

Ontario Municipal Partnership Fund 2021 Northern and Rural Municipal Fiscal Circumstances Index (MFCI) Workbook

**Ministry of Finance
Provincial-Local Finance Division**



Municipality of East Ferris

November 2020

OMPF 2021 Northern and Rural MFCI Workbook

Northern and Rural Municipal Fiscal Circumstances Index (MFCI)

Overview

Table 1 - Summary of Northern and Rural MFCI Indicator Scores

Calculation of Indicator Scores

Table 2a - Weighted Assessment per Household

Table 2b - Median Household Income

Table 2c - Average Annual Change in Assessment (New Construction)

Table 2d - Employment Rate

Table 2e - Ratio of Working Age to Dependent Population

Table 2f - Per Cent of Population Above Low-Income Threshold

Calculation of Average Indicator Score and MFCI

Table 3a - Average Indicator Score

Table 3b - Determination of Northern and Rural MFCI

Appendix

Table 4 - Data Sources

Please Note: Due to rounding, some calculations may vary from the result shown. If there are any questions regarding calculations, please contact info.ompf@ontario.ca.

OMPF 2021 Northern and Rural MFCI Workbook

Municipality of East Ferris Single Tier

4834

Overview

Table 1 - Summary of Northern and Rural MFCI Indicator Scores

A Northern and Rural Municipal Fiscal Circumstances Index (MFCI)	1.6
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	Municipality of East Ferris	Median	Indicator Score
B Primary Indicator Scores			
1. Weighted Assessment per Household	\$303,899	\$287,000	3.2%
2. Median Household Income	\$92,199	\$69,000	46.4%

C Secondary Indicator Scores			
3. Average Annual Change in Assessment (New Construction)	1.6%	1.1%	15.6%
4. Employment Rate	61.6%	56.0%	29.5%
5. Ratio of Working Age to Dependent Population	197.1%	170.0%	20.8%
6. Per Cent of Population Above Low-Income Threshold	91.5%	86.0%	55.0%

Notes and Data Sources

Notes

- The Northern and Rural Municipal Fiscal Circumstances Index (MFCI) measures a municipality's fiscal circumstances relative to other northern and rural municipalities in the province and is measured on a scale from 0 to 10.
- A lower MFCI corresponds to relatively positive fiscal circumstances, whereas a higher MFCI corresponds to more challenging fiscal circumstances.
- The MFCI is determined based on six indicators that are classified as either primary or secondary, to reflect their relative importance in determining a municipality's fiscal circumstances.
- The indicator score has a range from -100% to 100% and reflects how a municipality's indicator value compares to the median for northern and rural municipalities. An indicator value that is above the median will have a positive indicator score, which corresponds to relatively positive fiscal circumstances. An indicator value that is below the median will have a negative indicator score, which corresponds to relatively challenging fiscal circumstances.
- For further information on the calculation of each of the indicator scores, see Tables 2a to 2f.

OMPF 2021 Northern and Rural MFCI Workbook

Municipality of East Ferris Single Tier

4834

Calculation of Indicator Scores

Table 2a - Weighted Assessment per Household

Indicator Value for Municipality of East Ferris

A	Weighted Assessment per Household (A1 ÷ A2)	\$303,899
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1. Total Weighted Assessment	\$660,677,815
2. Households	2,174

Northern and Rural Municipalities: Median, Lowest, Highest Value

B	Lowest Value	\$47,000
C	Median Value	\$287,000
D	Highest Value	\$808,000

Calculation of Indicator Score

E	Difference between Indicator Value and Median (A - C)	\$16,899
F	Difference between Highest Value and Median (D - C) (see note)	\$521,000

G	Weighted Assessment per Household Indicator Score (E ÷ F)	3.2%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Weighted Assessment is based on the final 2019 Market Change Profile (MCP), 2020 phased-in assessment values and 2021 starting tax ratios.
- For further details on the determination of Weighted Assessment per Household, see the OMPF 2021 Workbook, Section II, Table 2a-2c.
- Household figures based on the 2020 returned roll from the Municipal Property Assessment Corporation (MPAC).

Municipality of East Ferris

4834

Single Tier

Calculation of Indicator Scores

Table 2b - Median Household Income

Indicator Value for Municipality of East Ferris

A	Median Household Income	\$92,199
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Northern and Rural Municipalities: Median, Lowest, Highest Value

B	Lowest Value	\$40,000
C	Median Value	\$69,000
D	Highest Value	\$119,000

Calculation of Indicator Score

E	Difference between Indicator Value and Median (A - C)	\$23,199
F	Difference between Highest Value and Median (D - C) (see note)	\$50,000

G	Median Household Income Indicator Score (E ÷ F)	46.4%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Median Household Income refers to Statistics Canada's measure of median total income for all private households in 2015.

Municipality of East Ferris

4834

Single Tier

Calculation of Indicator Scores

Table 2c - Average Annual Change in Assessment (New Construction)

Indicator Value for Municipality of East Ferris

A Average Annual Change in Assessment (New Construction)	1.6%
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Northern and Rural Municipalities: Median, Lowest, Highest Value

B Lowest Value	-2.0%
C Median Value	1.1%
D Highest Value	4.3%

Calculation of Indicator Score

E Difference between Indicator Value and Median (A - C)	0.5%
F Difference between Highest Value and Median (D - C) (see note)	3.2%

G Average Annual Change in Assessment (New Construction) Indicator Score (E ÷ F)	15.6%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Average Annual Change in Assessment (New Construction), provided by the Online Property Tax Analysis system (OPTA), measures the five-year (2015 - 2020) average annual change in a municipality's weighted assessment, for example, as a result of new construction or business property closures, excluding the impact of reassessment.

Municipality of East Ferris

4834

Single Tier

Calculation of Indicator Scores

Table 2d - Employment Rate

Indicator Value for Municipality of East Ferris

A	Employment Rate	61.6%
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Northern and Rural Municipalities: Median, Lowest, Highest Value

B	Lowest Value	30.0%
C	Median Value	56.0%
D	Highest Value	75.0%

Calculation of Indicator Score

E	Difference between Indicator Value and Median (A - C)	5.6%
F	Difference between Highest Value and Median (D - C) (see note)	19.0%

G	Employment Rate Indicator Score (E ÷ F)	29.5%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Employment Rate refers to Statistics Canada's measure of number of employed persons, divided by persons aged 15 and over in 2016.

Municipality of East Ferris

4834

Single Tier

Calculation of Indicator Scores

Table 2e - Ratio of Working Age to Dependent Population

Indicator Value for Municipality of East Ferris

A	Ratio of Working Age to Dependent Population ($A1 \div A2$)	197.1%
	1. Working Age Population	3,155
	2. Dependent Population	1,600

Northern and Rural Municipalities: Median, Lowest, Highest Value

B	Lowest Value	107.0%
C	Median Value	170.0%
D	Highest Value	300.0%

Calculation of Indicator Score

E	Difference between Indicator Value and Median ($A - C$)	27.1%
F	Difference between Highest Value and Median ($D - C$) (see note)	130.0%

G	Ratio of Working Age to Dependent Population Indicator Score ($E \div F$)	20.8%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Ratio of Working Age to Dependent Population refers to Statistics Canada's measure of working age population (aged 15 to 64), divided by youth (aged 14 and under) and senior population (aged 65 and over) in 2016.

Municipality of East Ferris

4834

Single Tier

Calculation of Indicator Scores

Table 2f - Per Cent of Population Above Low-Income Threshold

Indicator Value for Municipality of East Ferris

A	Per Cent of Population Above Low-Income Threshold	91.5%
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Northern and Rural Municipalities: Median, Lowest, Highest Value

B	Lowest Value	66.0%
C	Median Value	86.0%
D	Highest Value	96.0%

Calculation of Indicator Score

E	Difference between Indicator Value and Median (A - C)	5.5%
F	Difference between Highest Value and Median (D - C) (see note)	10.0%

G	Per Cent of Population Above Low-Income Threshold Indicator Score (E ÷ F)	55.0%
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Notes and Data Sources

Notes

- Line F: When the indicator value is above the median for northern and rural municipalities, the difference between the median and the highest value for northern and rural municipalities is calculated.

Data Sources

- Per Cent of Population Above Low-Income Threshold refers to Statistics Canada's measure of the percentage of the population in private households above the low-income threshold, after tax, for Ontario in 2015.

Municipality of East Ferris

4834

Single Tier

Calculation of Average Indicator Score and MFCI

Table 3a - Average Indicator Score

A	Primary Indicator Average $((A1 + A2) \div 2)$	24.8%
	1. Weighted Assessment per Household Indicator Score	3.2%
	2. Median Household Income Indicator Score	46.4%
B	Secondary Indicator Average $((B3 + B4 + B5 + B6) \div 4)$	30.2%
	3. Average Annual Change in Assessment (New Construction) Indicator Score	15.6%
	4. Employment Rate Indicator Score	29.5%
	5. Ratio of Working Age to Dependent Population Indicator Score	20.8%
	6. Per Cent of Population Above Low-Income Threshold Indicator Score	55.0%
C	Average Indicator Score $((A + B) \div 2)$	27.5%

Notes and Data Sources

Notes

- A municipality's average indicator score is based on both the primary and secondary indicator averages.

Municipality of East Ferris
Single Tier

4834

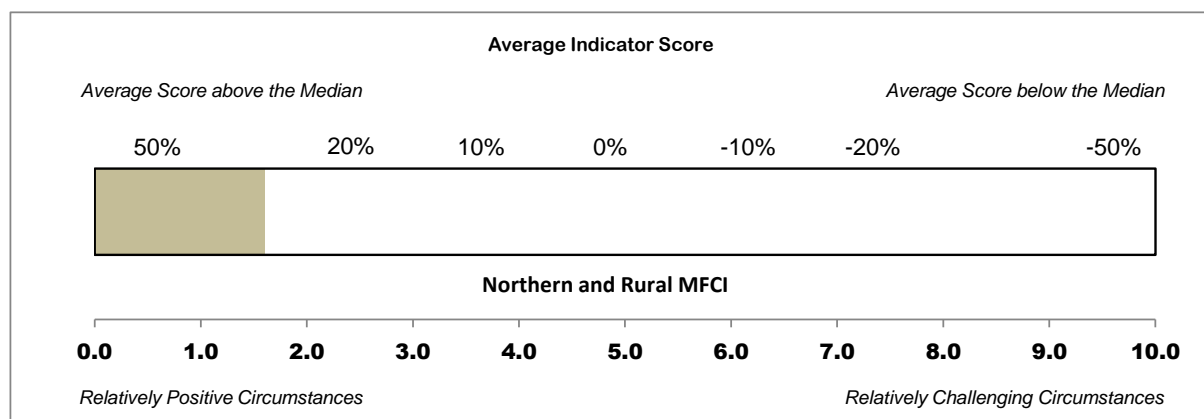
Calculation of Average Indicator Score and MFCI

Table 3b - Determination of Northern and Rural MFCI

A Northern and Rural Municipal Fiscal Circumstances Index ($A2 \div A3 \times 10$)

1.6

1. Average Indicator Score	27.5%
2. Municipal Rank	56
3. Count of Northern and Rural Municipalities	348



Notes and Data Sources

Notes

- The Northern and Rural MFCI is measured on a scale from 0 to 10 and reflects the relative results of each municipality's average indicator score. Municipalities with fiscal circumstances similar to the median for northern and rural municipalities have an MFCI close to 5 and a municipal rank (Line A2) of approximately 174. A lower MFCI (and a lower rank) corresponds to relatively positive fiscal circumstances, while a higher MFCI (and a higher rank) indicates more challenging fiscal circumstances.
- Your municipality has an average indicator score of 27.5%, which results in a municipal rank of 56 out of 348 municipalities. This score is in the 16th percentile, which yields an MFCI of 1.6.
- Line A3: Represents the count of northern and rural lower- and single-tier municipalities used to calculate the MFCI.

Municipality of East Ferris
 Single Tier

4834

Appendix
Table 4 - Data Sources

	Municipality of East Ferris	Source
Primary Indicators		
1. Weighted Assessment per Household	\$303,899	<i>Municipal Property Assessment Corporation (MPAC) and municipal tax rate bylaws</i>
2. Median Household Income	\$92,199	<i>Statistics Canada</i>
Secondary Indicators		
3. Average Annual Change in Assessment (New Construction)	1.6%	<i>Online Property Tax Analysis (OPTA) system</i>
4. Employment Rate	61.6%	<i>Statistics Canada</i>
5. Ratio of Working Age to Dependent Population	197.1%	<i>Statistics Canada</i>
6. Per Cent of Population Above Low-Income Threshold	91.5%	<i>Statistics Canada</i>

Notes and Data Sources
Notes

- For further information on MFCI data elements, see the 2021 OMPF Technical Guide.