



# AGGREGATE RESOURCES STATISTICS IN ONTARIO

## PRODUCTION STATISTICS 2018

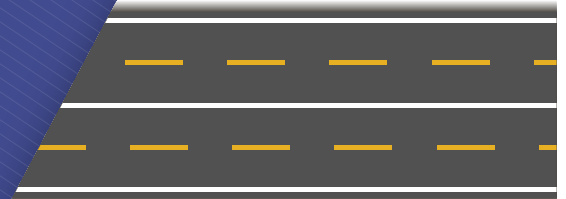
### DID YOU KNOW?

# 1,760

TRUCKLOADS



# 1KM



1 km of 4-lane highway

# 3,760

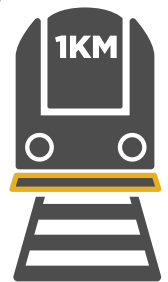
TRUCKLOADS



A 32,000m<sup>2</sup> hospital

# 4,560

TRUCKLOADS



1 km of subway line

# 14 TONNES



Every Ontarian uses  
14 TONNES of stone,  
sand and gravel each year.

# **AGGREGATE RESOURCES STATISTICS IN ONTARIO**

## **PRODUCTION STATISTICS**

**2018**

**Prepared by**

**The Ontario Aggregate Resources Corporation**

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## **AGGREGATE RESOURCES STATISTICS IN ONTARIO**

### **Overview**

Aggregate resources are used in the everyday lives of all Ontario residents, and make up an integral part of our roads, sidewalks, sewers, subway tunnels and airports, as well as our homes, offices, hospitals, schools and shopping centres. On average, Ontarians use about 14 tonnes of aggregate per person per year.

The aggregate industry plays a foundational role within the Ontario economy. The economic activity generated by the industry begins with the aggregate production itself but also feeds industries which receive and use the raw materials: including cement and concrete products, other aggregate-based products (asphalt, chemical, clay, glass, etc.) and construction.

In 2018, there were 3,622 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,520 aggregate permits on Crown land and 2 wayside permits.

### **Aggregate Production**

Overall production of mineral aggregates in 2018 totaled approximately 161 million tonnes, down 4 million tonnes or -1.8% from the previous year. Production from licenced operations was down 2.9 million tonnes or -1.9% compared to 2017. Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. Wayside permit production remained the same on small volumes (.35 million in 2017 and 2018). Production from aggregate permits on Crown Land decreased (8.3%) from 2017 (6.6 million in 2018 from 7.2 million tonnes in 2017).

Note: Totals and percentage changes are based on rounded numbers from Table 1.

Table 1

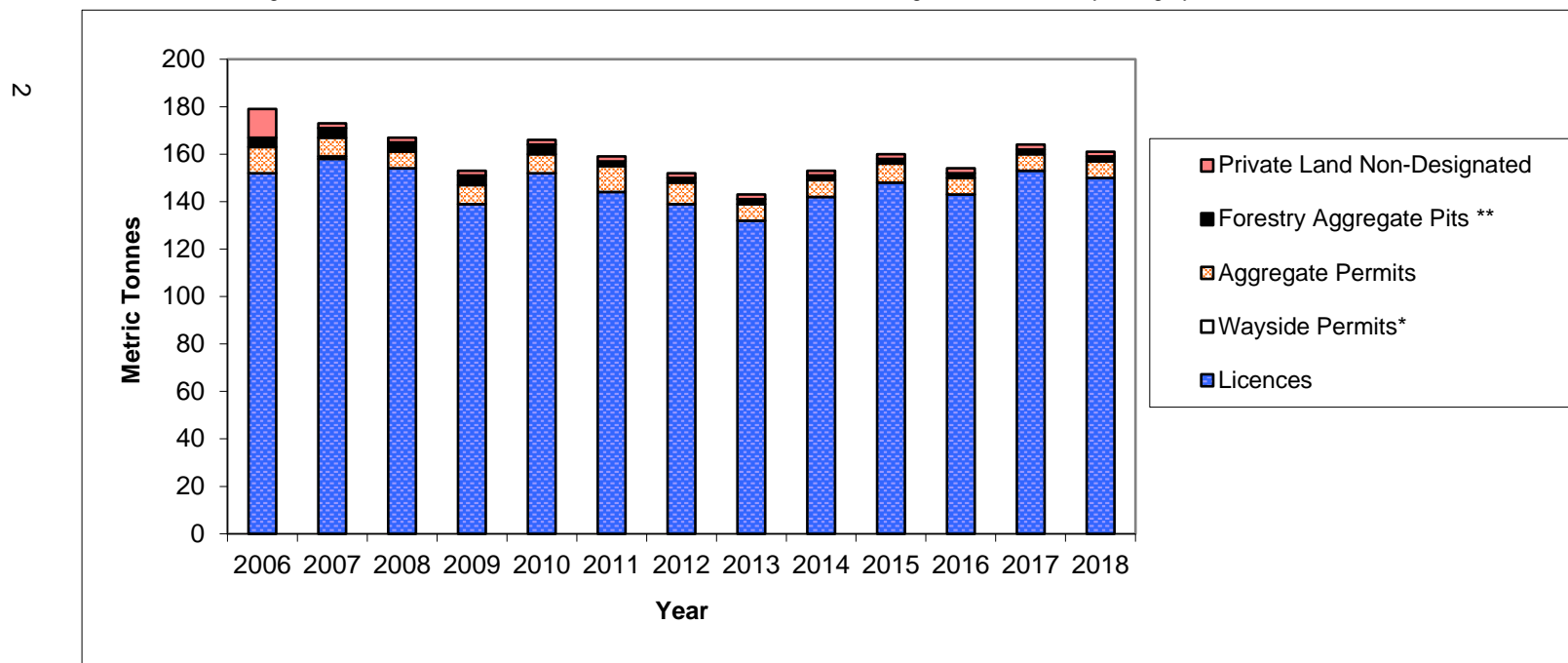
**AGGREGATE PRODUCTION IN ONTARIO - 2006 - 2018**  
(rounded to nearest million tonnes)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Licences</b>	152	158	154	139	152	144	139	132	142	148	143	153	150
<b>Wayside Permits*</b>	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>Aggregate Permits</b>	11	8	7	8	8	11	9	7	7	8	7	7	7
<b>Forestry Aggregate Pits **</b>	4	4	4	4	4	2	2	2	2	2	2	2	2
<b>Private Land Non-Designated (estimated)</b>	12	2	2	2	2	2	2	2	2	2	2	2	2
<b>ONTARIO TOTAL</b>	<b>179</b>	<b>173</b>	<b>167</b>	<b>153</b>	<b>166</b>	<b>159</b>	<b>152</b>	<b>143</b>	<b>153</b>	<b>160</b>	<b>154</b>	<b>164</b>	<b>161</b>

\*Wayside Permit production is reported as the 'total applied for' tonnage of all permits issued, adjusted where actual tonnages for completed contracts are known.

\*Actual production for Wayside Permits was .3 million tonnes for 2006, .1 million tonnes for 2008, .2 million tonnes for 2009

zero tonnes for 2010 through 2014, .15 million tonnes for 2015, .35 million tonnes for 2016 through 2018; \*\* Formerly Category 14



**Production Statistics Report**  
**Table 2 Lower Tier Grouping Guidelines**

The guiding principal is to not disclose the confidential information of a single client's tonnage.

1. There must be a least 3 clients with a minimum of 2 reporting tonnage, each with licenses, in any municipal (lower) tier that appears in the stats report.
2. If the above guideline can't be met then the grouping of lower tiers is required based on the following rules:
  - a. Upper tiers with multiple lower tier groups of 2 or less must be combined for the 3 client minimum lower tier grouping provided there are at least 2 clients reporting tonnage.
  - b. The preferred criteria for determining groups will be based on geographical proximity.
  - c. A single lower tier reporting ZERO tonnage is not reported if it is not required for the above minimum 3 client grouping.
  - d. If geographic proximity can't be resolved then historical (grouping of past stats reports) will determine grouping.

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Algoma District</b>			
Algoma District, Unorganized	208,761.38		208,761.38
Blind River, Town of	50,855.00		50,855.00
Bruce Mines, Town of/Plummer Additional Tp	1,315,853.60		1,315,853.60
Elliot Lake, City of/Spanish, Town of/The North Shore, Tp	17,359.85		17,359.85
Hilton Tp	33,374.82		33,374.82
Huron Shores, Municipality of	796,250.44		796,250.44
Jocelyn Tp	34,616.00		34,616.00
Johnson Tp/Tarbutt & Tarbutt Add'l Tp/St. Joseph Tp	21,539.60		21,539.60
Laird Tp/St. Joseph Tp	5,777.00		5,777.00
Macdonald, Meredith & Aberdeen Add'l Tp	2,937.00		2,937.00
Sault Ste. Marie, City of/Prince Tp	471,923.39		471,923.39
<b>Sub-Total</b>	<b>2,959,248.08</b>	<b>0.00</b>	<b>2,959,248.08</b>
<b>Brant</b>			
Brant, County of/Brantford, City of	2,630,892.38		2,630,892.38
<b>Sub-Total</b>	<b>2,630,892.38</b>	<b>0.00</b>	<b>2,630,892.38</b>
<b>Bruce</b>			
Arran-Elderslie, Municipality of	303,800.53		303,800.53
Brockton, Municipality of	38,160.36		38,160.36
Huron-Kinloss Tp	454,206.98		454,206.98
Kincardine, Municipality of	79,231.82		79,231.82
Northern Bruce Peninsula, Municipality of	165,161.23		165,161.23
Saugeen Shores, Town of	225,874.13		225,874.13
South Bruce Peninsula, Town of	227,622.56		227,622.56
South Bruce, Municipality of	321,622.13		321,622.13
<b>Sub-Total</b>	<b>1,815,679.74</b>	<b>0.00</b>	<b>1,815,679.74</b>
<b>Chatham-Kent</b>			
Chatham-Kent, Municipality of	227,678.70		227,678.70
<b>Sub-Total</b>	<b>227,678.70</b>	<b>0.00</b>	<b>227,678.70</b>
<b>Dufferin</b>			
Amaranth Tp/East Luther Grand Valley Tp	55,298.80		55,298.80
East Garafraxa Tp	895,523.30		895,523.30
Melancthon Tp	673,414.11		673,414.11
Mono Tp	75,949.01		75,949.01
Mulmur Tp	103,434.42		103,434.42
<b>Sub-Total</b>	<b>1,803,619.64</b>	<b>0.00</b>	<b>1,803,619.64</b>
<b>Durham</b>			
Brock Tp	1,466,133.18		1,466,133.18
Clarington, Municipality of	4,446,242.43		4,446,242.43
Oshawa, City of/Scugog Tp	146,712.81		146,712.81
Uxbridge Tp	3,338,791.12		3,338,791.12
<b>Sub-Total</b>	<b>9,397,879.54</b>	<b>0.00</b>	<b>9,397,879.54</b>
<b>Elgin</b>			
Bayham/West Elgin, Municipality of/Malahide Tp	251,689.59		251,689.59
Central Elgin, Municipality of	243,336.92		243,336.92
<b>Sub-Total</b>	<b>495,026.51</b>	<b>0.00</b>	<b>495,026.51</b>



Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Essex</b>			
Amherstburg, Town of/Leamington, Municipality of/Pelee Tp	2,087,544.00		2,087,544.00
Kingsville, Town of	466,607.00		466,607.00
<b>Sub-Total</b>	<b>2,554,151.00</b>	<b>0.00</b>	<b>2,554,151.00</b>
<b>Frontenac</b>			
Central Frontenac Tp	85,865.72		85,865.72
Frontenac Islands Tp	58,749.89		58,749.89
Kingston, City of	1,326,552.63		1,326,552.63
North Frontenac Tp	165,053.51		165,053.51
South Frontenac Tp	403,636.08		403,636.08
<b>Sub-Total</b>	<b>2,039,857.83</b>	<b>0.00</b>	<b>2,039,857.83</b>
<b>Greater Sudbury</b>			
Greater Sudbury, City of	2,110,153.10		2,110,153.10
<b>Sub-Total</b>	<b>2,110,153.10</b>	<b>0.00</b>	<b>2,110,153.10</b>
<b>Grey</b>			
Chatsworth Tp	399,917.56		399,917.56
Georgian Bluffs, Tp	548,068.35		548,068.35
Grey Highlands, Municipality of	1,113,071.18		1,113,071.18
Meaford, Municipality of	498,317.29		498,317.29
Southgate Tp	366,644.11		366,644.11
The Blue Mountains, Town of	344,910.24		344,910.24
West Grey, Municipality of	1,006,050.13		1,006,050.13
<b>Sub-Total</b>	<b>4,276,978.86</b>	<b>0.00</b>	<b>4,276,978.86</b>
<b>Haldimand</b>			
Haldimand, County of	1,100,585.13		1,100,585.13
<b>Sub-Total</b>	<b>1,100,585.13</b>	<b>0.00</b>	<b>1,100,585.13</b>
<b>Haliburton</b>			
Algonquin Highlands, Tp	112,644.65		112,644.65
Dysart et al, Tp	209,689.94		209,689.94
Highlands East, Tp	18,497.51		18,497.51
Minden Hills, TP	128,853.60		128,853.60
<b>Sub-Total</b>	<b>469,685.70</b>	<b>0.00</b>	<b>469,685.70</b>
<b>Halton</b>			
Burlington, City of/Halton Hills, Town of	5,185,364.08		5,185,364.08
Milton, Town of	244,429.00		244,429.00
<b>Sub-Total</b>	<b>5,429,793.08</b>	<b>0.00</b>	<b>5,429,793.08</b>
<b>Hamilton</b>			
Hamilton, City of	5,979,281.21		5,979,281.21
<b>Sub-Total</b>	<b>5,979,281.21</b>	<b>0.00</b>	<b>5,979,281.21</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	(Reported in Metric Tonnes)	Licences	Wayside Permits	Total
<b>Hastings</b>				
Bancroft, Town of		40,030.38		40,030.38
Belleville, City of		656,346.19		656,346.19
Carlo/Mayo Tp		6,020.96		6,020.96
Centre Hastings, Municipality of		253,585.44		253,585.44
Faraday Tp		22,768.92		22,768.92
Hasting Highlands, Municipality of		324,532.06		324,532.06
Limerick Tp		32,482.26		32,482.26
Madoc Tp		659,406.90		659,406.90
Marmora & Lake, Municipality of/Sterling-Rawdon Tp		25,246.47		25,246.47
Quinte West, City of		434,247.74		434,247.74
Tweed, Municipality of		39,956.40		39,956.40
Tyendinaga Tp		306,919.30		306,919.30
Wollaston Tp		23,867.72		23,867.72
<b>Sub-Total</b>		<b>2,825,410.74</b>	<b>0.00</b>	<b>2,825,410.74</b>
<b>Huron</b>				
Ashfield-Colborne-Wawanosh Tp		1,316,534.02		1,316,534.02
Bluewater, Municipality of		17,977.22		17,977.22
Central Huron, Municipality of		418,273.57	200,000.00	618,273.57
Howick Tp		595,222.86		595,222.86
Huron East, Municipality of		888,810.58		888,810.58
Morris-Turnberry, Municipality of		180,775.35		180,775.35
North Huron Tp		119,094.48		119,094.48
South Huron, Municipality of		92,584.08		92,584.08
<b>Sub-Total</b>		<b>3,629,272.16</b>	<b>200,000.00</b>	<b>3,829,272.16</b>
<b>Kawartha Lakes</b>				
Kawartha Lakes, City of		7,188,988.80		7,188,988.80
<b>Sub-Total</b>		<b>7,188,988.80</b>	<b>0.00</b>	<b>7,188,988.80</b>
<b>Lambton</b>				
Lambton Shores, Municipality of		265,874.72		265,874.72
Warwick Tp/Plympton-Wyoming, Town of		325,951.66		325,951.66
<b>Sub-Total</b>		<b>591,826.38</b>	<b>0.00</b>	<b>591,826.38</b>
<b>Lanark</b>				
Beckwith Tp/Drummond-North Elmsley Tp		231,048.20		231,048.20
Lanark Highlands Tp		1,290,001.23		1,290,001.23
Mississippi Mills, Town of		349,296.57		349,296.57
Montague Tp		294,140.16		294,140.16
Tay Valley Tp		8,374.24		8,374.24
<b>Sub-Total</b>		<b>2,172,860.40</b>	<b>0.00</b>	<b>2,172,860.40</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b><i>Leeds &amp; Grenville</i></b>			
Athens Tp/Front of Yonge Tp/Leeds and Thousand Islands Tp	215,578.65		215,578.65
Augusta Tp	51,584.10		51,584.10
Edwardsburgh-Cardinal Tp	113,104.29		113,104.29
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of	309,871.59		309,871.59
Leeds and Thousand Islands Tp	426,106.15		426,106.15
North Grenville Tp	863,172.50		863,172.50
Rideau Lakes Tp	98,884.19		98,884.19
<b>Sub-Total</b>	<b>2,078,301.47</b>	<b>0.00</b>	<b>2,078,301.47</b>
<b><i>Lennox &amp; Addington</i></b>			
Addington Highlands Tp	14,579.79		14,579.79
Greater Napanee, Town of	380,730.21		380,730.21
Loyalist Tp	1,889,698.29		1,889,698.29
Stone Mills Tp	99,719.34		99,719.34
<b>Sub-Total</b>	<b>2,384,727.63</b>	<b>0.00</b>	<b>2,384,727.63</b>
<b><i>Manitoulin District</i></b>			
Assignack, Tp/Billings Tp	17,088.93		17,088.93
Central Manitoulin Tp	85,151.46		85,151.46
Gordon/Barrie Island/Burpee & Mills, Tp/Cockburn Island, Tp	3,142,897.82		3,142,897.82
Northeastern Manitoulin & The Islands	28,794.30		28,794.30
Tehkummah, Tp	152,293.32		152,293.32
Unorganized - Manitoulin D	44,349.84		44,349.84
<b>Sub-Total</b>	<b>3,470,575.67</b>	<b>0.00</b>	<b>3,470,575.67</b>
<b><i>Middlesex</i></b>			
Adelaide Metcalfe Tp/Strathroy-Caradoc Tp	237,822.00		237,822.00
London, City of	696,434.10		696,434.10
Lucan Biddulph Tp/North Middlesex, Municipality of	29,747.51		29,747.51
Middlesex Centre Tp	154,388.56		154,388.56
Thames Centre, Municipality of	3,533,808.41		3,533,808.41
<b>Sub-Total</b>	<b>4,652,200.58</b>	<b>0.00</b>	<b>4,652,200.58</b>
<b><i>Muskoka</i></b>			
Bracebridge	737,651.12		737,651.12
Georgian Bay, Tp	7,285.89		7,285.89
Gravenhurst	169,877.91		169,877.91
Huntsville	1,033,891.90		1,033,891.90
Lake of Bays, Tp	157,185.73		157,185.73
Muskoka Lakes, Tp	277,691.84		277,691.84
<b>Sub-Total</b>	<b>2,383,584.39</b>	<b>0.00</b>	<b>2,383,584.39</b>
<b><i>Niagara</i></b>			
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp	2,840,994.08		2,840,994.08
Lincoln, Town of/Niagara-on-the-Lake, Town of	1,737,330.62		1,737,330.62
Niagara Falls, City of	593,394.73		593,394.73
<b>Sub-Total</b>	<b>5,171,719.43</b>	<b>0.00</b>	<b>5,171,719.43</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b><i>Nipissing District</i></b>			
Bonfield Tp/Calvin Tp	75,319.45		75,319.45
Calvin Tp/East Ferris, Municipality of	27,936.86		27,936.86
Chisholm Tp	38,149.14		38,149.14
Mattawan Tp/South Algonquin Tp/Unorganized - Nipissing D	13,908.70		13,908.70
North Bay, City of	450,920.58		450,920.58
Papineau-Cameron Tp	31,562.87		31,562.87
West Nipissing, Municipality of	294,101.03		294,101.03
<b>Sub-Total</b>	<b>931,898.63</b>	<b>0.00</b>	<b>931,898.63</b>
<b><i>Norfolk</i></b>			
Norfolk, County of	770,442.44		770,442.44
<b>Sub-Total</b>	<b>770,442.44</b>	<b>0.00</b>	<b>770,442.44</b>
<b><i>Northumberland</i></b>			
Alnwick-Haldimand Tp	384,970.41		384,970.41
Brighton, Municipality of	411,336.16		411,336.16
Cramahe Tp	1,869,901.50		1,869,901.50
Hamilton Tp	158,198.00		158,198.00
Port Hope, Municipality of	80,534.00		80,534.00
Trent Hills, Municipality of	197,413.01		197,413.01
<b>Sub-Total</b>	<b>3,102,353.08</b>	<b>0.00</b>	<b>3,102,353.08</b>
<b><i>Ottawa</i></b>			
Ottawa, City of	10,274,230.21		10,274,230.21
<b>Sub-Total</b>	<b>10,274,230.21</b>	<b>0.00</b>	<b>10,274,230.21</b>
<b><i>Oxford</i></b>			
Blandford-Blenheim Tp	629,690.69		629,690.69
East Zorra-Tavistock Tp/Norwich Tp	282,004.56		282,004.56
South-West Oxford Tp	1,196,855.21		1,196,855.21
Zorra Tp	4,727,409.28		4,727,409.28
<b>Sub-Total</b>	<b>6,835,959.74</b>	<b>0.00</b>	<b>6,835,959.74</b>
<b><i>Parry Sound District</i></b>			
Armour Tp/Burks Falls, Village of	95,335.45		95,335.45
Callander, Municipality of	53,875.00		53,875.00
Carling Tp/The Archipelago Tp	13,162.00		13,162.00
Joly Tp	28,290.47		28,290.47
Kearney, Town of	30,579.16		30,579.16
Macher Tp	29,026.41		29,026.41
Magnetawan, Municipality of	136,070.23		136,070.23
McDougall Tp/Parry Sound, Town of	51,944.42		51,944.42
McKeller Tp	5,536.60		5,536.60
McMurrich-Monteith Tp	13,343.44		13,343.44
Nipissing Tp/Powassan, Municipality of	103,835.20		103,835.20
Perry Tp	35,200.81		35,200.81
Ryerson Tp	59,861.50		59,861.50
Seguin Tp	487,286.22		487,286.22
Strong Tp	7,206.54		7,206.54
Unorganized - Parry Sound	242,760.32		242,760.32
Whitestone The Municipality of	17,854.32		17,854.32
<b>Sub-Total</b>	<b>1,411,168.09</b>	<b>0.00</b>	<b>1,411,168.09</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b><i>Peel</i></b>			
Caledon, Town of	2,569,499.41	150,000.00	2,719,499.41
<b>Sub-Total</b>	<b>2,569,499.41</b>	<b>150,000.00</b>	<b>2,719,499.41</b>
<b><i>Perth</i></b>			
Perth East Tp	553,322.12		553,322.12
Perth South Tp/St. Marys, Separated Town of	1,669,247.23		1,669,247.23
West Perth Tp	295,045.36		295,045.36
<b>Sub-Total</b>	<b>2,517,614.71</b>	<b>0.00</b>	<b>2,517,614.71</b>
<b><i>Peterborough</i></b>			
Asphodel-Norwood Tp	145,387.00		145,387.00
Cavan-Millbrook-North Monaghan Tp/Otonabee-South Monagha	408,323.70		408,323.70
Douro-Dummer Tp	459,783.02		459,783.02
Havelock-Belmont-Methuen Tp/North Kawartha Tp	1,188,391.36		1,188,391.36
Selwyn Tp	314,214.43		314,214.43
Trent Lakes, Municipality of	782,597.29		782,597.29
<b>Sub-Total</b>	<b>3,298,696.80</b>	<b>0.00</b>	<b>3,298,696.80</b>
<b><i>Prescott &amp; Russell</i></b>			
Alfred & Plantagenet Tp	416,744.90		416,744.90
Champlain Tp	404,632.80		404,632.80
Clarence-Rockland, City of	93,865.32		93,865.32
East Hawkesbury Tp	21,874.85		21,874.85
Russell Tp	122,476.40		122,476.40
The Nation, Municipality of	337,121.41		337,121.41
<b>Sub-Total</b>	<b>1,396,715.68</b>	<b>0.00</b>	<b>1,396,715.68</b>
<b><i>Prince Edward Co</i></b>			
Prince Edward, County of	1,402,248.65		1,402,248.65
<b>Sub-Total</b>	<b>1,402,248.65</b>	<b>0.00</b>	<b>1,402,248.65</b>
<b><i>Renfrew</i></b>			
Admaston-Bromley Tp/Renfrew, Town of	181,705.77		181,705.77
Bonnechere Valley Tp	109,508.44		109,508.44
Brudenell, Lyndoc and Raglan Tp	55,227.35		55,227.35
Deep River Tp/Head, Clara & Maria Tp	8,237.00		8,237.00
Greater Madawaska Tp	11,798.00		11,798.00
Horton Tp	391,914.49		391,914.49
Killaloe, Hagarty and Richards Tp	70,739.29		70,739.29
Laurentian Hills	24,729.27		24,729.27
Laurentian Valley Tp	469,750.65		469,750.65
Madawaska Valley	94,247.20		94,247.20
McNab-Braeside Tp	338,987.57		338,987.57
North Algona-Wilberforce Tp	38,042.80		38,042.80
Petawawa, Town of	141,150.67		141,150.67
Whitewater Region Tp	121,265.00		121,265.00
<b>Sub-Total</b>	<b>2,057,303.50</b>	<b>0.00</b>	<b>2,057,303.50</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b><i>Simcoe</i></b>			
Adjala-Tosorontio Tp/New Tecumseth, Town of	171,464.44		171,464.44
Clearview Tp	1,180,680.34		1,180,680.34
Collingwood, Town of/Essa Tp/Innisfil, Town of	75,995.06		75,995.06
Midland, Town of/Penetanguishine, Town of/	394,741.00		394,741.00
Oro-Medonte Tp	2,250,398.36		2,250,398.36
Ramara Tp	2,725,486.19		2,725,486.19
Severn Tp	3,554,627.44		3,554,627.44
Springwater Tp	1,109,161.34		1,109,161.34
Tay Tp	188,316.00		188,316.00
Tiny Tp	232,326.41		232,326.41
<b>Sub-Total</b>	<b>11,883,196.58</b>	<b>0.00</b>	<b>11,883,196.58</b>
<b><i>Stormont, Dundas &amp; Glengarry</i></b>			
North Dundas Tp	601,017.41		601,017.41
North Glengarry Tp	124,314.94		124,314.94
North Stormont Tp	1,132,454.56		1,132,454.56
South Dundas Tp	78,207.12		78,207.12
South Glengarry Tp	147,407.98		147,407.98
South Stormont Tp	969,169.75		969,169.75
<b>Sub-Total</b>	<b>3,052,571.76</b>	<b>0.00</b>	<b>3,052,571.76</b>
<b><i>Sudbury District</i></b>			
Baldwin Tp	18,808.00		18,808.00
French River, Municipality of	181,349.86		181,349.86
Markstay-Warren, Municipality of	36,594.88		36,594.88
Nairn & Hyman Tp	100,399.00		100,399.00
Sables Spanish Rivers Tp/Espanola, Town of	51,115.62		51,115.62
Sudbury District, Unorganized	386,900.88		386,900.88
<b>Sub-Total</b>	<b>775,168.24</b>	<b>0.00</b>	<b>775,168.24</b>
<b><i>Thunder Bay District</i></b>			
Conmee, Tp	86,445.99		86,445.99
Neebing, Municipality of	7,758.96		7,758.96
Oliver Paipooonge, Municipality of	220,558.29		220,558.29
Shuniah, Tp	206,259.28		206,259.28
Thunder Bay District, Unorganized	952,721.69		952,721.69
<b>Sub-Total</b>	<b>1,473,744.21</b>	<b>0.00</b>	<b>1,473,744.21</b>
<b><i>Waterloo</i></b>			
Cambridge, City of/Kitchener, City of	0.00		0.00
North Dumfries Tp	5,213,536.56		5,213,536.56
Wellesley Tp	1,113,743.13		1,113,743.13
Wilmot Tp	1,356,967.21		1,356,967.21
Woolwich Tp	200,888.38		200,888.38
<b>Sub-Total</b>	<b>7,885,135.28</b>	<b>0.00</b>	<b>7,885,135.28</b>

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION  
BY LOWER TIER MUNICIPALITY**

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Wellington</b>			
Centre Wellington Tp	1,108,700.73		1,108,700.73
Erin, Town of	1,335,327.06		1,335,327.06
Guelph-Eramosa Tp	480,172.93		480,172.93
Mapleton Tp	146,841.49		146,841.49
Minto, Town of	348,819.10		348,819.10
Puslinch Tp	4,185,877.59		4,185,877.59
Wellington North Tp	141,634.43		141,634.43
<b>Sub-Total</b>	<b>7,747,373.33</b>	<b>0.00</b>	<b>7,747,373.33</b>
<b>York</b>			
East Gwillimbury, Town of/Georgina, Town of	70,241.75		70,241.75
Whitchurch-Stouffville, Town of	440,895.97		440,895.97
<b>Sub-Total</b>	<b>511,137.72</b>	<b>0.00</b>	<b>511,137.72</b>
<b>GRAND TOTAL</b>	<b>149,736,436.20</b>	<b>350,000.00</b>	<b>150,086,436.20</b>

Table 3

**LICENCE AND WAYSIDE PRODUCTION  
BY UPPER TIER MUNICIPALITY  
(Million Tonnes)**

Municipality	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Algoma, District of	2.6	2.9	2.9	2.6	2.4	2.7	2.9	2.8	3.1	3.0
Brant Co.	1.4	1.9	1.7	1.7	1.7	1.6	1.9	1.7	2.2	2.6
Bruce Co.	1.7	2.3	1.7	1.5	1.4	1.8	2.0	1.5	1.7	1.8
Chatham-Kent, R. M. of	0.3	0.3	0.4	0.2	0.3	0.2	0.2	0.3	0.3	0.2
Dufferin Co.	2.7	2.7	2.3	2.2	2.3	2.7	2.3	2.2	2.2	1.8
Durham, R. M. of	8.3	9.6	10.2	9.9	10.1	10.3	10.0	9.5	9.3	9.4
Elgin Co.	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.5	0.5
Essex Co.	1.7	2.6	2.0	2.0	2.1	1.6	1.9	1.9	2.3	2.6
Frontenac Co.	2.6	2.4	2.2	2.0	2.0	2.0	1.8	1.6	2.3	2.0
Greater Sudbury, City of	2.1	2.5	3.1	2.7	2.6	2.8	3.1	2.6	2.5	2.1
Grey Co.	2.8	3.5	3.0	2.6	2.8	3.2	4.1	3.8	4.3	4.3
Haldimand Co.	1.1	1.4	1.2	1.3	1.2	1.5	0.8	1.1	1.0	1.1
Haliburton Co.	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.6	0.5
Halton, R. M. of	6.9	7.2	8.7	7.4	6.8	7.7	7.2	6.6	5.6	5.4
Hamilton, City of	4.9	5.3	5.0	5.0	4.9	5.2	5.9	5.9	5.6	6.0
Hastings Co.	3.4	3.5	3.1	2.7	2.5	3.1	2.9	2.8	3.1	2.8
Huron Co.	3.0	2.5	2.8	2.5	2.7	3.7	3.1	3.0	3.2	3.8
Kawartha Lakes, City of	4.5	4.6	4.7	5.1	4.3	5.5	7.0	6.5	6.8	7.2
Lambton Co.	0.5	0.5	0.5	0.4	0.4	0.7	0.6	0.5	0.5	0.6
Lanark Co.	2.5	2.9	1.8	1.5	1.8	1.7	1.9	1.8	2.1	2.2
Leeds & Grenville Co.'s	2.1	2.6	2.0	2.2	1.9	2.2	1.9	2.0	2.2	2.1
Lennox & Addington Co.	2.0	2.4	2.2	2.2	1.8	2.0	2.4	2.0	2.2	2.4
Manitoulin, District of	2.9	3.6	3.2	2.6	2.2	2.8	2.9	3.0	3.0	3.5
Middlesex Co.	4.3	4.8	3.9	3.8	3.6	3.6	3.7	4.0	4.6	4.7
Muskoka	2.3	2.4	2.1	2.0	2.1	2.0	2.3	2.2	2.7	2.4
Niagara, R. M. of	3.9	4.6	3.9	4.7	4.6	4.3	5.0	4.9	4.9	5.2
Nipissing, District of	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.0	0.9	0.9
Norfolk Co.	0.4	0.5	0.5	0.8	1.0	0.8	0.6	0.7	0.6	0.8
Northumberland Co.	2.8	3.2	2.7	3.1	2.6	2.6	3.1	3.4	3.2	3.1
Ottawa, City of	11.0	12.7	10.9	10.6	9.5	10.0	9.7	8.7	9.7	10.3
Oxford Co.	4.9	5.5	5.1	5.5	5.9	6.3	5.9	6.4	7.4	6.8
Parry Sound, District of	2.5	3.4	2.1	1.5	1.2	1.4	1.3	1.5	1.3	1.4
Peel, R. M. of	3.6	3.9	3.6	3.9	3.6	4.0	3.5	2.5	3.0	2.7
Perth Co.	1.9	2.8	2.3	2.3	2.2	2.5	2.6	2.6	2.6	2.5
Peterborough Co.	3.2	3.3	3.2	2.7	2.6	2.7	3.1	3.1	3.8	3.3
Prescott & Russell Co.'s	1.7	1.6	1.6	1.5	1.4	1.5	1.5	1.4	1.5	1.4
Prince Edward Co.	1.6	1.7	1.6	1.6	1.3	1.5	1.3	1.6	1.4	1.4
Renfrew Co.	2.3	2.4	2.2	2.3	1.9	1.9	2.1	1.9	2.3	2.1
Simcoe Co.	10.5	10.3	10.8	10.7	10.1	11.6	13.4	11.4	13.0	11.9
Stormont, Dundas & Glengarry Co.'s	3.4	3.4	4.0	3.6	3.2	2.8	2.5	2.8	3.0	3.1
Sudbury, District of	0.8	0.8	0.9	1.0	0.8	0.9	0.9	0.6	0.6	0.8
Thunder Bay, District of	1.0	0.8	1.1	1.1	0.8	0.9	0.6	1.5	1.4	1.5
Waterloo, R. M. of	7.1	7.5	7.8	7.3	7.0	7.4	8.7	9.0	8.9	7.9
Wellington Co.	6.6	6.8	7.0	7.4	6.6	6.5	7.1	7.1	8.4	7.7
York, R. M. of	0.8	0.7	0.6	0.9	0.7	0.6	1.1	1.3	0.7	0.5
<b>TOTAL</b>	<b>138.9</b>	<b>152.6</b>	<b>144.8</b>	<b>140.6</b>	<b>132.9</b>	<b>142.9</b>	<b>148.8</b>	<b>143.6</b>	<b>152.6</b>	<b>150.1</b>

Note: Totals may not equal due to rounding.



Table 4

**LICENCE PRODUCTION IN 2018  
THE TOP TEN PRODUCING MUNICIPALITIES  
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2018 Production	Production(2)				
			2017	2016	2015	2014	2013
1 City of Ottawa	City of Ottawa	10.3	9.7	8.7	9.7	10.0	9.6
2 City of Kawartha Lakes	City of Kawartha Lakes	7.2	6.8	6.5	7.0	5.5	4.3
3 City of Hamilton	City of Hamilton	6.0	5.6	5.9	5.9	5.2	4.9
4 Township of North Dumfries	Waterloo	5.2	5.6	5.5	5.4	4.2	4.1
5 City of Burlington/ Town Of Halton Hills (3)	Halton	5.2	4.7	5.3	2.4	2.2	2.1
6 Township of Zorra	Oxford	4.7	5.1	4.7	4.1	4.9	4.1
7 Municipality of Clarington	Durham	4.4	4.9	5.5	5.8	5.5	5.3
8 Township of Puslinch	Wellington	4.2	4.6	3.5	3.9	3.5	3.5
9 Severn Township	Simcoe	3.6	4.0	3.5	4.0	3.7	3.0
10 Municipality of Thames Centre	Middlesex	3.5	3.3	2.7	2.2	2.3	2.0
<b>Total</b>		<b>54.3</b>	<b>54.3</b>	<b>51.8</b>	<b>50.4</b>	<b>47.0</b>	<b>42.9</b>

## Notes:

1. Municipalities are ranked in order of their licenced production for 2018.
2. Historical data are for current year's Top Ten Producing Municipalities.
3. City of Burlington/Town Of Halton Hills combined due to lower tier grouping guidelines.

Table 5

**NUMBER AND TYPE OF AGGREGATE LICENCES  
(Reported by MNR District)**

District	No. of Licences	Category		Type of Operation			
		Class A	Class B	Pit	Quarry	Pit & Quarry	Underwater
Aurora (GTA)	128	113	15	110	18	0	0
Aylmer	282	221	61	268	8	6	0
Bancroft	262	100	162	186	35	41	0
Guelph (Cambridge)	447	392	55	405	39	3	0
Kemptville	456	292	164	308	123	25	0
Midhurst	478	371	107	411	62	5	0
North Bay	140	61	79	106	8	26	0
Parry Sound	287	117	170	183	10	94	0
Pembroke	213	76	137	190	12	11	0
Peterborough (Tweed)	508	289	219	407	84	17	0
Sault Ste. Marie	98	56	42	78	7	13	0
Sudbury	223	128	95	156	21	46	0
Thunder Bay	98	53	45	73	8	17	0
Wawa	2	2	0	1	0	1	0
<b>TOTAL</b>	<b>3,622</b>	<b>2,271</b>	<b>1,351</b>	<b>2,882</b>	<b>435</b>	<b>305</b>	<b>0</b>

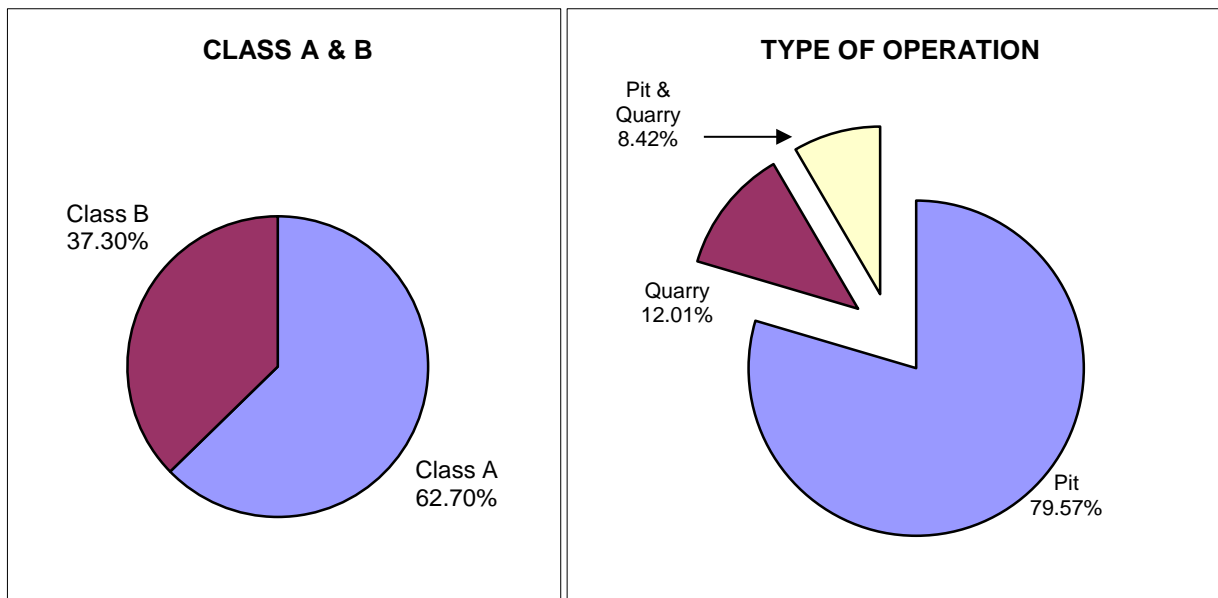


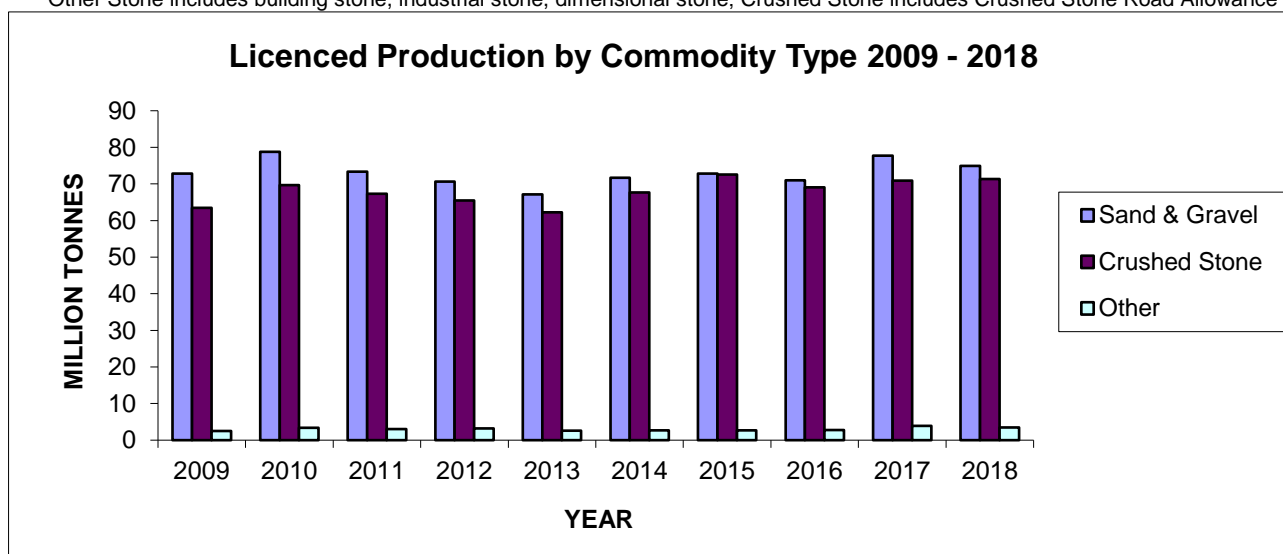
Table 6

**2018 LICENCED AGGREGATE PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	17,907,335.75	8,818,118.67	8,164,695.00	810,959.47	113,562.61
Aylmer	16,127,285.35	11,610,225.64	4,444,344.51	10,002.20	62,713.00
Bancroft	4,792,680.56	807,715.69	3,788,136.06	0.00	196,828.81
Guelph (Cambridge)	36,738,851.14	23,564,773.74	13,078,063.67	91,572.30	4,441.43
Kemptville	18,970,798.83	3,207,204.46	14,069,050.50	2,634.97	1,691,908.90
Midhurst	19,702,497.31	10,455,896.77	9,023,577.78	16,345.86	206,676.90
North Bay	1,143,864.99	697,469.28	402,844.03	0.00	43,551.68
Parry Sound	3,606,965.14	1,497,726.16	2,078,504.46	150.00	30,584.52
Pembroke	2,061,184.19	1,471,975.33	583,649.01	3,192.40	2,367.45
Peterborough	17,905,123.65	7,906,957.38	9,883,921.57	56,572.69	57,672.01
Sault Ste. Marie	2,957,338.08	1,398,850.80	1,558,487.28	0.00	0.00
Sudbury	6,348,767.01	2,144,927.47	4,158,130.92	39,822.00	5,886.62
Thunder Bay	1,473,744.21	1,339,598.21	134,084.74	0.00	61.26
<b>TOTAL</b>	<b>149,736,436.20</b>	<b>74,921,439.59</b>	<b>71,367,489.53</b>	<b>1,031,251.89</b>	<b>2,416,255.19</b>

Note: Totals may not equal due to rounding - Reported in metric tonnes

Other Stone includes building stone, industrial stone, dimensional stone; Crushed Stone includes Crushed Stone Road Allowance



**Yearly Production for Aggregate Licences  
(in Million Tonnes)**

	Total	Sand & Gravel	Crushed Stone	Other
2009	138.84	72.79	63.51	2.54
2010	151.76	78.78	69.64	3.34
2011	143.73	73.36	67.34	3.03
2012	139.30	70.60	65.50	3.20
2013	131.97	67.13	62.23	2.61
2014	142.02	71.68	67.67	2.67
2015	148.06	72.83	72.55	2.68
2016	142.86	71.01	69.10	2.75
2017	152.60	77.76	70.90	3.94
2018	149.74	74.92	71.37	3.45

Table 7

**2018 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

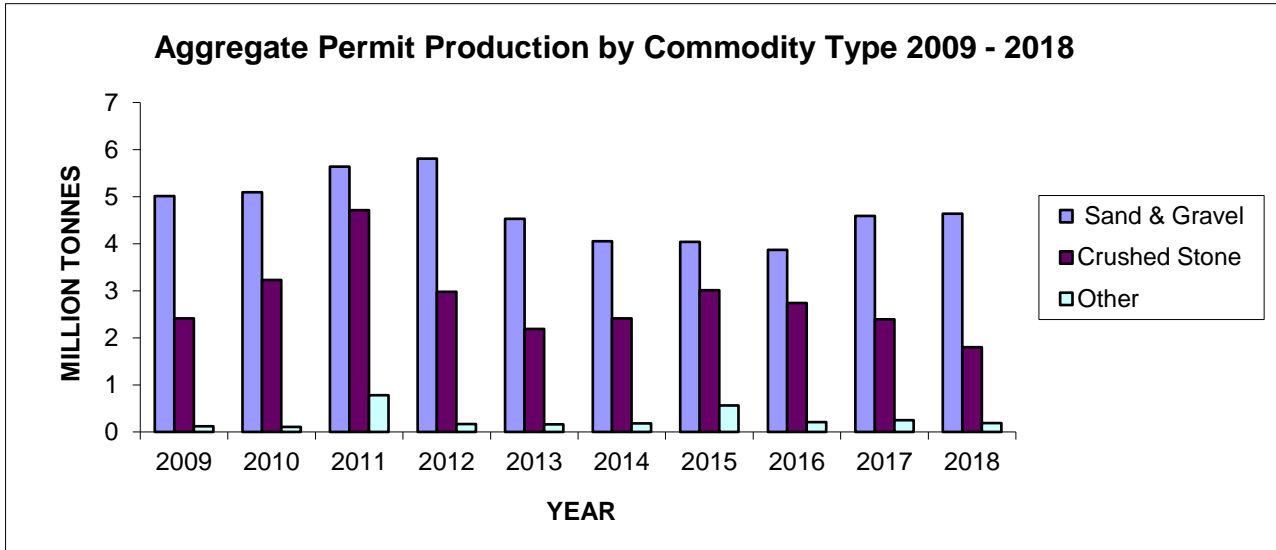
<b>Region/District</b>	<b>Total Production</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/Shale</b>	<b>Other Stone</b>
<b>NORTHEAST</b>					
Chapleau	114,349.91	114,349.91	-	-	-
Cochrane	104,551.80	96,756.80	7,795.00	-	-
Hearst	245,770.49	130,224.56	115,545.93	-	-
Kirkland Lake	186,891.00	186,588.00	303.00	-	-
North Bay	367,937.85	292,436.43	74,552.42	-	949.00
Sault Ste. Marie	95,216.82	92,464.82	-	2,752.00	-
Sudbury	654,882.40	291,592.45	363,173.27	103.08	13.60
Timmins	554,831.43	553,576.43	-	1,255.00	-
Wawa	384,802.01	295,581.01	56,185.00	33,036.00	-
<b>Sub-Total</b>	<b>2,709,233.71</b>	<b>2,053,570.41</b>	<b>617,554.62</b>	<b>37,146.08</b>	<b>962.60</b>
<b>NORTHWEST</b>					
Dryden	628,047.26	371,935.26	253,372.00	-	2,740.00
Fort Frances	920,968.21	873,895.13	44,646.00	-	2,427.08
Kenora	187,470.25	92,244.72	84,621.34	-	10,604.19
Nipigon	665,986.48	399,308.24	265,855.24	-	823.00
Red Lake	232,671.74	223,064.56	9,607.18	-	-
Sioux Lookout	197,627.98	197,337.62	-	-	290.36
Thunder Bay	238,690.54	230,846.69	7,795.00	-	48.85
<b>Sub-Total</b>	<b>3,071,462.46</b>	<b>2,388,632.22</b>	<b>665,896.76</b>	<b>-</b>	<b>16,933.48</b>
<b>SOUTHCENTRAL</b>					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	1,969.38	1,969.38	-	-	-
Bancroft	580,086.14	97,942.59	350,351.50	7,158.00	124,634.05
Guelph (Cambridge)	-	-	-	-	-
Kemptville	762.96	762.96	-	-	-
Midhurst	-	-	-	-	-
Parry Sound	83,158.37	30,697.19	52,042.18	-	419.00
Pembroke	65,436.82	65,436.82	-	-	-
Peterborough (Tweed)	121,000.04	-	121,000.04	-	-
<b>Sub-Total</b>	<b>852,413.71</b>	<b>196,808.94</b>	<b>523,393.72</b>	<b>7,158.00</b>	<b>125,053.05</b>
<b>TOTAL</b>	<b>6,633,109.88</b>	<b>4,639,011.57</b>	<b>1,806,845.10</b>	<b>44,304.08</b>	<b>142,949.13</b>

Note: Totals may not equal due to rounding - Reported in metric tonnes

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2018 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported By Year)**



**Yearly Production for Aggregate Permits  
(in Million Tonnes)**

	Total	Sand & Gravel	Crushed Stone	Other
2009	7.54	5.01	2.41	0.12
2010	8.43	5.09	3.23	0.11
2011	11.13	5.64	4.71	0.78
2012	8.96	5.81	2.98	0.17
2013	6.88	4.53	2.19	0.16
2014	6.64	4.05	2.41	0.18
2015	7.61	4.04	3.01	0.56
2016	6.82	3.87	2.74	0.21
2017	7.23	4.59	2.39	0.25
2018	6.63	4.64	1.80	0.19

Table 9

**2018 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported by CAC\* Geographic Areas)**

<b>Area</b>	<b>Total</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/ Shale</b>	<b>Other Stone</b>
Southwest (1)	1,969	1,969	0	0	0
Peninsula (2)	0	0	0	0	0
West Central (3)	0	0	0	0	0
GTA (4)	0	0	0	0	0
East Central (5)	673,564	77,515	463,838	7,158	125,053
East (6)	73,945	66,431	7,514	0	0
Northeast (7)	2,351,585	1,705,654	643,611	1,358	963
Northwest (8)	3,532,046	2,787,442	691,883	35,788	16,933
<b>TOTAL</b>	<b>6,633,110</b>	<b>4,639,012</b>	<b>1,806,845</b>	<b>44,304</b>	<b>142,949</b>

Note: Totals may not equal due to rounding - Reported in metric tonnes

Other Stone includes building stone, industrial stone, dimensional stone; Crushed Stone includes Crushed Stone Road Allowance

\*CAC - Cement Association of Canada formerly CPCA - Canadian Portland Cement Association

**2018 AGGREGATE LICENCE PRODUCTION  
BY COMMODITY TYPE  
(Reported by CAC\* Geographic Areas)**

<b>Area</b>	<b>Total</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/ Shale</b>	<b>Other Stone</b>
Southwest (1)	21,503,730	16,137,403	5,239,074	60,159	67,094
Peninsula (2)	15,652,921	3,605,019	12,006,425	41,416	60
West Central (3)	35,411,983	25,888,474	9,300,486	16,346	206,677
GTA (4)	17,908,310	8,818,893	8,164,695	810,959	113,763
East Central (5)	20,670,968	8,934,236	11,462,709	4,860	269,163
East (6)	25,456,568	5,433,113	18,257,913	57,690	1,707,853
Northeast (7)	8,698,964	3,364,423	5,243,134	39,822	51,585
Northwest (8)	4,432,992	2,739,879	1,693,052	0	61
<b>TOTAL</b>	<b>149,736,436</b>	<b>74,921,440</b>	<b>71,367,490</b>	<b>1,031,252</b>	<b>2,416,255</b>

Note: Totals may not equal due to rounding - Reported in metric tonnes

Other Stone includes building stone, industrial stone, dimensional stone; Crushed Stone includes Crushed Stone Road Allowance

\*CAC - Cement Association of Canada formerly CPCA - Canadian Portland Cement Association

Table 10

**REHABILITATION OF  
LICENCED AGGREGATE SITES IN 2018  
(Reported by MNR District)**

District	Total No. of Licences	Total Licenced Area	Original Disturbed Area	New Disturbed Area	New Rehab. Area	Total Disturbed Area
Aurora (GTA)	128	7,760.87	2,566.40	95.91	66.04	2,596.27
Aylmer	282	8,332.09	2,783.60	181.40	188.40	2,776.60
Bancroft	262	9,323.27	1,358.40	62.37	36.93	1,383.84
Guelph (Cambridge)	447	16,463.27	5,271.15	236.89	132.66	5,375.38
Kemptville	456	14,605.15	4,763.73	152.18	43.65	4,872.26
Midhurst	478	15,822.18	4,398.58	170.43	88.24	4,480.78
North Bay	140	6,426.93	818.22	27.91	14.98	831.15
Parry Sound	287	9,028.37	2,138.55	49.34	9.07	2,178.82
Pembroke	213	5,549.40	962.75	78.57	4.05	1,037.27
Peterborough (Tweed)	508	15,278.14	4,152.84	136.30	51.10	4,238.05
Sault Ste. Marie	98	3,826.19	776.45	10.99	6.80	780.63
Sudbury	223	15,833.91	1,698.52	18.67	21.20	1,695.99
Thunder Bay	98	6,986.50	577.76	40.87	56.62	562.01
Wawa	2	62.64	0.00	0.25	0.00	0.25
<b>TOTAL</b>	<b>3,622</b>	<b>135,298.91</b>	<b>32,266.95</b>	<b>1,262.08</b>	<b>719.74</b>	<b>32,809.29</b>

Note: Areas reported in hectares

These statistics are compiled from information supplied by licencees and are not independently checked for accuracy.

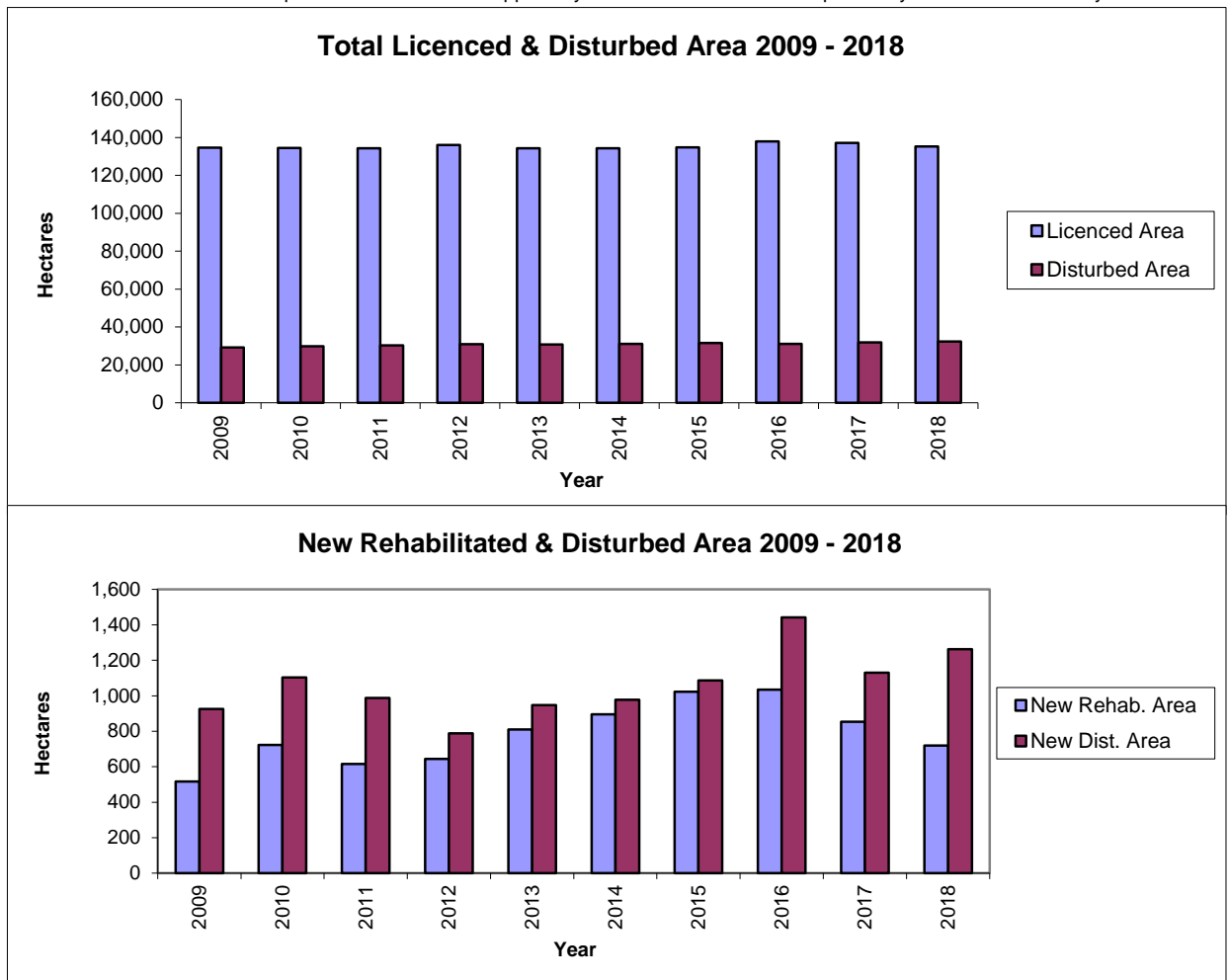


Table 11

**NUMBER AND TYPE OF AGGREGATE PERMITS  
(Reported by MNR District)**

<b>Region/District</b>	<b>Total Hectarage</b>	<b>Total No. of Permits</b>	<b>Pit</b>	<b>Quarry</b>	<b>Pit &amp; Quarry</b>	<b>Underwater</b>
<b>NORTHEAST</b>						
Chapleau	1,270.51	85	81	4	0	0
Cochrane	3,283.98	113	96	10	7	0
Hearst	3,670.85	179	153	24	2	0
Kirkland Lake	2,005.63	149	137	9	3	0
North Bay	3,441.34	189	140	36	13	0
Sault Ste. Marie	1,032.40	84	78	4	2	0
Sudbury	5,124.16	162	120	23	19	0
Timmins	2,195.15	139	124	10	5	0
Wawa	2,393.11	161	143	11	7	0
<b>Sub-Total</b>	<b>24,417.13</b>	<b>1,261</b>	<b>1,072</b>	<b>131</b>	<b>58</b>	<b>0</b>
<b>NORTHWEST</b>						
Dryden	2,470.48	176	155	10	11	0
Fort Frances	2,464.36	206	182	7	17	0
Kenora	3,053.81	173	124	23	26	0
Nipigon	3,518.82	204	163	19	22	0
Red Lake	1,272.74	69	62	4	3	0
Sioux Lookout	2,146.95	85	80	2	3	0
Thunder Bay	4,143.94	151	114	22	15	0
<b>Sub-Total</b>	<b>19,071.10</b>	<b>1,064</b>	<b>880</b>	<b>87</b>	<b>97</b>	<b>0</b>
<b>SOUTHCENTRAL</b>						
Aylmer	0.10	1	0	0	0	1
Bancroft	1,477.21	69	52	17	0	0
Guelph (Cambridge)	620.00	1	0	0	0	1
Kemptville	2.00	1	1	0	0	0
Parry Sound	905.03	87	60	19	8	0
Pembroke	135.00	34	34	0	0	0
Peterborough (Tweed)	31.40	2	0	1	1	0
<b>Sub-Total</b>	<b>3,170.74</b>	<b>195</b>	<b>147</b>	<b>37</b>	<b>9</b>	<b>2</b>
<b>TOTAL</b>	<b>46,658.97</b>	<b>2,520</b>	<b>2,099</b>	<b>255</b>	<b>164</b>	<b>2</b>



## APPENDIX A

### GLOSSARY OF TERMS

For actual definitions, please refer to the Aggregate Resources Act.

#### Active Licence

A licence that has been issued, being transferred, or under suspension at the end of the calendar year.

#### Aggregate

Includes sand, gravel, limestone, dolostone, crushed stone, rock other than metallic ores, and other prescribed material.

#### Aggregate Permit

A permit for a pit or quarry issued under the Aggregate Resources Act allowing for the excavation of aggregate that is the property of the Crown, on land where the surface rights are the property of the Crown, or from land under water.

#### ALPS

The Aggregate Licence and Permit System (ALPS) is an automated data base that facilitates the management of mineral aggregate production and related information, for individual licences, aggregate permits and wayside permits across the province.

#### Building Dimension

A slab or block of rock, flagstone if foliated and dimension stone if massive, generally rectangular, and cut to specified measurements for ornamental surfacing in buildings or other construction applications.

#### Clay/Shale

Clay is a fine-grained, natural, earthy material composed primarily of hydrous aluminum silicates. It is plastic when moist and hardens when dried. Shale is fine-grained sedimentary laminated rock predominantly composed of clay grade and other fine minerals.

#### Class A Licence

A licence under the Aggregate Resources Act to allow excavation of more than 20,000 tonnes of aggregate annually from a pit or quarry within parts of Ontario that have been designated under the Aggregate Resources Act.

#### Class B Licence

A licence under the Aggregate Resources Act to allow excavation of 20,000 tonnes or less of aggregate annually from a pit or quarry within parts of Ontario that have been designated under the Aggregate Resources Act.

#### Crown Land

Ownership of land which is vested in the Crown or owned by the Province of Ontario.

#### Crushed Stone

Rock or stone mechanically crushed to specified sizes and grading.

#### Designated Area

An area of the Province identified by regulation under the Aggregate Resources Act where a person requires a licence for the excavation of aggregate from private land.

### Disturbed Area

An area within a site that has been, or is being excavated to operate a pit or quarry, and has not been rehabilitated.

### Gravel

Small stones and pebbles or a mixture of sand and small stones. More specifically, fragments of rock worn by the action of air and water, larger and coarser than sand. MTO specifications define gravel as unconsolidated granular material greater than 4.75mm.

### Housing Starts

The number of housing units started where construction has advanced to 100 per cent of footings. In case of multiple dwellings, a "start" implies the commencement of individual structures.

### Inactive Licence

A licence that has been revoked or surrendered prior to the end of the calendar year.

### Licence

A licence for a pit or quarry issued under the Aggregate Resources Act allowing for the extraction of aggregate in designated areas.

### Licensed Area

A specific area for which a licence has been issued for the extraction of mineral aggregates under the Aggregate Resources Act.

### Pit

Land or land under water from which unconsolidated aggregate is being or has been excavated, and has not been rehabilitated.

### Private Land

Land owned by an individual or corporation, as opposed to land which is owned by the Crown.

### Progressive Rehabilitation

As per the requirements of the Aggregate Resources Act, sequential rehabilitation completed within reasonable time over disturbed land from which aggregate has been extracted. The rehabilitation is carried out according to the Act, the regulations, the site plan, and the conditions of the licence or permit during the period that aggregate is being extracted.

### Pits & Quarries Control Act

An Act to manage and regulate mineral aggregate extraction in Ontario. The Act had been automatically repealed and replaced by the Aggregate Resources Act as of January 1, 1990.

### Quarry

Land or land under water from which consolidated rock is or has been excavated and the site has not been rehabilitated.

### Rehabilitation

To treat the land from which aggregate has been excavated to a pre-excitation condition or use, or to a condition compatible with adjacent land.

### Royalty

A payment made to the Crown in recognition of the extraction of aggregates owned by the Crown. Under the Aggregate Resources Act, the royalty is set at a minimum of 50 cents per tonne. The Minister may set a higher rate or may allow exemption.

### Sand

Any hard granular rock material finer than gravel and coarser than dust. MTO specifications define sand as granular material ranging in size from .075mm to 4.75 mm.

### Wayside Permit

A permit issued to a public authority or a person who has a contract with a public authority for a temporary road project or an urgent project for which no alternative source of aggregate is available under licence or permit. A wayside permit expires 18 months from the date of issue or upon completion of the project, whichever comes first.

**APPENDIX B**

**HISTORICAL DESIGNATION OF PRIVATE LAND UNDER THE  
PITS AND QUARRIES CONTROL ACT AND  
THE AGGREGATE RESOURCES ACT**

(by Geographic Twp)

**Designations under the Pits and Quarries Control Act (1971-1989)**

**DECEMBER 19, 1971**

Adjala	Euphrasia	Nottawasaga
Albemarle	Flamborough East	Osprey
Albion	Flamborough West	Pelham
Amabel	Grantham	Reach
Ancaster	Grimsby North	Saltfleet
Artemesia	Holland	Stamford
Barton	Keppel	St. Edmunds
Beverly	Lindsay	St. Vincent
Caledon	London	Sydenham
Chinguacousy	Louth	Thorold
Clinton	Melancthon	Toronto Gore
Collingwood	Mono	Trafalgar
Derby	Mulmur	Westminster
Eastnor	Nassagaweya	West Nissouri
Erin	Nelson	Whitby
Esquesing	Niagara	Whitchurch

**MARCH 3, 1972**

Brock	Lobo	Pickering
East Whitby	Markham	Toronto
Gloucester	Nepean	Vaughan
Hallowell	Osgoode	

**MAY 9, 1972**

Brantford	Pittsburgh	South Dumfries
Guelph	Puslinch	Waterloo
Kingston	North Dumfries	

**AUGUST 15, 1973**

Anderdon	Dereham	Humberstone
Bertie	Dunn	Huntley
Blenheim	Eramosa	King
Brighton	Fitzroy	Malden
Clarke	Gosfield South	Manvers
Colchester North	Gosfield North	March
Colchester South	Haldimand	Mersea
Cramahe	Hamilton	Murray
Crowland	Harwich	Nichol
Darlington	Hope	North Cayuga

North Gower  
North Oxford  
Oneida  
Orillia  
Oro  
Pilkington  
Raleigh  
Romney

Sidney  
Sunnidale  
Thurlow  
Tilbury East  
Tyendinaga  
Uxbridge  
Vespra  
Walpole

Wellesley  
West Oxford  
Willoughby  
Wilmot  
Woodhouse  
Woolwich  
Yarmouth

**FEBRUARY 15, 1974**

Delaware  
North Dorchester

**MAY 17, 1974**

Pelee

**MAY 1, 1975**

Alnwick  
Amaranth  
Arran  
Arthur  
Asphodel  
Balfour  
Bayham  
Belmont  
Bexley  
Biddulph  
Binbrook  
Blandford  
Blanshard  
Blezard  
Bowell  
Broder  
Burford  
Caistor  
Camden  
Capreol  
Cartwright  
Cavan  
Charlotteville  
Chatham  
Creighton  
Cumberland  
Denison  
Dieppe  
Dill  
Douro  
Dover  
Dowling  
Drury

Dryden  
Dummer  
East York  
East Garafraxa  
East Nissouri  
East Luther  
East Gwillimbury  
East Oxford  
East Zorra  
Eldon  
Emily  
Ennismore  
Essa  
Etobicoke  
Fairbank  
Falconbridge  
Fenelon  
Flos  
Gainsborough  
Garson  
Georgina  
Glanford  
Glenelg  
Goulburn  
Graham  
Hanmer  
Harvey  
Houghton  
Howard  
Hutton  
Innisfil  
Levack  
Lorne

Louise  
Lumsden  
MacLennan  
Maidstone  
Malahide  
Mara  
Mariposa  
Marlborough  
Maryborough  
Matchedash  
McKim  
Medonte  
Middleton  
Minto  
Morgan  
Moulton  
Neelon  
Norman  
North Monaghan  
North Walsingham  
North Norwich  
North Gwillimbury  
North York  
Oakland  
Onondaga  
Ops  
Orford  
Otonabee  
Peel  
Percy  
Proton  
Rainham  
Rama

Rawden  
Rayside  
Rochester  
Sandwich, East  
Sandwich, West  
Scarborough  
Scott  
Scugog  
Seneca  
Seymour  
Sherbrooke  
Smith  
Snider  
South Walsingham

South Cayuga  
South Dorchester  
South Grimsby  
South Norwich  
South Monaghan  
Sullivan  
Tay  
Tecumseh  
Thorah  
Tilbury, North  
Tilbury, West  
Tiny  
Torbolton  
Tosorontio

Townsend  
Trill  
Tuscarora  
Verulam  
Wainfleet  
Waters  
West Luther  
West Garafraxa  
West Gwillimbury  
West Zorra  
Windham  
Wisner  
York  
Zone

#### **APRIL 6, 1976**

Great LaCloche Island  
Little LaCloche Island

#### **AUGUST 27, 1976**

Avenge  
Bosanquet  
Carden

Korah  
Parke  
Prince

Rankin  
St. Mary's  
Tarentorus

#### **JANUARY 1, 1981**

Adelaide  
Aldborough  
All of the County of Perth  
All of the County of Huron  
All of the County of Lanark  
Ameliasburgh  
Athol  
Bentinck  
Brant  
Brooke  
Bruce  
Carrick  
City of Belleville  
Culross  
Dawn  
Dunwich  
E. Williams  
Egremont  
Elderslie  
Elzevir and Grimsthorpe

Enniskillen  
Euphemia  
Exfrid  
Greenock  
Hillier  
Hungerford  
Huntingdon  
Huron  
Kincardine  
Kinloss  
Madoc  
Marmora and Lake  
McGillivray  
Moore  
Mosa  
Normanby  
North Marysburgh  
Plympton  
Sarnia  
Saugeen

Separated Town of Trenton  
Sombra  
Sophiasburgh  
South Marysburgh  
Southwold  
Town of Deseronto  
Tudor  
United Counties of Prescott  
and Russell  
United Counties of Stormont,  
Dundas & Glengarry  
United Counties of Leeds and  
Grenville  
Villages of Deloro, Frankford,  
Madoc, Marmora, Stirling  
and Tweed  
W. Williams  
Walford  
Warwich  
Wyoming

#### **JULY 1, 1984**

Storrington

**Designations under the Aggregate Resources Act (Jan. 1, 1990)**

**APRIL 1, 1992**

Adolphustown	Howe Island	Somerville
Amherst Island	Laxton	South Fredericksburgh
Bedford	Longford	Town of Napanee
Camden East	Loughborough	Villages of Bath and
Dalton	North Fredericksburgh	Newburgh
Digby	Portland	Wolfe Island
Ernestown	Richmond	

**SEPTEMBER 1, 1993**

Admaston		Towns of Arnprior and
Alice and Fraser	McNab	Renfrew
Bagot and Blithfield	Pembroke	Villages of Beachburg,
Bromley	Petawawa	Braeside, Cobden and
City of Pembroke	Ross	Petawawa
Horton	Stafford	Westmeath

**JANUARY 1, 1998**

Anderson	Gaudette	Ley
Appleby	Gough	Loughrin
Archibald	Hagar	Macdonald
Aweres	Hallam	May
Awrey	Harrow	McKinnon
Baldwin	Harty	Meredith and Aberdeen
Burwash	Haviland	Additional
Cartier	Hawley	Merritt
Cascaden	Hendrie	Mongowin
Casimir	Henry	Nairn
Chesley Additional	Herrick	Pennefather
Cleland	Hess	Ratter
Cosby	Hilton	Secord
Curtin	Hodgins	Servos
Delamere	Hoskin	Shakespeare
Dennis	Hyman	Shields
Deroche	Jarvis	St. Joseph
Duncan	Jennings	Street
Dunnet	Jocelyn	Tarbutt and Tarbutt
Eden	Johnson	Additional
Fenwick	Kars	Tilley
Fisher	Kehoe	Tilton
Foster	Laird	Tupper
Foy	Laura	VanKoughnet

**DECEMBER 4, 1999**

Village of Hilton Beach

**JULY 22, 2004**

Andre  
Bostwick  
Franchere  
Groseilliers  
Legarde

Levesque  
Macaskill  
Menzies  
Michipicoten  
Musquash

Rabazo  
St. Germain  
Warpula

**Newly Designated Private Lands (Effective January 1, 2007)**

1. Those parts of the County of Frontenac consisting of the townships of Central Frontenac and North Frontenac.
2. Those parts of the County of Renfrew consisting of,
  - a) the Township of Bonnechere Valley, the Township of Brudenell, Lyndoch and Raglan, the Township of Head, Clara and Maria, the Township of Killaloe, Hagarty and Richards, the Township of Madawaska Valley and the Township of North Algona Wilberforce;
  - b) the Township of Greater Madawaska, except the townships of Bagot and Blythfield; and
  - c) the towns of Deep River and Laurentian Hills.
3. Those parts of the County of Lennox and Addington consisting of,
  - a) the Township of Addington Highlands; and
  - b) the Township of Stone Mills, except the Township of Camden East.
4. Those parts of the County of Hastings consisting of,
  - a) the Town of Bancroft;
  - b) the townships of Carlow/Mayo, Faraday, Limerick and Wollaston;
  - c) the Municipality of Hastings Highlands; and
  - d) the Township of Tudor and Cashel, except the Township of Tudor.
5. Those parts of the County of Peterborough consisting of,
  - a) the Township of Galway-Cavendish-Harvey, except the Township of Harvey;
  - b) the Township of Havelock-Belmont-Methuen, except the Township of Belmont and the Town of Havelock; and
  - c) the Township of North Kawartha.
6. All of the County of Haliburton.
7. Those parts of the Territorial District of Nipissing consisting of,
  - a) the Town of Mattawa;
  - b) the City of North Bay;
  - c) the Municipality of West Nipissing;
  - d) the townships of Bonfield, Calvin, Chisholm, East Ferris, Mattawan, Papineau- Cameron and South Algonquin; and
  - e) the geographical townships of Airy, Anglin, Antoine, Ballantyne, Barron, Biggar, Bishop, Blyth, Boulter, Bower, Boyd, Bronson, Butler, Butt, Canisbay, Charlton, Clancy, Clarkson, Commanda, Deacon, Devine, Dickson, Eddy, Edgar, Finlayson, Fitzgerald, French, Freswick, Garrow, Gladman, Guthrie, Hammell, Hunter, Jocko, Lauder, Lyman, Lister, Lockhart, Master, McCraney, McLaughlin, McLaren, Merrick, Mulock, Niven, Notman, Olig, Osborne, Osler, Paxton, Peck, Pentland, Phelps, Poitras, Preston, Sproule, Stewart, Stratton, Thistle, White and Wilkes



8. All parts of the Territorial District of Parry Sound consisting of,
  - a) the townships of Armour, Carling, Joly, Machar, McKellar, McMurrich/Monteith, Nipissing, Perry, Ryerson, Seguin, Strong and The Archipelago;
  - b) the municipalities of Powassan, Magnetawan, McDougall, Callander and Whitestone;
  - c) the towns of Kearney and Parry Sound;
  - d) the villages of Burk's Falls, South River and Sundridge; and
  - e) the geographical townships of Bethune, Blair, Brown, East Mills, Gurd, Hardy, Harrison, Henvey, Laurier, Lount, McConkey, Mowat, Patterson, Pringle, Proudfoot, Shawanaga, Wallbridge and Wilson.
9. All parts of the Territorial District of Muskoka consisting of,
  - a) the towns of Bracebridge, Gravenhurst and Huntsville;
  - b) the townships of Georgian Bay, Lake of Bays and Muskoka Lakes; and
  - c) the District Municipality of Muskoka.
10. Those parts of the Territorial District of Sudbury consisting of,
  - a) the Municipality of French River, except the geographical townships of Cosby, Delamere and Hoskin;
  - b) the Township of Sables – Spanish River, except the geographical townships of Gough, Hallam, Harrow, May, McKinnon and Shakespeare;
  - c) the Town of Killarney;
  - d) the Municipality of Killarney;
  - e) those parts of the City of Greater Sudbury consisting of the geographical townships of Aylmer, Fraleck, Hutton, MacKelcan, Parkin, Rathburn and Scadding; and
  - f) the geographical townships of Bevin, Caen, Carlyle, Cox, Davis, Dunlop, Halifax, Humboldt, Janes, Kelly, Leinster, McCarthy, Munster, Porter, Roosevelt, Shibananing, Truman, Tyrone and Waldie.
11. All parts of the Territorial District of Manitoulin, except Great LaCloche Island and Little LaCloche Island.
12. Those parts of the Territorial District of Algoma consisting of,
  - a) the towns of Blind River, Bruce Mines and Thessalon;
  - b) the City of Elliot Lake;
  - c) the townships of The North Shore, Plummer Additional and Shedden;
  - d) the Municipality of Huron Shores; and
  - e) the geographical townships of Aberdeen, Boon, Bridgland, Brule, Cadeau, Curtis, Dablon, Daumont, Deagle, Gaiashk, Galbraith, Gerow, Gillmor, Grenoble, Hughes, Hurlburt, Hynes, Kane, Kincaid, Lamming, Laverendrye, Marne, McMahan, Montgomery, Morin, Nicolet, Norberg, Palmer, Parkinson, Patton, Peever, Plummer, Rix, Rose, Ryan, Slater, Smilsky, Wells, Whitman and Wishart.
13. Those parts of the Territorial District of Thunder Bay consisting of,
  - a) the City of Thunder Bay;
  - b) the Municipality of Neebing; and
  - c) the townships of Conmee, Dorion, Gillies, O'Conner, Oliver Paipoonge and Shuniah; and
  - d) the geographic townships of Gorham and Ware (designated January 1, 2016)

**Please refer to the Revised Regulations of Ontario for accuracy.**

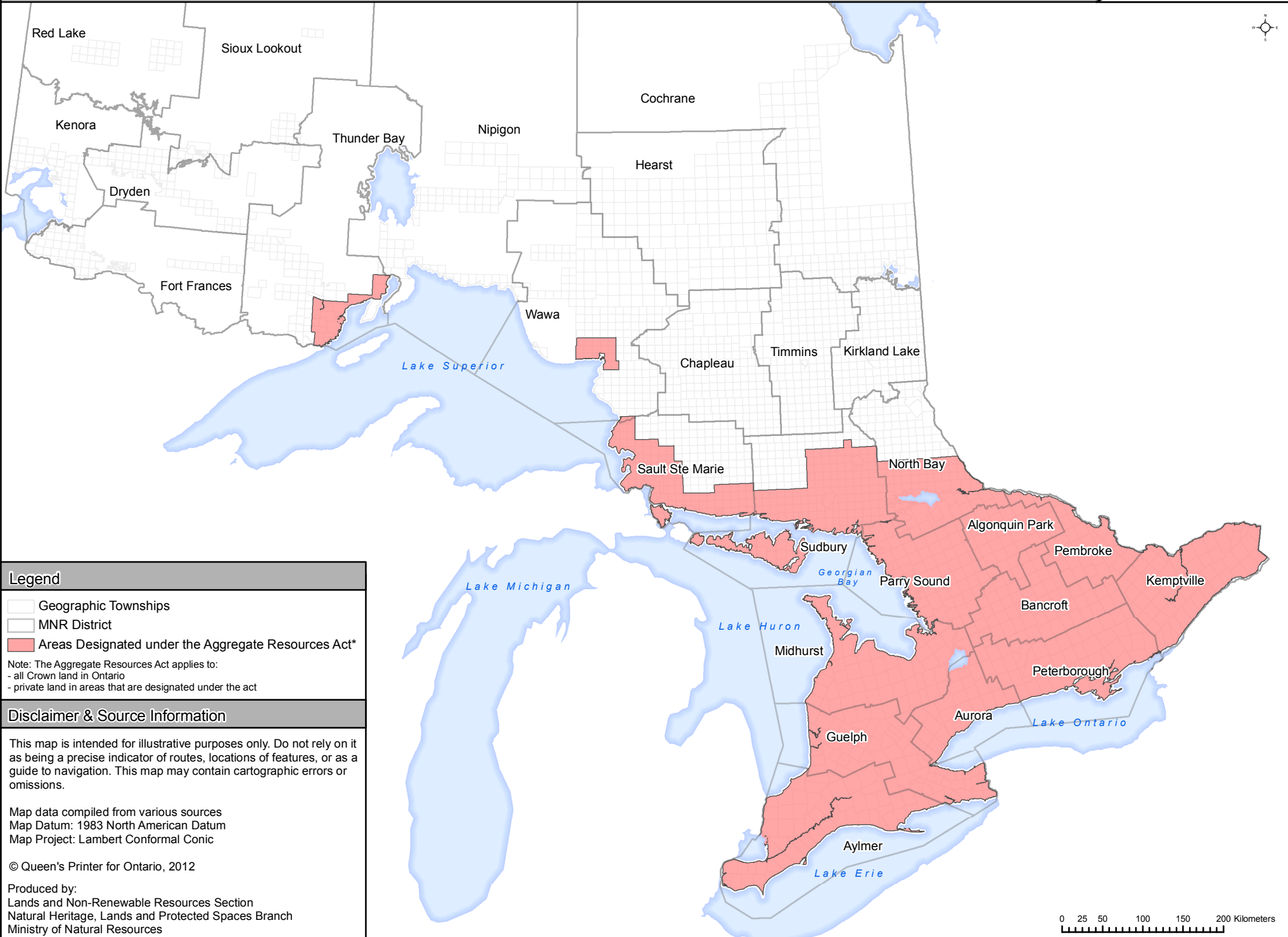
# CANADIAN PORTLAND CEMENT ASSOCIATION\* GEOGRAPHIC AREAS

\* Now CAC - Cement Association of Canada



Area 1 Southwest	Area 2 Peninsula	Area 3 West Central	Area 4 GTA	Area 5 East Central	Area 6 East	Area 7 Northeast	Area 8 Northwest
Essex	Niagara	Bruce	Metro Toronto	Kawartha Lakes	Prescott & Russell	Nipissing	Algoma
Chatham-Kent	Brant	Grey	Peel	Peterborough	Leeds & Grenville	Parry Sound	Thunder Bay
Lambton	Haldimand	Simcoe	York	Haliburton	Stormont, Dundas, & Glengarry	Timiskaming	Kenora
Elgin	Norfolk	Dufferin	Durham	Northumberland	Frontenac	Cochrane	Rainy River
Middlesex	Hamilton	Wellington	Halton	Hastings	Greater Ottawa	Sudbury District	
Huron		Waterloo		Prince Edward	Lanark	Greater Sudbury	
Perth				Muskoka	Renfrew	Manitoulin	
Oxford					Lennox & Addington		

# Areas Designated under the Aggregate Resources Act



## Legend

- Geographic Townships
- MNR District
- Areas Designated under the Aggregate Resources Act\*

Note: The Aggregate Resources Act applies to:  
- all Crown land in Ontario  
- private land in areas that are designated under the act

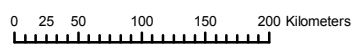
## Disclaimer & Source Information

This map is intended for illustrative purposes only. Do not rely on it as being a precise indicator of routes, locations of features, or as a guide to navigation. This map may contain cartographic errors or omissions.

Map data compiled from various sources  
Map Datum: 1983 North American Datum  
Map Project: Lambert Conformal Conic

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**ANNUAL AGGREGATE LICENCE / PERMIT FEE 2020**  
 (adjusted annually subject to inflation  
 see: <https://www.ontario.ca/page/aggregate-resources>)

Charge	2020 Production
Annual Fee - Class A Licences and Aggregate Permits authorized to remove more than 20,000 tonnes annually	20.6¢ / tonne or \$718, whichever is greater
Annual Fee - Class B Licences and Aggregate Permits authorized to remove 20,000 tonnes or less annually	20.6¢ / tonne or \$385, whichever is greater

**Distribution**  
 Fees collected from licences, wayside permits and aggregate permits will be distributed approximately as follows:

- 3% to the Aggregate Resources Trust Fund for rehabilitation and research
- 61% to the local municipality in which the site is located
- 15% to the upper-tier municipality in which the site is located
- 21% to the Crown (minimum)



Compiled by **MHBC Planning** with the cooperation and assistance of the Ministry of Natural Resources and Forestry, Aggregate Resources Program staff (February 2020)

# 2020 MNR Aggregate Technical Specialists

AGGREGATE RESOURCES ACT DESIGNATED AREAS

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Barrie	705.728.0045
Burlington	905.639.8686