Watson & Associates ECONOMISTS LTD.

Haldimand County

Ward Boundary Review

Council Update

November 4, 2024

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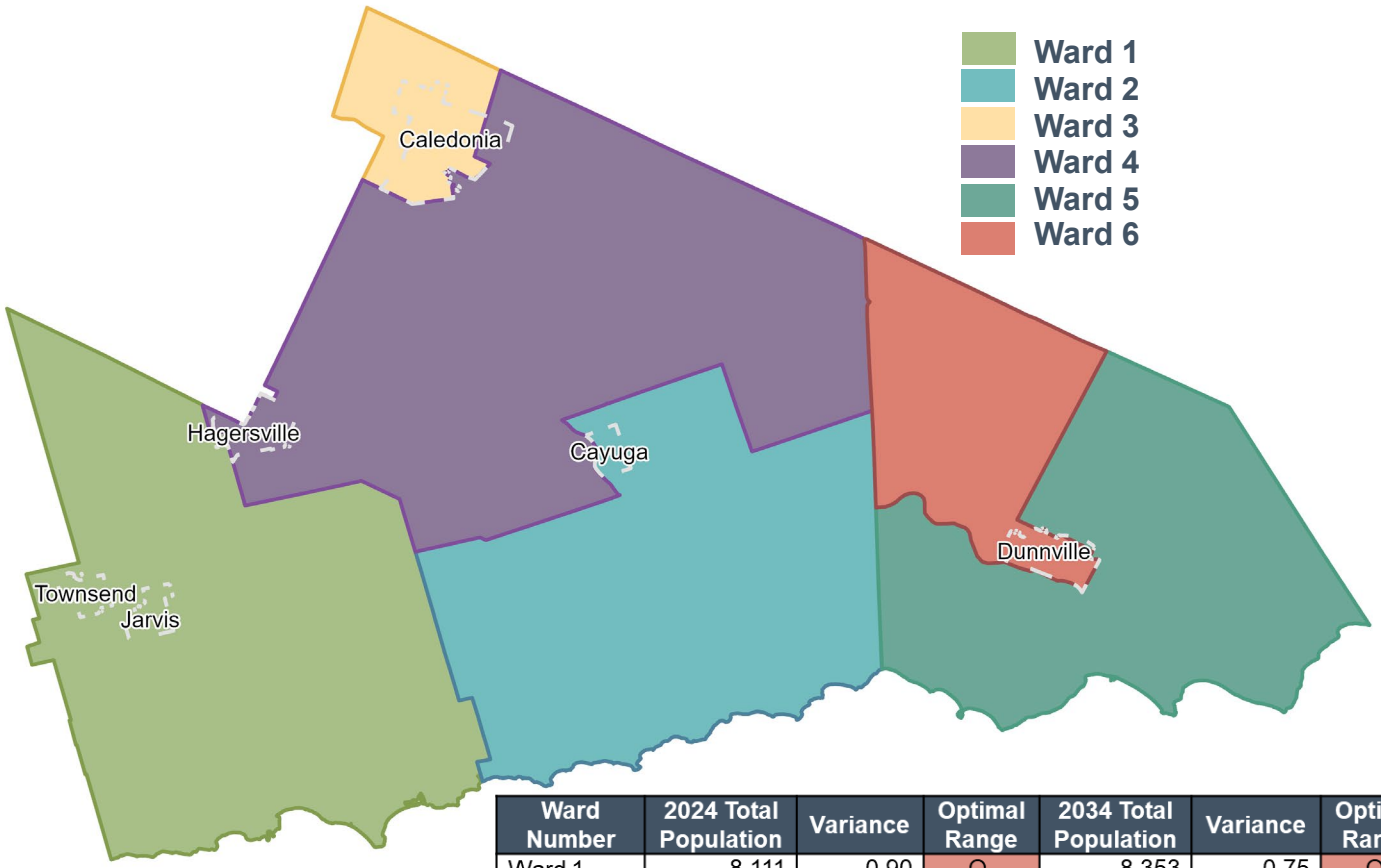
Existing Ward System



Ward Number	2024 Total Population	Variance	Optimal Range	2034 Total Population	Variance	Optimal Range
Ward 1	8,111	0.90	O-	8,353	0.75	O-
Ward 2	7,041	0.78	O-	7,723	0.70	OR-
Ward 3	13,966	1.55	OR+	19,737	1.78	OR+
Ward 4	11,071	1.23	O+	15,700	1.41	OR+
Ward 5	6,040	0.67	OR-	6,437	0.58	OR-
Ward 6	7,699	0.86	O-	8,683	0.78	O-
Total	53,927	8,988		66,634	11,106	

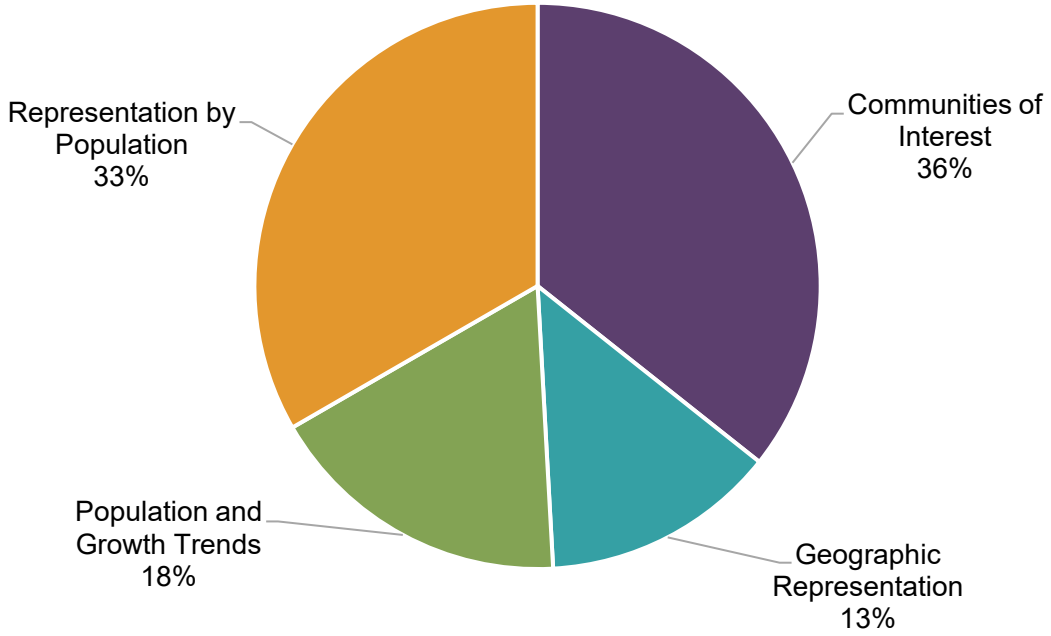
Principle	Does the Current Ward Structure Meet the Respective Principle?	Comment
Representation by Population	**No**	Two of the six wards exceed the ±25% range of variation.
Protection of Communities of Interest	**Partially Successful**	Only two of the six wards include coherent communities of interest.
Consideration of Present and Future Population Trends	**No**	Population growth will not overcome the existing population imbalance but will actually further put wards out of parity.
Consideration of Natural and Physical Boundaries	**Largely Successful**	Most boundaries are regular and/or visible lines. A significant natural boundary (Grand River) is not largely used.
Effective Representation	**No**	The relationships between constituents and councillors hinder the achievement of effective voter representation.

What We Heard

Public Engagement – Round 1

177 Responses

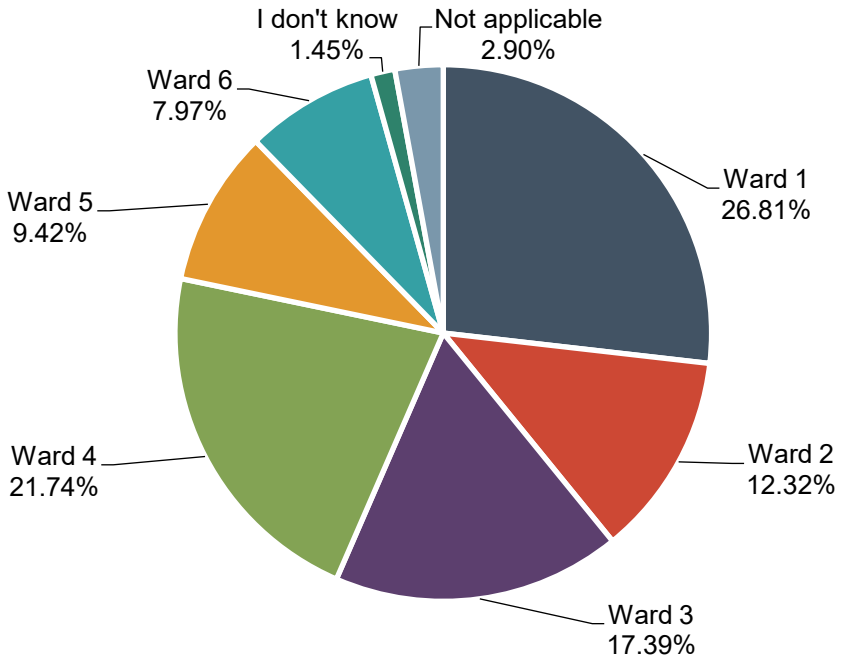
Please indicate the ONE guiding principle that should be given the greatest priority to ensure effective voter representation:



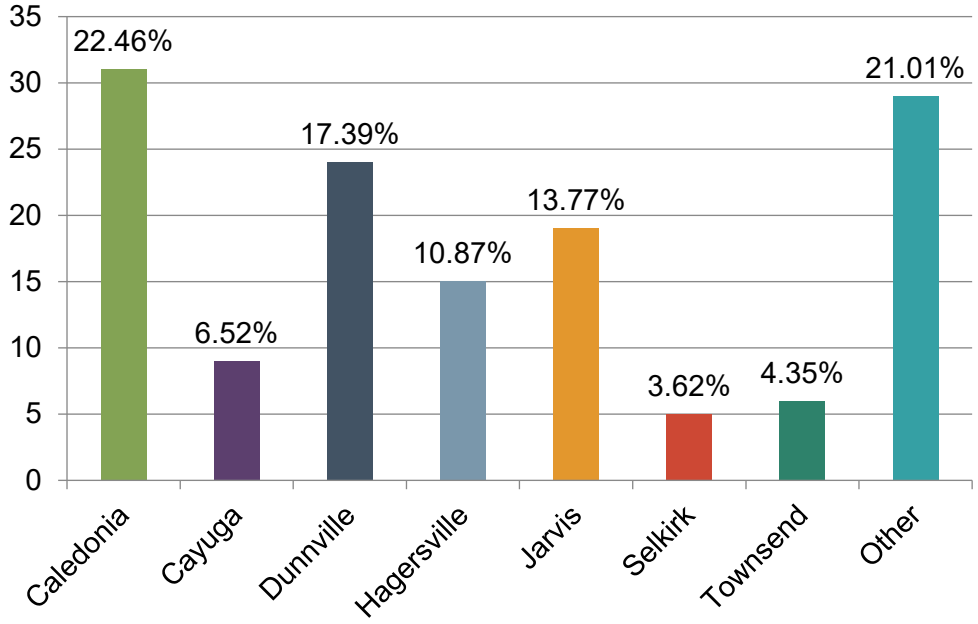
Public Engagement – Round 2

140 Responses

Which ward do you live in?



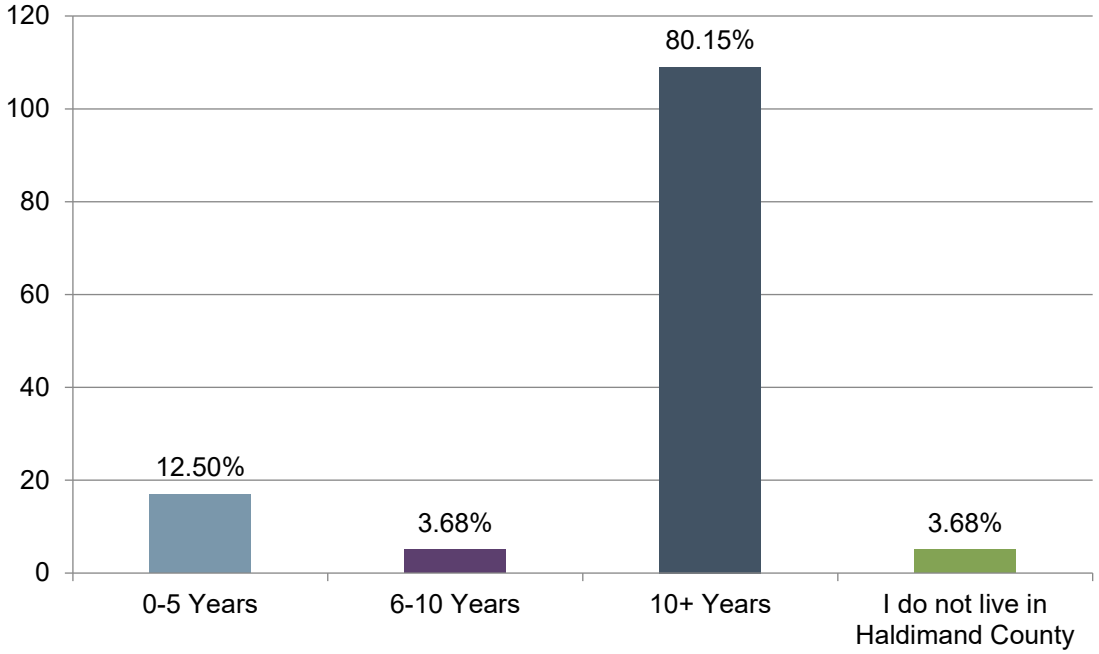
Which community in Haldimand County do you live?



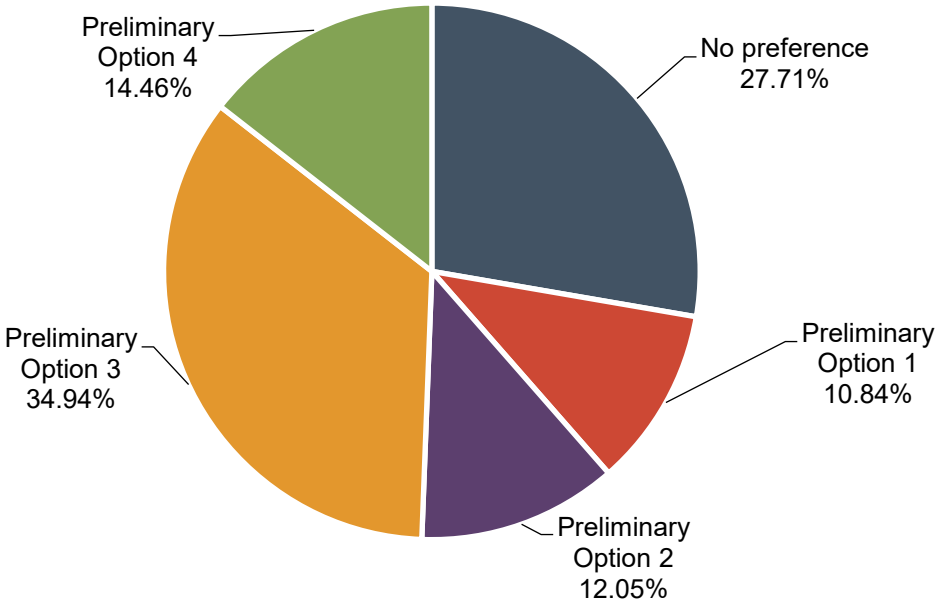
Public Engagement – Round 2

140 Responses

How long have you lived in Haldimand County?



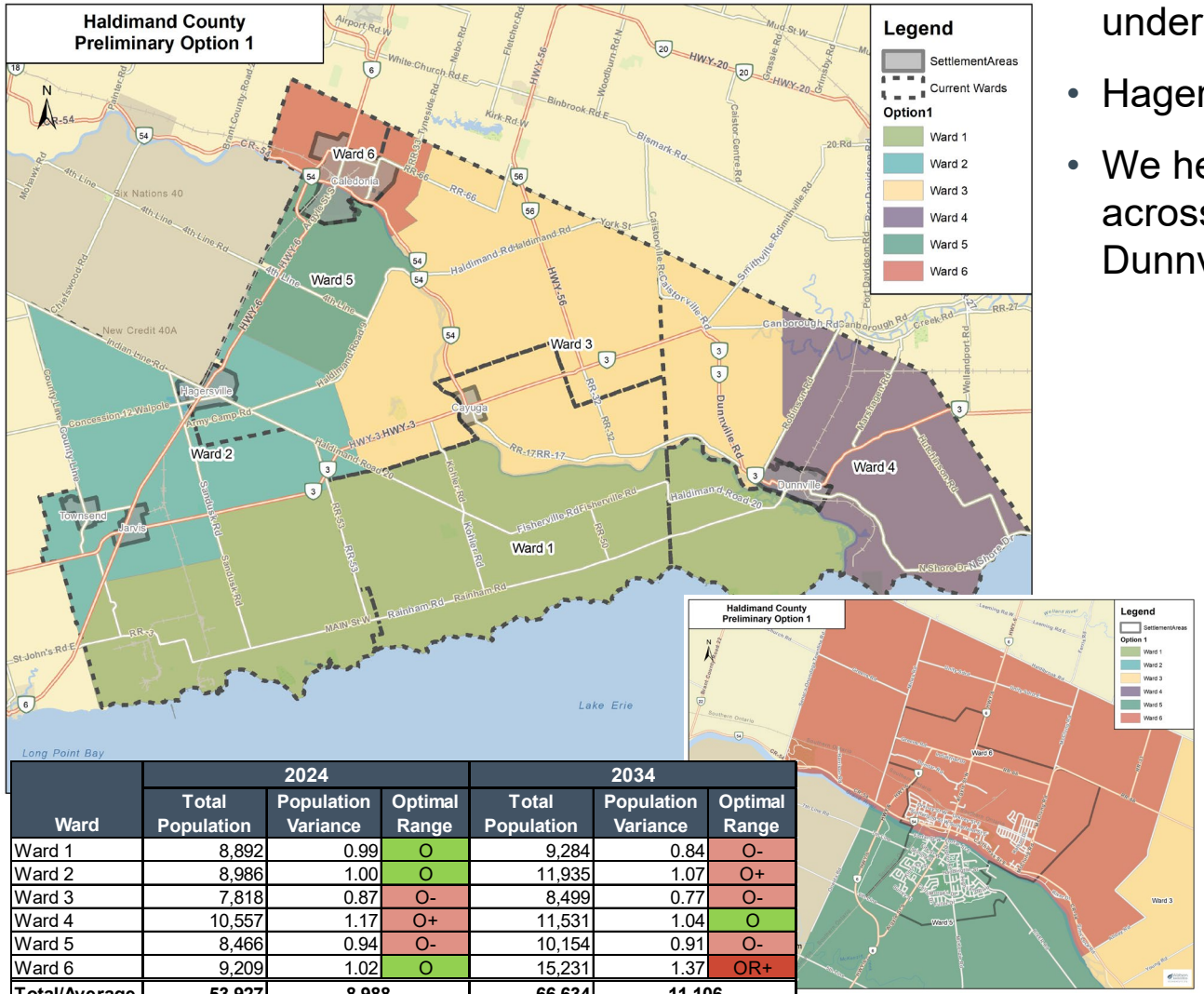
Which of the four preliminary options do you prefer?



Haldimand County

Preliminary Options Review

Preliminary Option 1

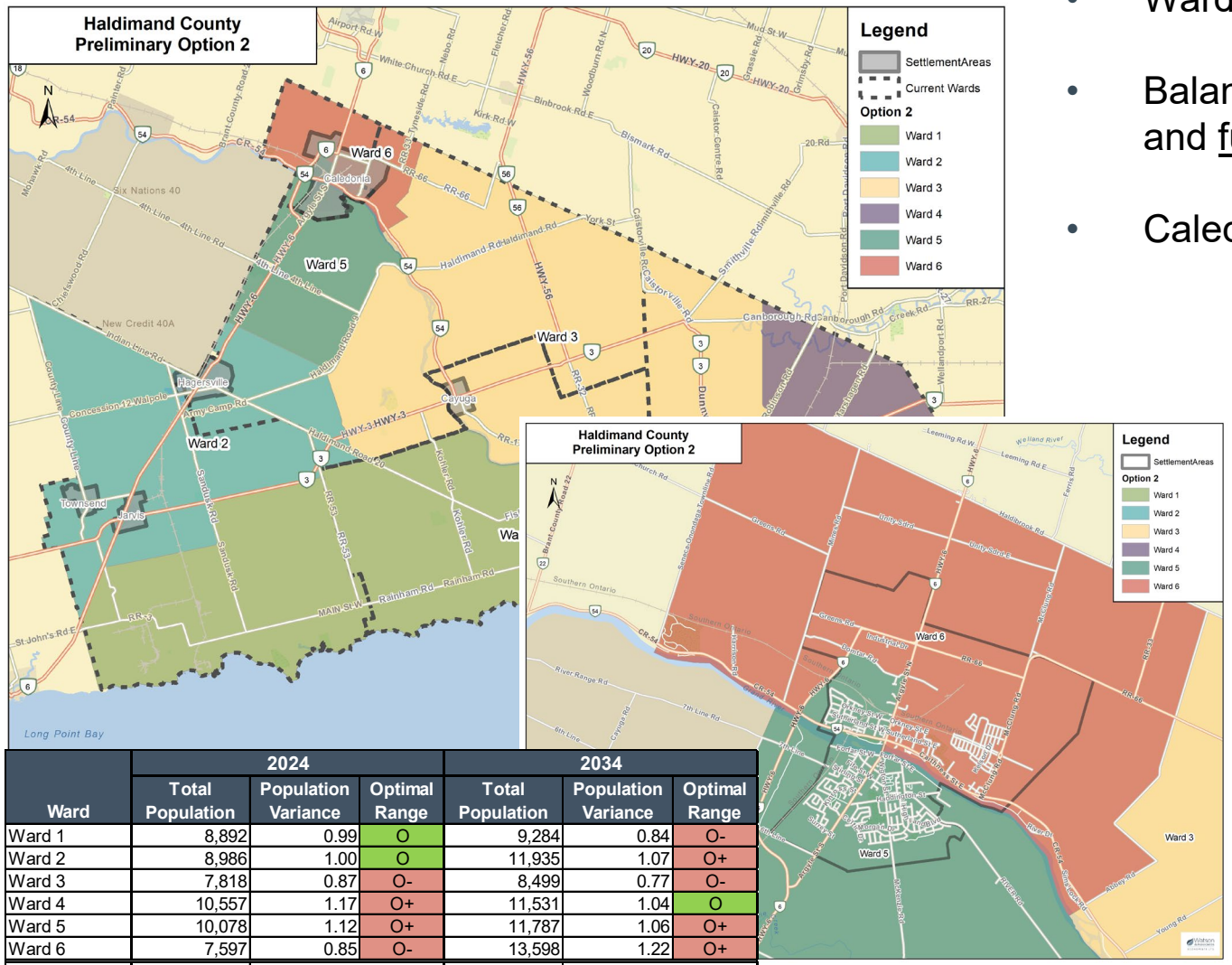


Ward	2024 Total Population	2024 Population Variance	2024 Optimal Range	2034 Total Population	2034 Population Variance	2034 Optimal Range
Ward 1	8,892	0.99	O	9,284	0.84	O-
Ward 2	8,986	1.00	O	11,935	1.07	O+
Ward 3	7,818	0.87	O-	8,499	0.77	O-
Ward 4	10,557	1.17	O+	11,531	1.04	O
Ward 5	8,466	0.94	O-	10,154	0.91	O-
Ward 6	9,209	1.02	O	15,231	1.37	OR+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

- Caledonia split: river is a logical delineation;
- Keeps the lakeshore in one ward with similar issues under one jurisdiction BUT is a very large ward;
- Hagersville now in same ward with Jarvis/Townsend;
- We heard from many residents that the Dunnville area across the river should be contained with urban Dunnville.

Principle	Does the Current Ward Structure Meet the Respective Principle?	Comment
Representation by Population	Yes	All wards fall within the ±25% range of variation with three wards within the optional range (±5%).
Protection of Communities of Interest	Yes	All six wards include coherent communities of interest with Caledonia being represented by two wards, divided north and south of the river.
Consideration of Present and Future Population Trends	Partially Successful	Five of the six wards fall within the ±25% range of variation while growth in Caledonia result in Ward 6 falling above the 25% variance.
Consideration of Natural and Physical Boundaries	Yes	Most boundaries are regular and/or visible lines.
Effective Representation	Largely Successful	Future population imbalances hinder the achievement of complete effective representation.

Preliminary Option 2

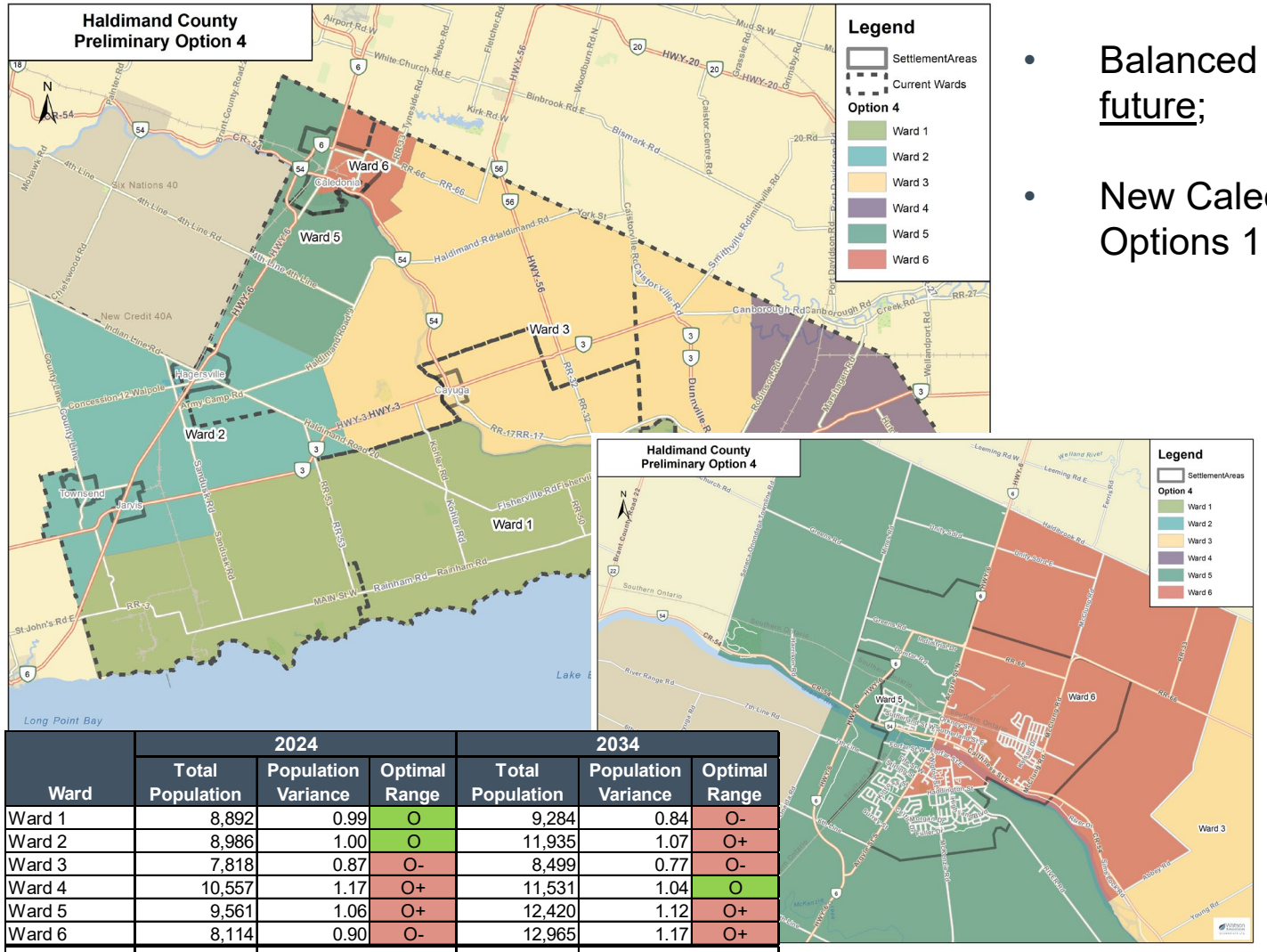


Ward	2024 Total Population	2024 Population Variance	2024 Optimal Range	2034 Total Population	2034 Population Variance	2034 Optimal Range
Ward 1	8,892	0.99	O	9,284	0.84	O-
Ward 2	8,986	1.00	O	11,935	1.07	O+
Ward 3	7,818	0.87	O-	8,499	0.77	O-
Ward 4	10,557	1.17	O+	11,531	1.04	O
Ward 5	10,078	1.12	O+	11,787	1.06	O+
Ward 6	7,597	0.85	O-	13,598	1.22	O+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

- Wards 1-4 remain unchanged from Option 1;
- Balanced Caledonia populations both present and future;
- Caledonia wards no longer split cleanly by river

Principle	Does the Current Ward Structure Meet the Respective Principle?	Comment
Representation by Population	Yes	All wards fall within the ±25% range of variation with two wards within the optional range (±5%).
Protection of Communities of Interest	Yes	All six wards include coherent communities of interest with Caledonia being represented by two wards. This configuration does not divide Caledonia north and south of the river.
Consideration of Present and Future Population Trends	Largely Successful	All six wards fall within the ±25% range of variation while growth in Caledonia result in Ward 6 approaching +25% variance.
Consideration of Natural and Physical Boundaries	Yes	Most boundaries are regular and/or visible lines.
Effective Representation	Yes	This model meets all the guiding principles and accounts for existing and future population parity while maintaining communities of interest.

Preliminary Option 4

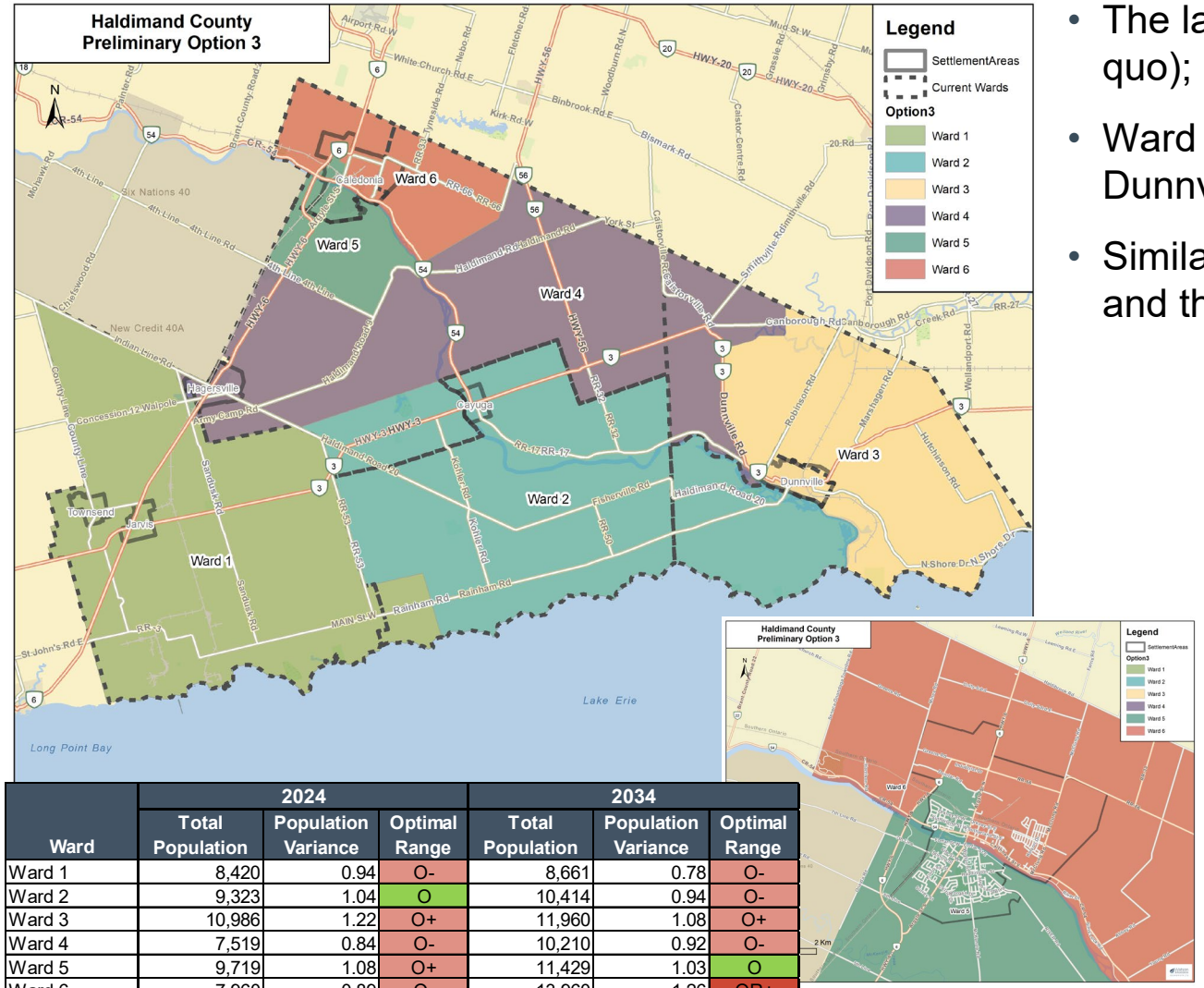


Ward	2024 Total Population	2024 Population Variance	2024 Optimal Range	2034 Total Population	2034 Population Variance	2034 Optimal Range
Ward 1	8,892	0.99	O	9,284	0.84	O-
Ward 2	8,986	1.00	O	11,935	1.07	O+
Ward 3	7,818	0.87	O-	8,499	0.77	O-
Ward 4	10,557	1.17	O+	11,531	1.04	O
Ward 5	9,561	1.06	O+	12,420	1.12	O+
Ward 6	8,114	0.90	O-	12,965	1.17	O+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

- Wards 1-4 remain unchanged from Option 1/2;
- Balanced Caledonia populations both present and future;
- New Caledonia ward configuration compared with Options 1 and 2.

Principle	Does the Current Ward Structure Meet the Respective Principle?	Comment
Representation by Population	Yes	All wards fall within the ±25% range of variation with two wards within the optional range (±5%).
Protection of Communities of Interest	Largely Successful	All six wards include coherent communities of interest with Caledonia being represented by two wards. This configuration does not divide Caledonia north and south of the river.
Consideration of Present and Future Population Trends	Yes	All six wards fall within the ±25% range of variation.
Consideration of Natural and Physical Boundaries	Yes	Most boundaries are regular and/or visible lines.
Effective Representation	Yes	This model meets all the guiding principles and accounts for existing and future population parity while maintaining communities of interest.

Preliminary Option 3



Ward	2024 Total Population	2024 Population Variance	2024 Optimal Range	2034 Total Population	2034 Population Variance	2034 Optimal Range
Ward 1	8,420	0.94	O-	8,661	0.78	O-
Ward 2	9,323	1.04	O	10,414	0.94	O-
Ward 3	10,986	1.22	O+	11,960	1.08	O+
Ward 4	7,519	0.84	O-	10,210	0.92	O-
Ward 5	9,719	1.08	O+	11,429	1.03	O
Ward 6	7,960	0.89	O-	13,960	1.26	OR+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

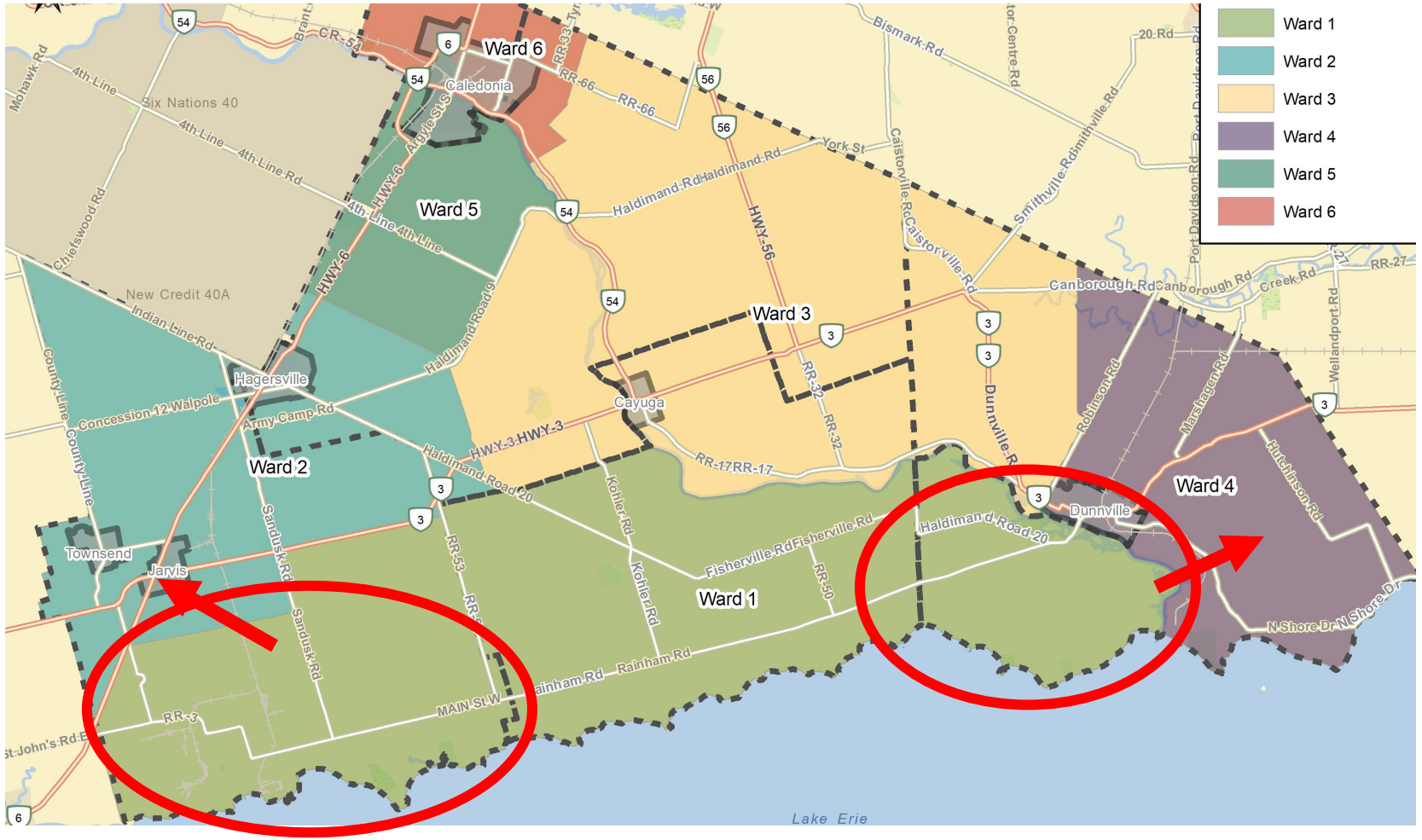
- Has similarities to the existing system outside of the Caledonia/Dunnville areas;
- The lakeshore is split amongst 3 different wards (status quo);
- Ward 4 remains large and stretches from Hagersville to Dunnville;
- Similar feedback to Options 1,2 & 4 regarding Dunnville and the river.

Principle	Does the Current Ward Structure Meet the Respective Principle?	Comment
Representation by Population	Yes	All wards fall within the ±25% range of variation with one ward within the optional range (±5%).
Protection of Communities of Interest	Largely Successful	All six wards include coherent communities of interest with Caledonia being represented by two wards. Rural configuration is different than presented in Preliminary Options 1, 2 and 4.
Consideration of Present and Future Population Trends	Largely Successful	Five of the six wards fall within the ±25% range of variation while growth in Caledonia result in Ward 6 falling above the 25% variance.
Consideration of Natural and Physical Boundaries	Largely Successful	Most boundaries are regular and/or visible lines.
Effective Representation	Largely Successful	Future population imbalances hinder the achievement of complete effective representation.

Haldimand County

For Consideration

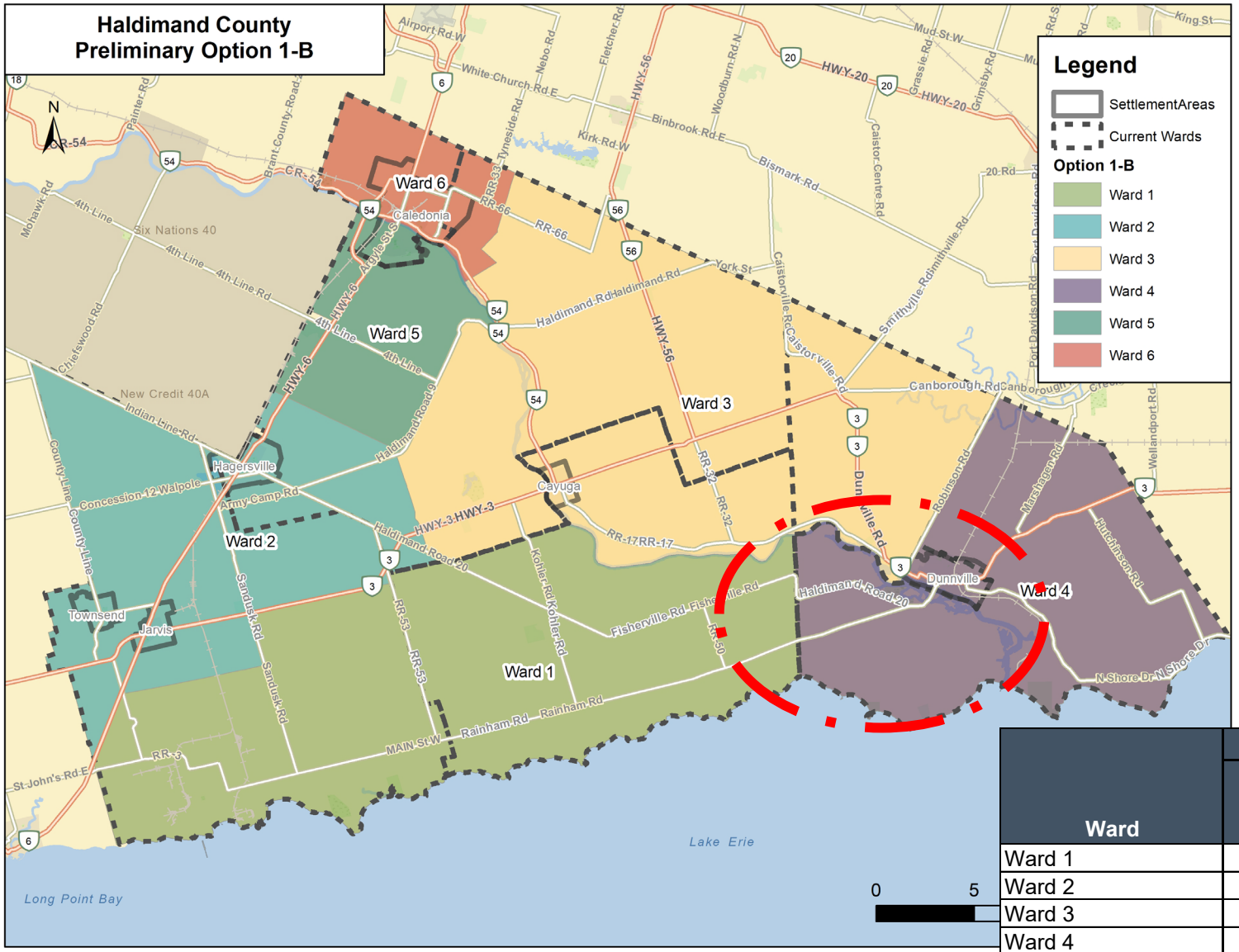
How should the lakeshore be distributed?



<u>If Considered too big</u>:

- Add eastern area to Dunnville?

- Add in western area to Hagersville/Jarvis/Townsend



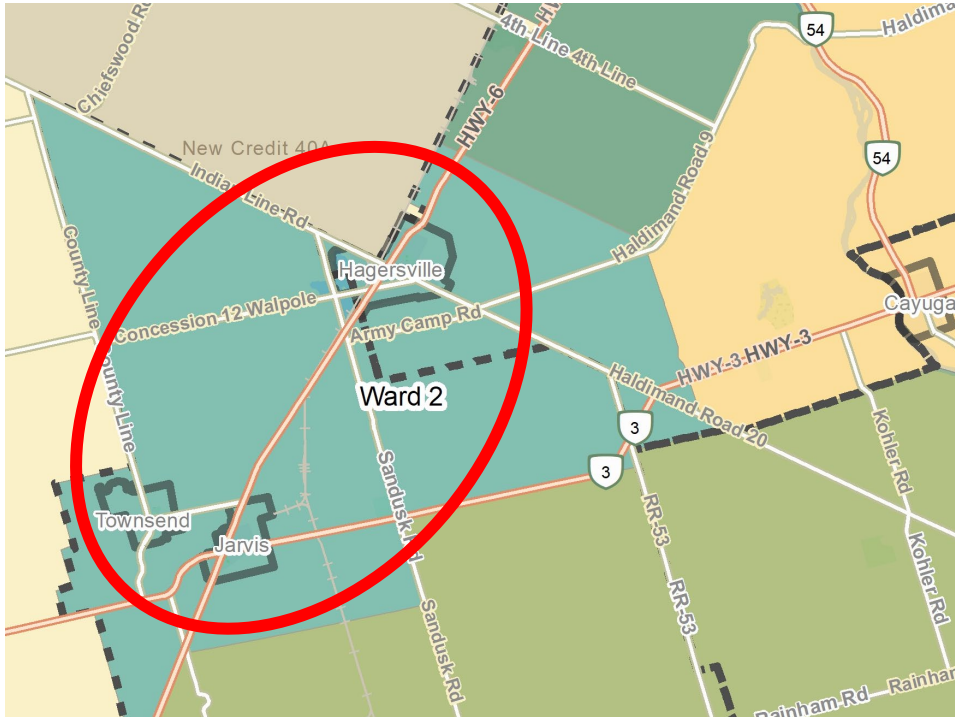
Adjusted Options For Discussion

Option 1-B

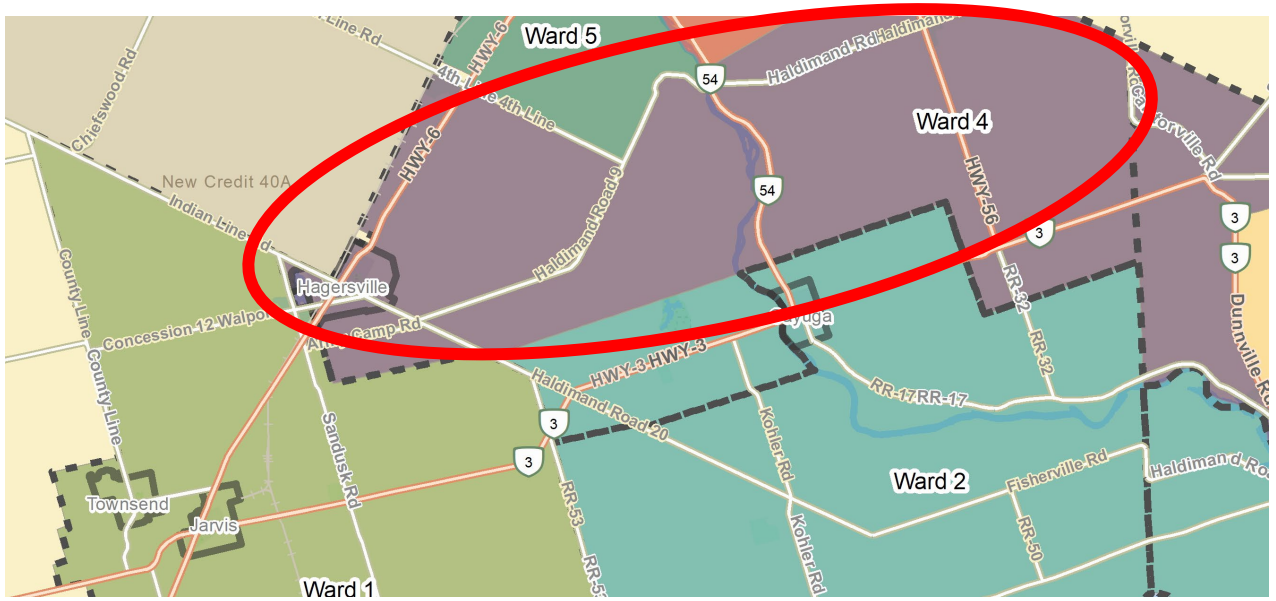
- Adjustment made between Wards 1 and 4 (wards 2, 3, 5, 6 same as Option 1)
- Ward 4 outside of acceptable population range in 2024 (+35%) but comes into parity.
- Ward 1 falls outside of acceptable 25% population range in longer term.

Ward	2024			2034		
	Total Population	Population Variance	Optimal Range	Total Population	Population Variance	Optimal Range
Ward 1	7,058	0.79	O-	7,040	0.63	OR-
Ward 2	8,986	1.00	O	11,935	1.07	O+
Ward 3	8,061	0.90	O-	8,741	0.79	O-
Ward 4	12,148	1.35	OR+	13,533	1.22	O+
Ward 5	8,466	0.94	O-	10,154	0.91	O-
Ward 6	9,209	1.02	O	15,231	1.37	OR+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

What areas are connected to Hagersville?



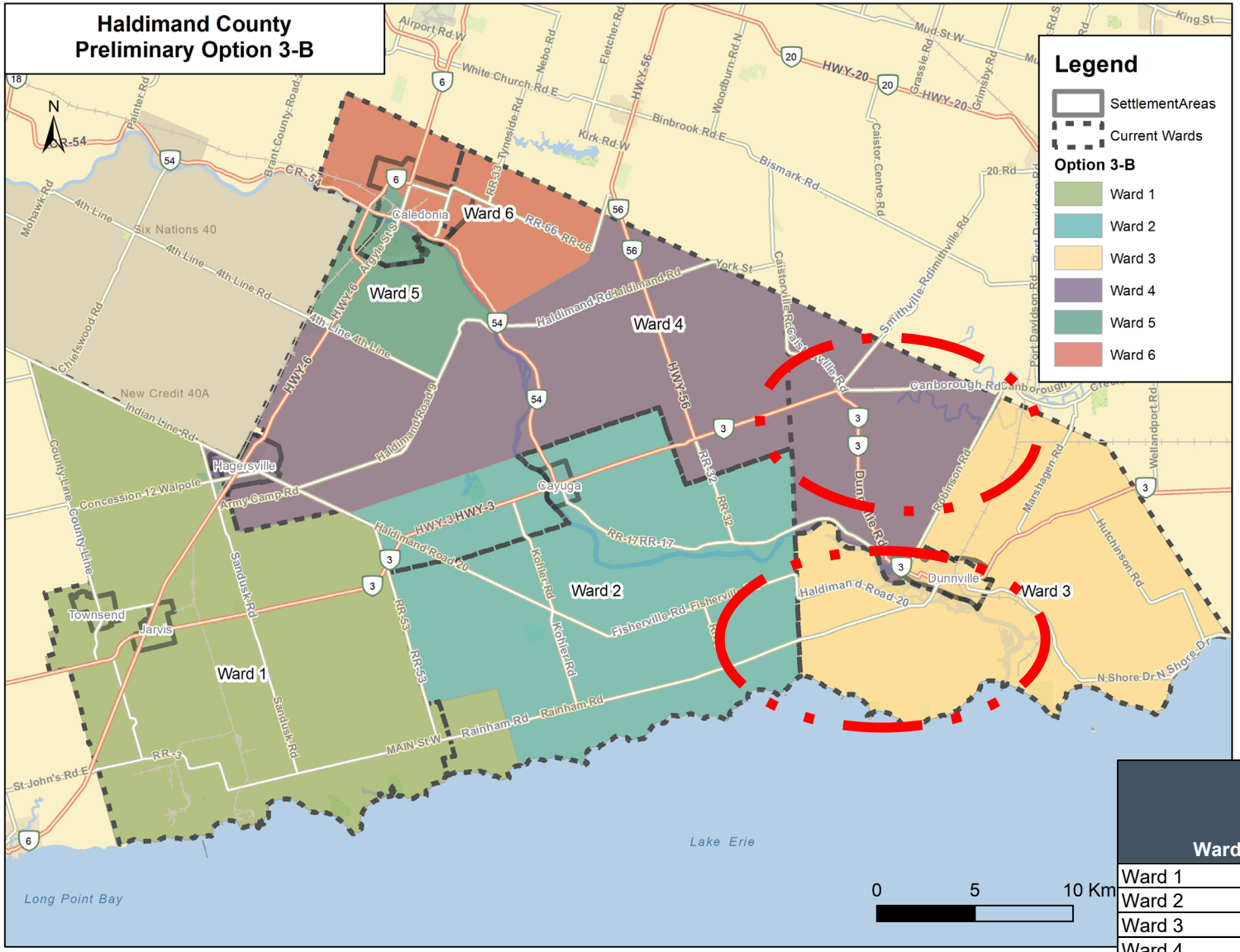
vs



Options 1, 2, 4 = large lakeshore ward

Option 3 = large ward 4

It is practically impossible to attach Hagersville to other ward configurations due to its population concentration



Adjusted Options For Discussion

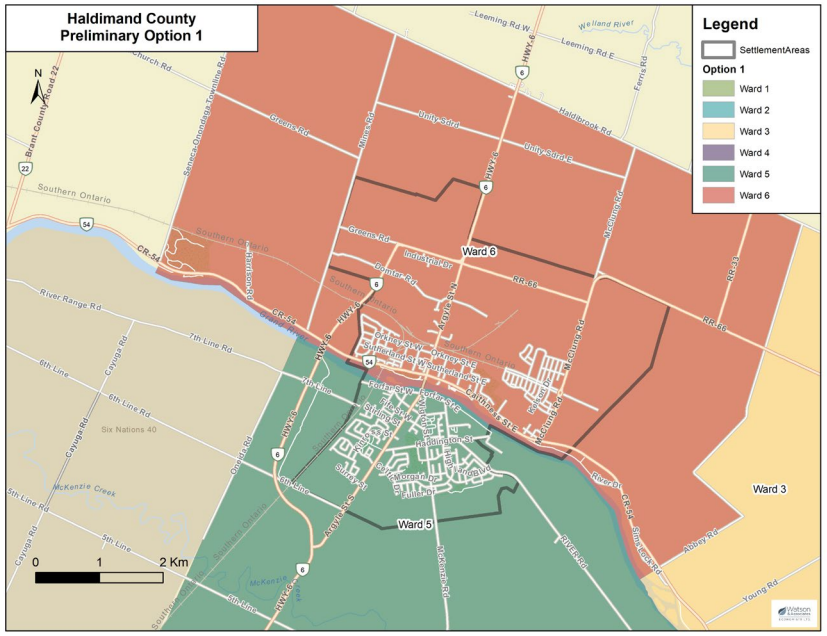
Option 3-B

- Adjustment made between Wards 2, 3 and 4 (wards 1, 5, 6 same as Option 3);
- Ward 4 becomes larger;
- Ward 3 outside of acceptable population range in 2024 (+35%) but comes into parity;
- Ward 2/6 fall *slightly* outside of the acceptable 25% population range in longer term.

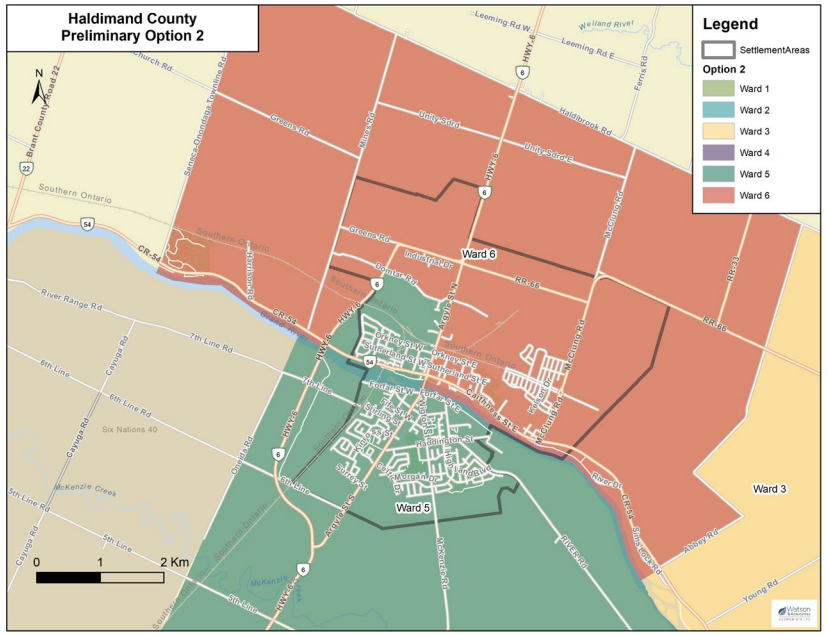
Ward	2024			2034		
	Total Population	Population Variance	Optimal Range	Total Population	Population Variance	Optimal Range
Ward 1	8,420	0.94	O-	8,661	0.78	O-
Ward 2	7,484	0.83	O-	8,165	0.74	OR-
Ward 3	12,148	1.35	OR+	13,533	1.22	O+
Ward 4	8,196	0.91	O-	10,886	0.98	O
Ward 5	9,719	1.08	O+	11,429	1.03	O
Ward 6	7,960	0.89	O-	13,960	1.26	OR+
Total/Average	**53,927**	**8,988**		**66,634**	**11,106**	

How should the proposed Caledonia wards be configured?

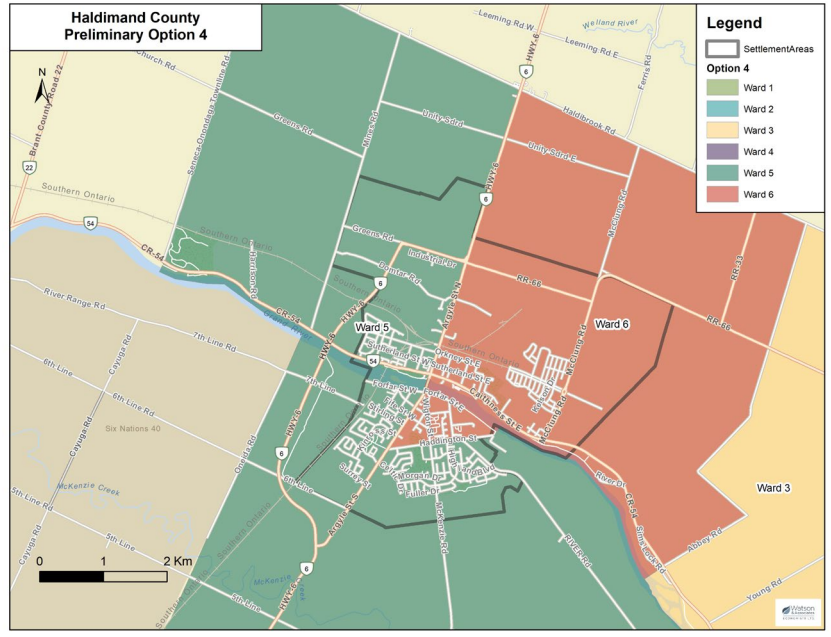
Option 1: River Split (Good population parity in 2024 but not in future)



Option 2: Better Pop. Parity (In 2024 and longer term)



Option 3: Best Pop. Parity (In 2024 and longer term)



Questions?