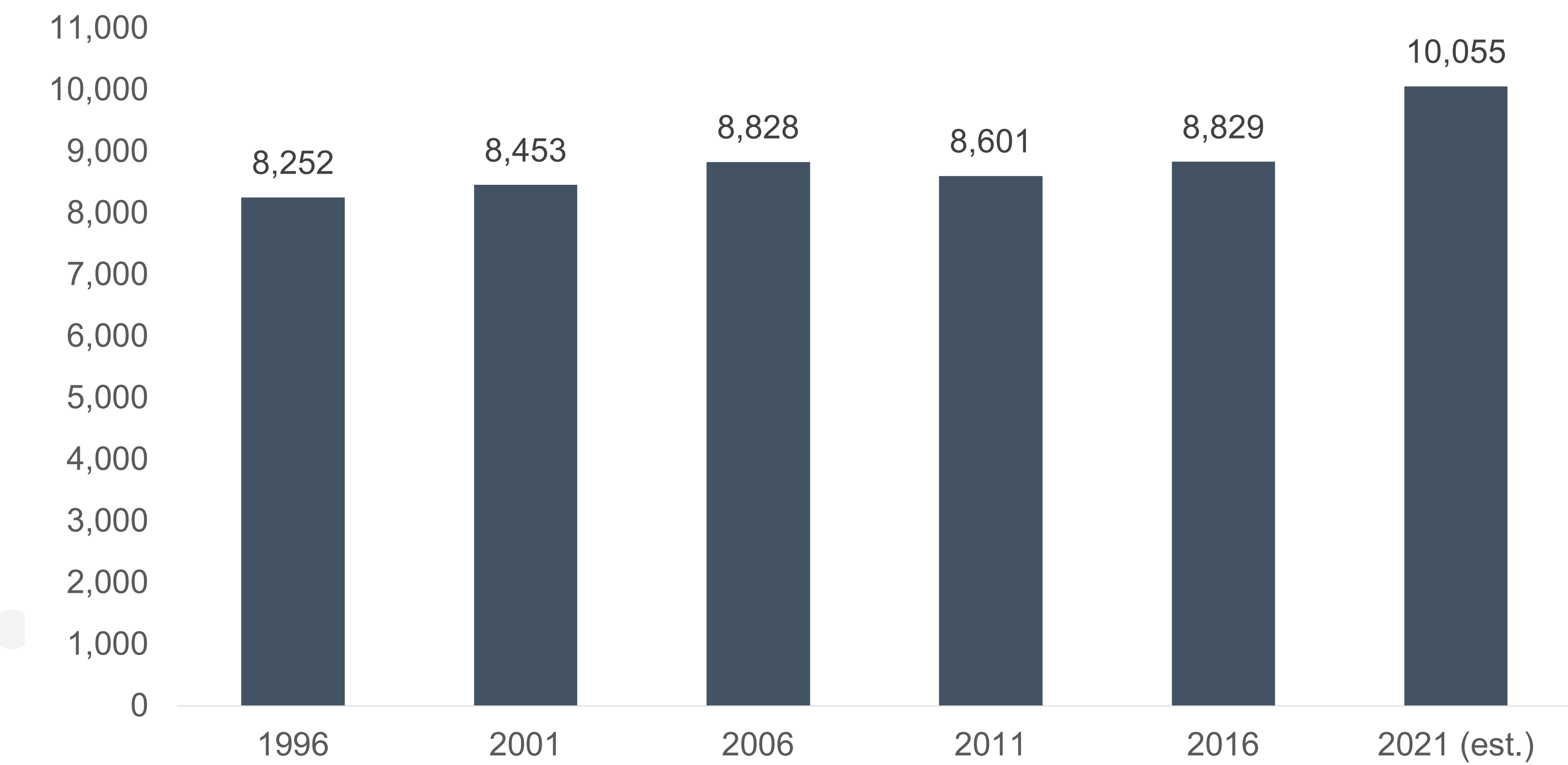
cavanmonaghan.net/wbr



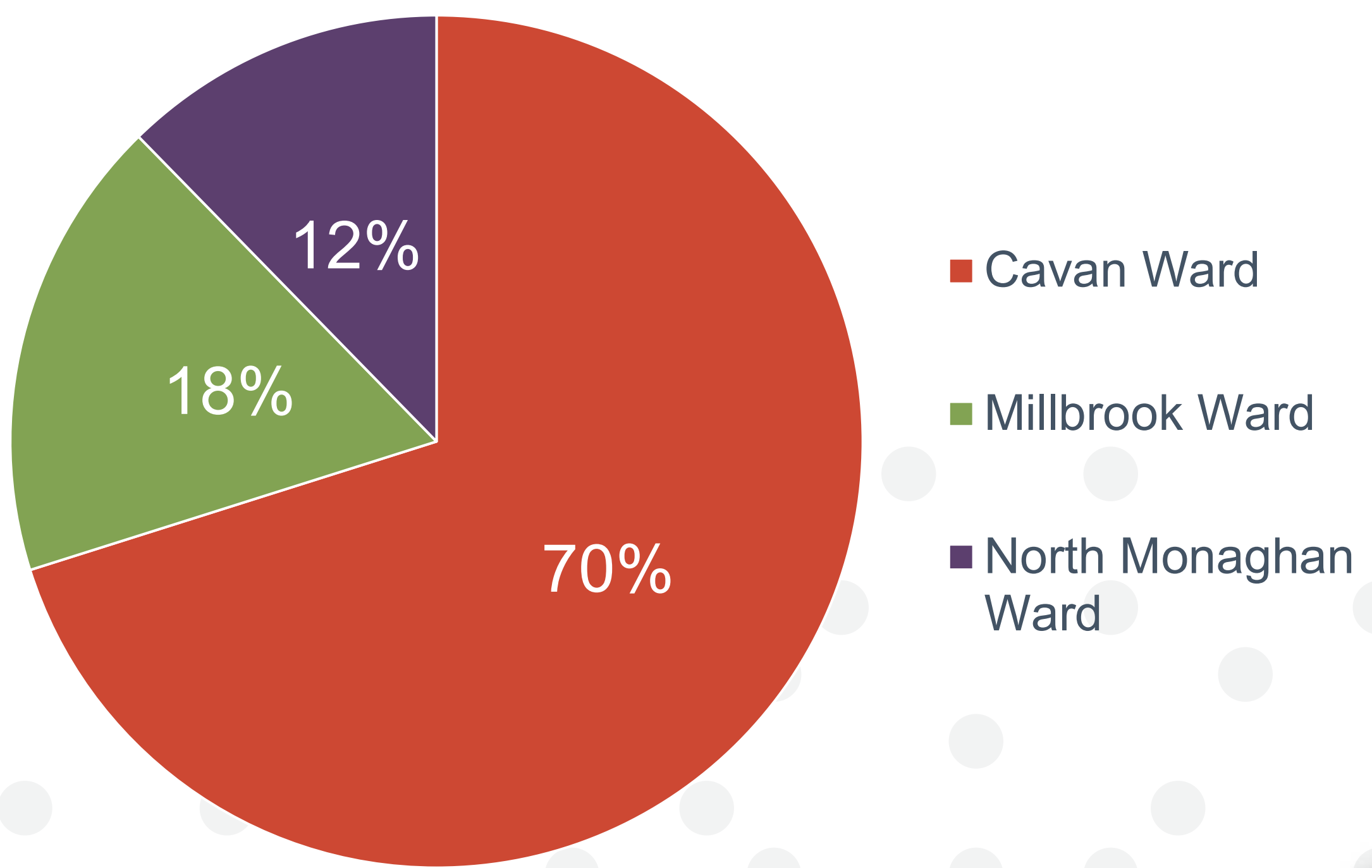
Existing Population Overview

- Since the development of the current ward structure in 1998, the population of Cavan Monaghan has grown by approximately 22% from 8,300 to 10,050 (census populations excluding undercount).
- Currently there is a great population disparity between wards; currently the Cavan Ward accounts for 70% of the population while the North Monaghan Ward only accounts for 12% of the population.

Historical Census Population Trend



2021 Population by Ward



Township of Cavan Monaghan Ward Boundary Review 2020

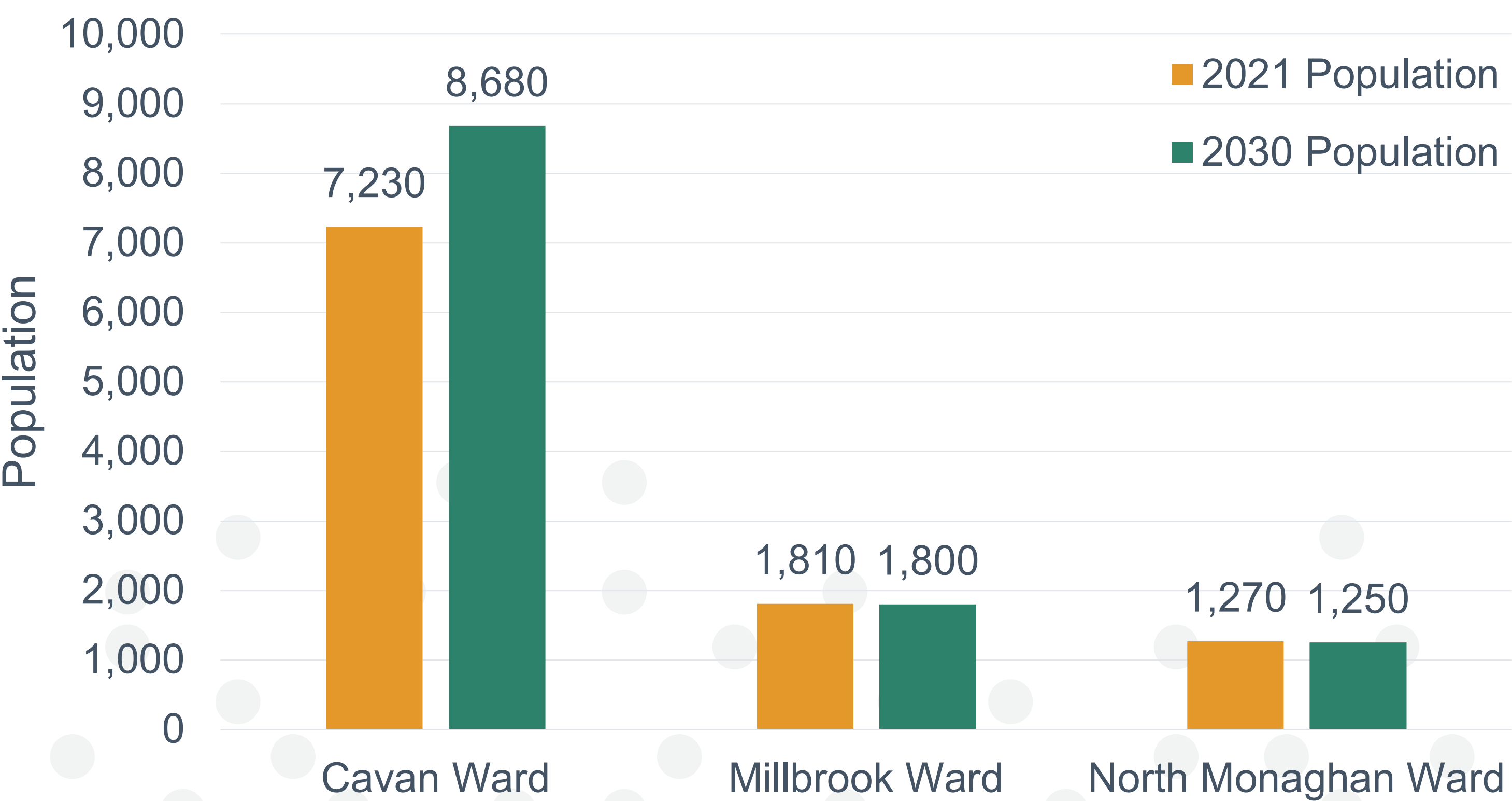
cavanmonaghan.net/wbr



Future Population Growth

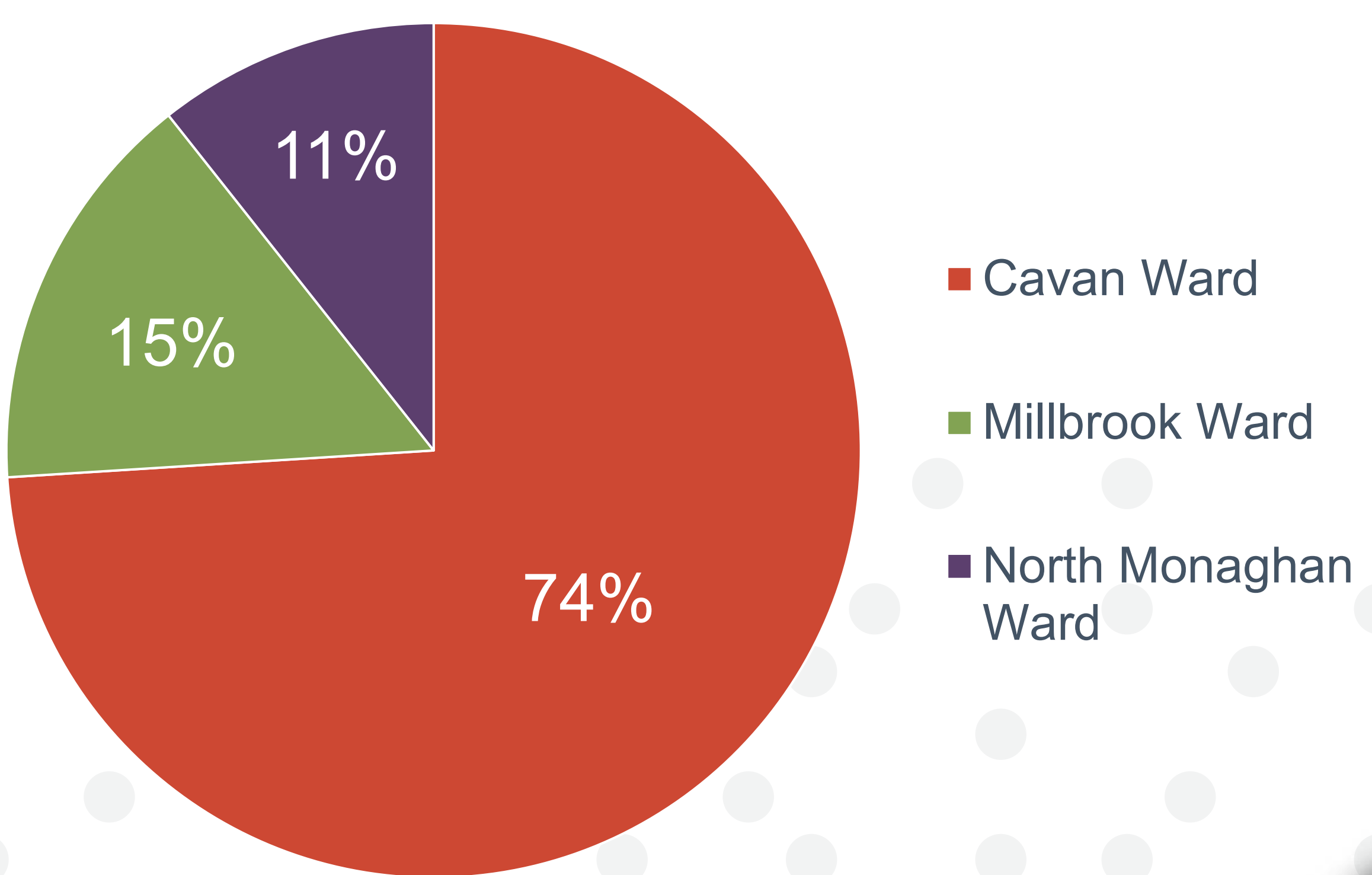
- Cavan Monaghan is anticipated to grow from 10,310 (including undercount) by approximately 1,420 people to 11,730 by 2030, a growth of 14%.
- A majority of the housing growth is expected within the existing settlement area of Millbrook, with minor growth expected within the rural and other.

Population Growth by Ward



Population includes census undercount of approximately 2.5%

2030 Population by Ward



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Ward Boundary Options

In the existing ward configuration, the population is significantly unbalanced with one ward (Cavan) home to over three times as many people as each of the other wards and the same ward covers over three quarters of the area of the Township.

Preliminary Option 1

This Option includes proposed Wards One and Two in the north and proposed Ward Three in the south of the Township, with Howden Quarter Line and the associated road allowances as the boundary between the two northern wards above Highway 115 with the Highway serving as the southern boundary of the proposed Ward Two. The proposed Ward One remains centred on North Monaghan and Springville while the proposed Ward Two includes the three settlements along County Road 10 (Cavan, Ida and Mount Pleasant) and the neighbourhood north of the Highway at Tapley Line. The proposed Ward Three consists of the area south of Highway 115 and Larmer Line, centred on Millbrook. The wards continue to reflect the pre-amalgamation municipalities but are more balanced in area and the boundaries largely follow recognizable features. Although the population of the proposed Ward 3 is above the optimal range, the overall population distribution is better than in the existing ward system.

Preliminary Option 2

This Option includes a northern ward in an east-west alignment across the entire Township north of Morton Line plus an area east of County Road 28 south of Clifford and Mervin Lines. The proposed Ward 2 is a relatively lightly populated inverted “L-shape” running from Morton Line along the western boundary of the Township with the proposed Ward 3 including the territory south of Larmer Line and east of a line just east of Valleyview Drive that aligns with Elgar Drive and its extension to the boundary with Port Hope. The proposed Ward 1 contains several identifiable settlements across the northern tier of the Township and successfully meets the two population principles. Since the proposed Ward 3 is anchored on Millbrook, forecast residential development around that settlement area will take the ward above the range of variation by 2030. The proposed Ward 2 contains communities largely clustered along the Highway 115 corridor but also a more sparsely settled area on the southwest side of the Township.

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Ward Boundary Options

Preliminary Option 3

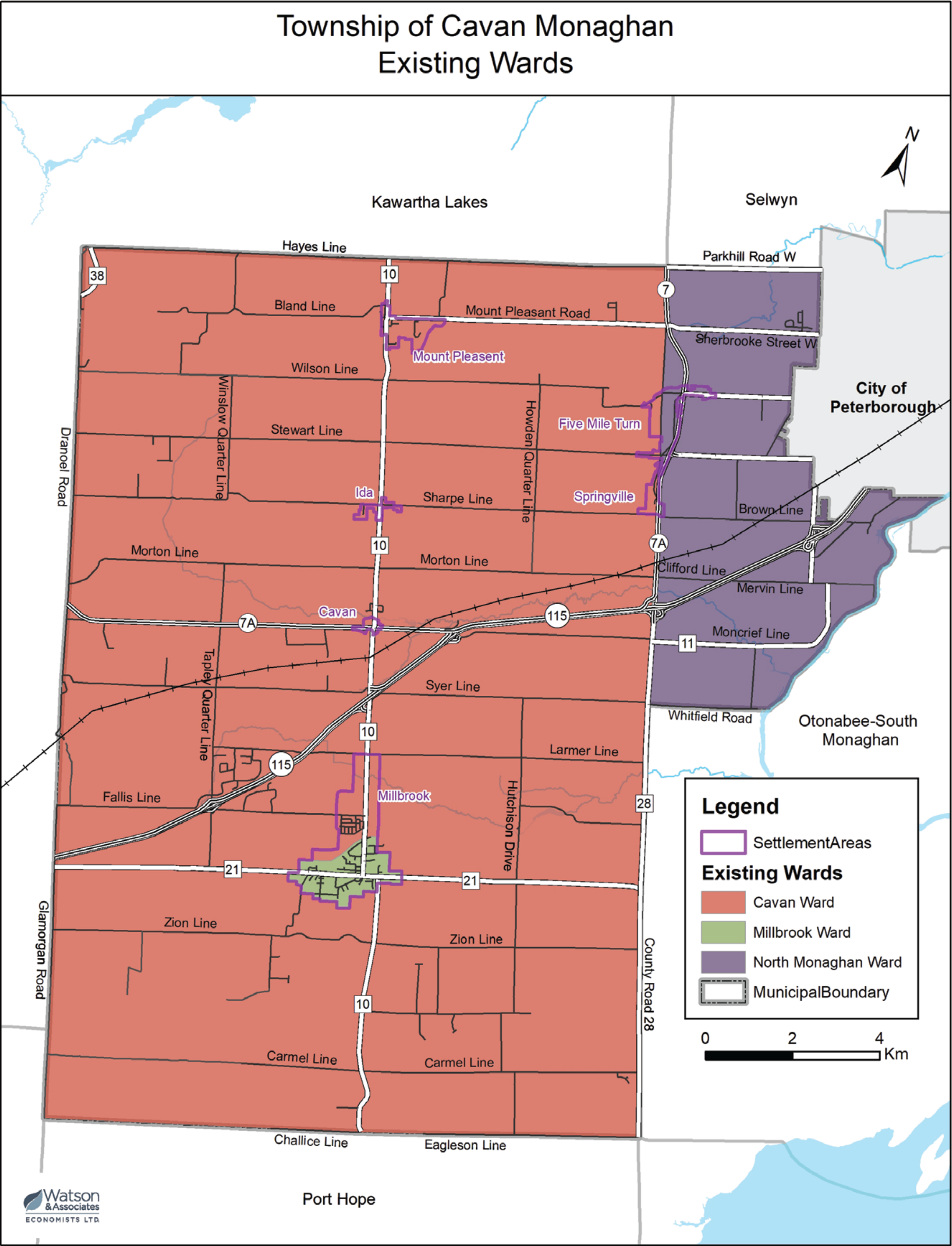
This Option adapts some of the features of Preliminary Options 1 and 2 by dividing the north into two wards at Howden Quarter Line and the associated road allowances as in Preliminary Option 1 while separating the proposed Wards 2 and 3 along a line just east of Valleyview Drive that aligns with Elgar Drive and its extension to the boundary with Port Hope, as in Preliminary Option 2. The entire length of the northern boundary of the proposed Ward 3 is Highway 115. The alignment maintains some of the historic foundations of the Township with the proposed Ward 1 an enlarged North Monaghan and the proposed Ward 2 including most of the established settlements in the present Cavan Ward. As is the case with the first three Preliminary Options, the population of the proposed Ward 3 is above optimal since it includes not only the Millbrook urban area but the primarily rural territory out to the southeast corner of the Township.

Preliminary Option 4

This Option is also an adaptation, not only of one of the other Preliminary Options but of the existing ward system in Cavan Monaghan in which Millbrook is designated as a separate ward surrounded entirely by another ward. As in Preliminary Option 2, there is a northern ward in an east-west alignment across the entire Township north of Morton Line plus an area east of County Road 28 south of Clifford and Mervin Lines. The proposed Ward 2 is redrawn from the inverted “L-shape” of Option 2 south of Morton Line to a square running south from that line all the way to the boundary with Port Hope surrounding a smaller square that is a ward that includes Millbrook but only a small part of its immediate area. The proposed alignment uses clear and identifiable lines as ward boundaries and is the most successful at meeting both the short-term and longer-term population principles. Two of the wards remain largely rural with scattered hamlets, while the growing population centre at Millbrook is concentrated in the third ward, meaning that it does not dominate the rural community in the southeast corner of the Township, as in the other Preliminary Options.

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Existing Ward Structure

- Existing wards closely align with the communities of interest/historical boundaries of pre-amalgamation municipalities.
- The existing Cavan Ward already holds a large share of the population and is expected to continue to grow over the next three elections.

Ward #	2021 Population ¹	Variance	Optimal Range	2030 Population ¹	Variance	Optimal Range
Existing Wards						
Cavan Ward	7,230	2.10	OR-	8,680	2.22	OR-
Millbrook Ward	1,810	0.53	OR-	1,800	0.46	OR-
North Monaghan Ward	1,270	0.37	OR-	1,250	0.32	OR-
Total	10,310			11,730		
Average	3,437			3,910		

Source: Watson & Associates Economists Ltd. 2020

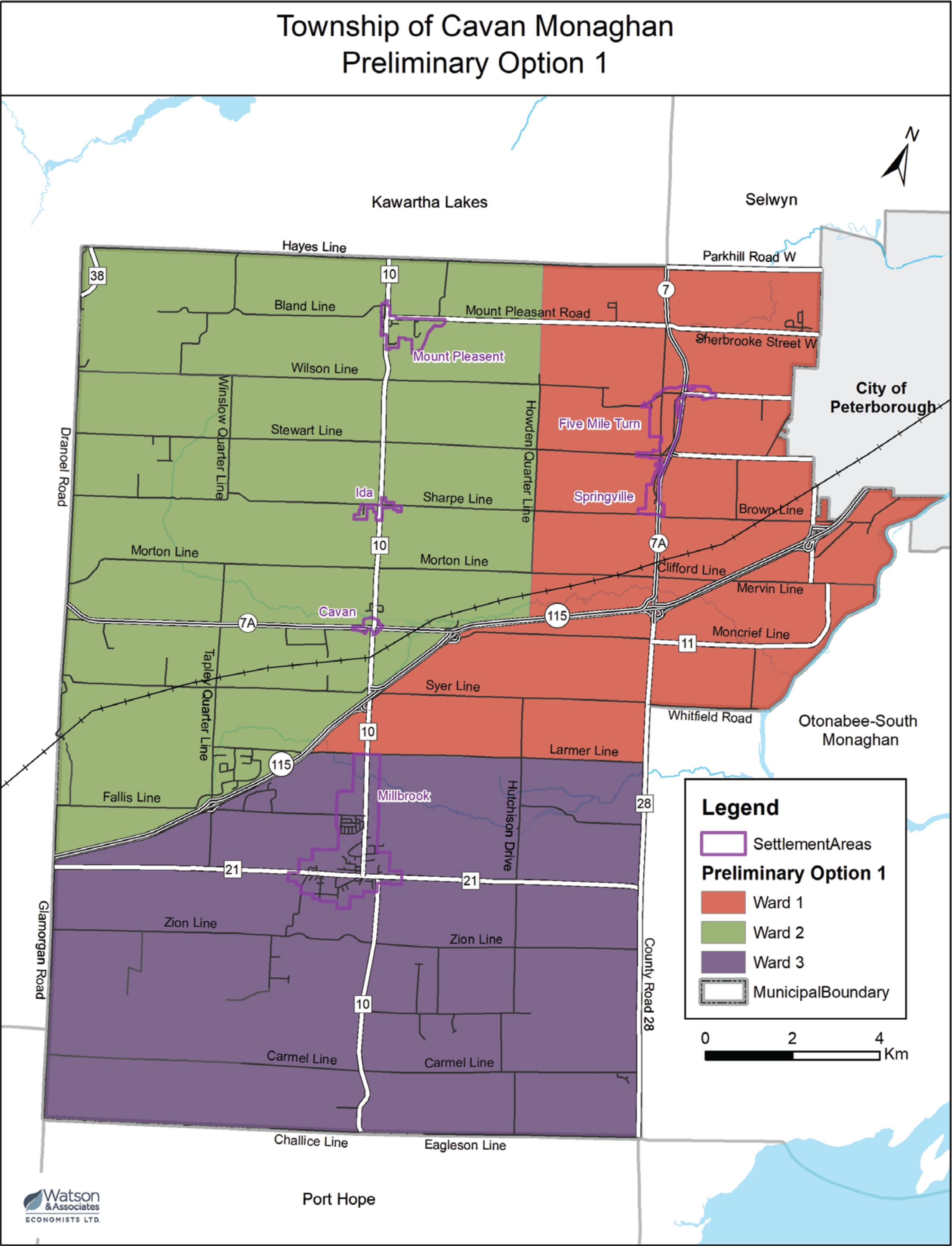
¹ Population includes net Census undercount of approximately 2.5%.

Note: numbers may not add due to rounding



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Option 1

- Two northern wards and one southern ward.
- Howden Quarter Line and the associated road allowances act as the boundary between Wards 1 & 2.
- Highway 115 to Lamer Line as the northern boundary of Ward 3.

Ward #	2021 Population ¹	Variance	Optimal Range	2030 Population ¹	Variance	Optimal Range
Preliminary Option 1						
Ward 1	2,300	0.67	OR-	2,260	0.58	OR-
Ward 2	3,240	0.94	O-	3,290	0.84	O-
Ward 3	4,770	1.39	OR+	6,180	1.58	OR+
Total	10,310			11,730		
Average	3,437			3,910		

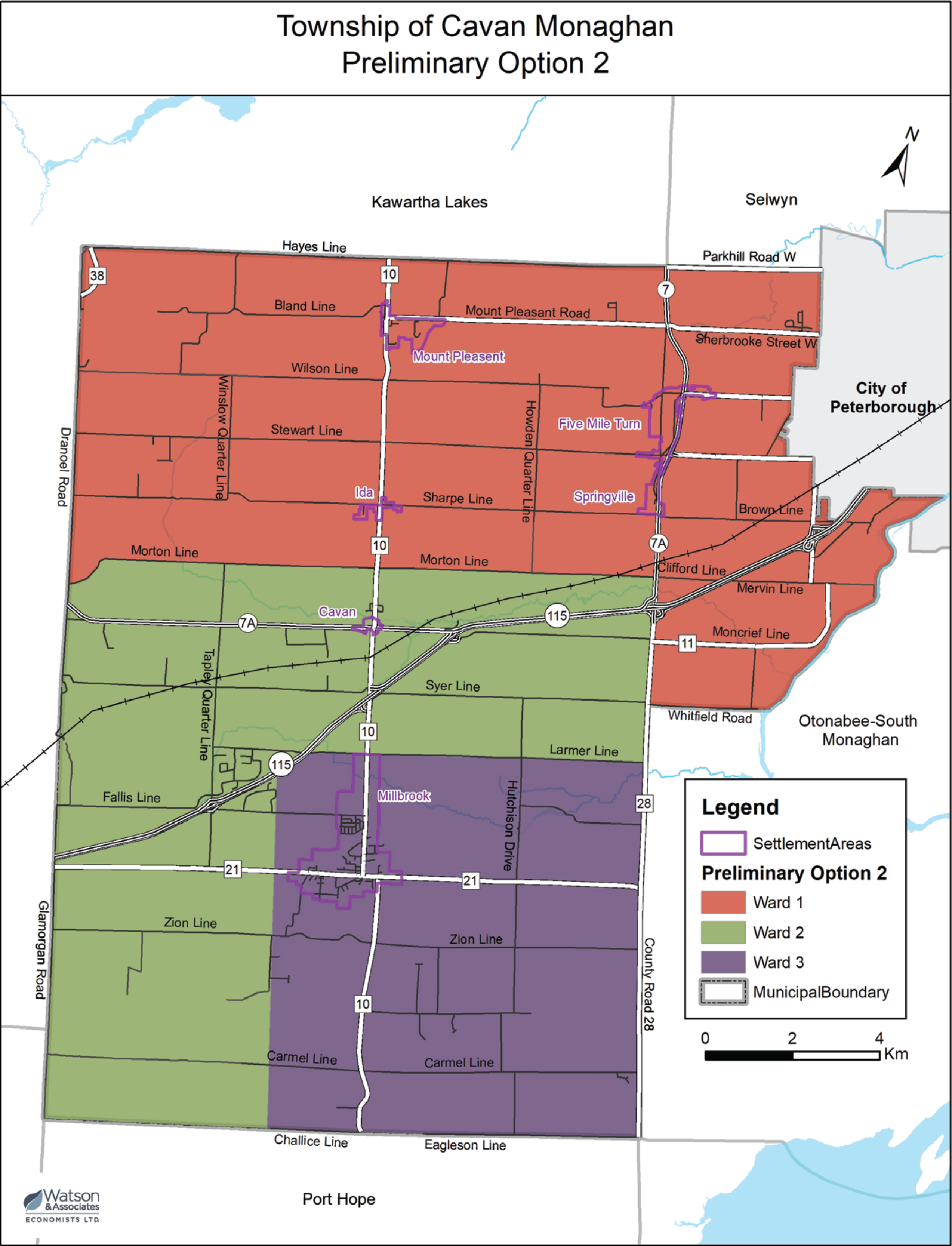
Source: Watson & Associates Economists Ltd. 2020

¹ Population includes net Census undercount of approximately 2.5%.

Note: numbers may not add due to rounding

Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Option 2

- One northern ward expanding the width of the Township and extending down to Morton Line.
- Ward 3 is anchored around the community of Millbrook with a forecasted population growth that will take the ward above the range of variation by 2030.

Ward #	2021 Population ¹	Variance	Optimal Range	2030 Population ¹	Variance	Optimal Range
Preliminary Option 2						
Ward 1	3,590	1.04	O	3,640	0.93	O-
Ward 2	2,590	0.75	O-	2,550	0.65	OR-
Ward 3	4,130	1.20	O+	5,550	1.42	OR+
Total	10,310			11,730		
Average	3,437			3,910		

Source: Watson & Associates Economists Ltd. 2020

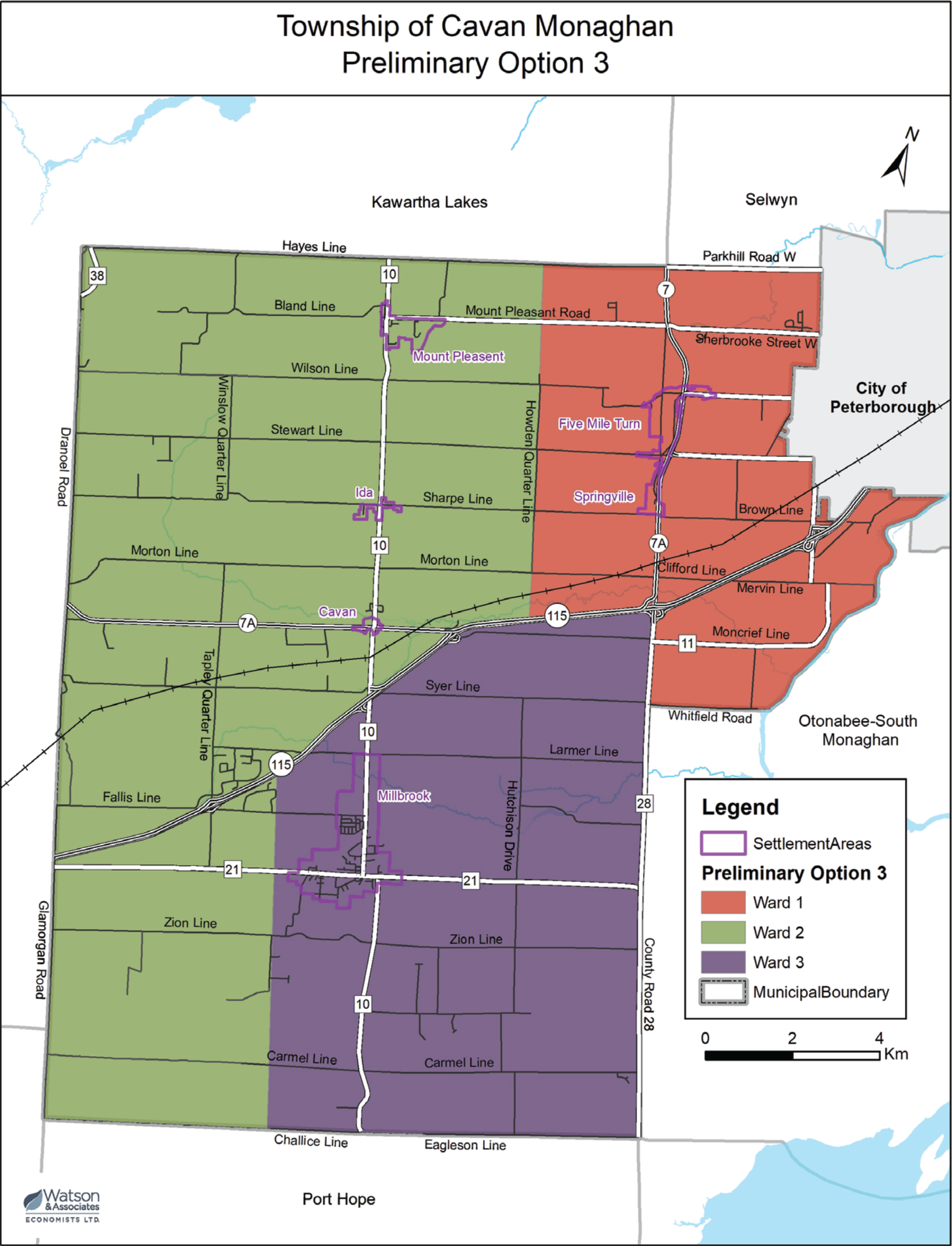
¹ Population includes net Census undercount of approximately 2.5%.

Note: numbers may not add due to rounding



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Option 3

- Two northern wards with Ward 2 extending the length of the Township (north/south).
- Ward 3 is anchored around the community of Millbrook with a forecasted population growth that will take the ward above the range of variation by 2030.

Ward #	2021 Population ¹	Variance	Optimal Range	2030 Population ¹	Variance	Optimal Range
Preliminary Option 3						
Ward 1	2,100	0.61	OR-	2,070	0.53	OR-
Ward 2	3,880	1.13	O+	3,920	1.00	O
Ward 3	4,330	1.26	OR+	5,740	1.47	OR+
Total	10,310			11,730		
Average	3,437			3,910		

Source: Watson & Associates Economists Ltd. 2020

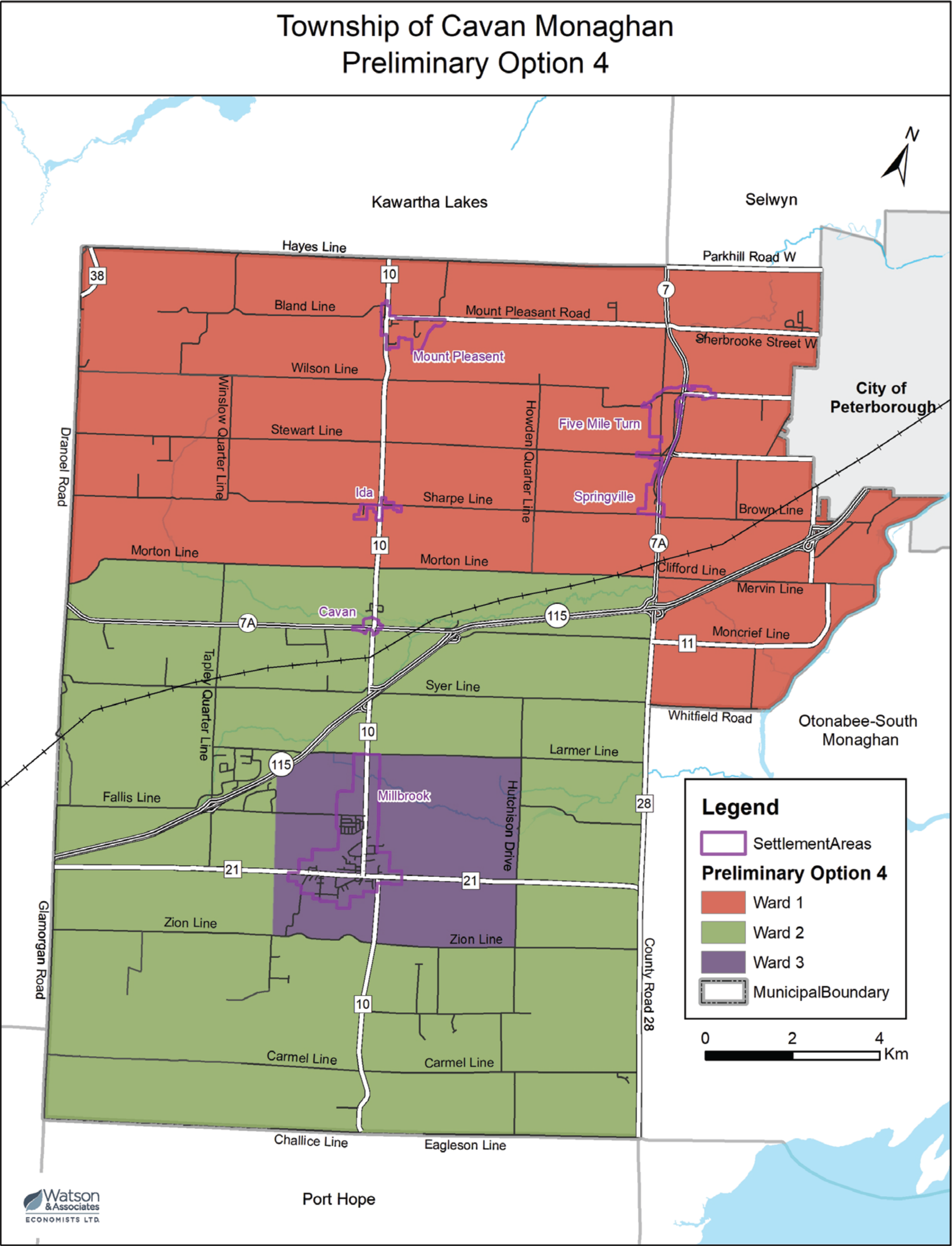
¹ Population includes net Census undercount of approximately 2.5%.

Note: numbers may not add due to rounding



Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Preliminary Option 4

- One northern ward extending the width of the Township extending down to Morton Line.
- Ward 3 is a standalone Millbrook community ward surrounded completely by Ward 2 and is the most successful at meeting both short- and long-term population principles.

Ward #	2021 Population ¹	Variance	Optimal Range	2030 Population ¹	Variance	Optimal Range
Preliminary Option 4						
Ward 1	3,590	1.04	O	3,640	0.93	O-
Ward 2	3,670	1.07	O+	3,610	0.92	O-
Ward 3	3,050	0.89	O-	4,490	1.15	O+
Total	10,310			11,730		
Average	3,437			3,910		

Source: Watson & Associates Economists Ltd. 2020

¹ Population includes net Census undercount of approximately 2.5%.

Note: numbers may not add due to rounding



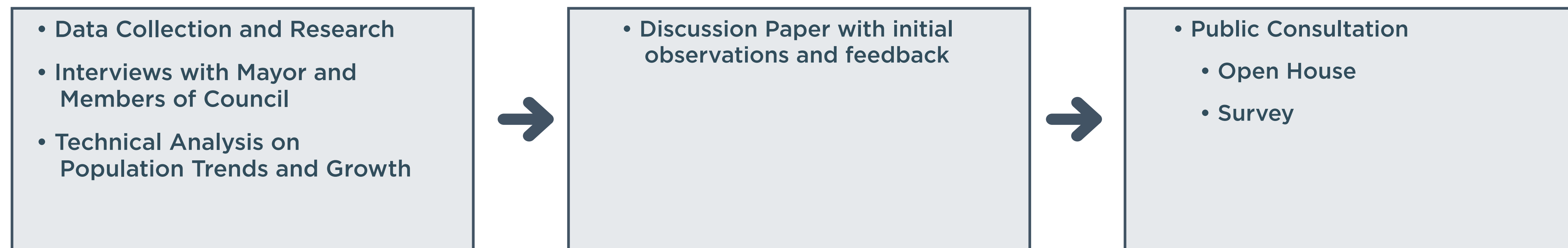
Township of Cavan Monaghan Ward Boundary Review 2020

cavanmonaghan.net/wbr



Next Steps

PHASE 1 – Evaluation of Existing System



PHASE 2 – Ward Boundary Review

