



# AGGREGATE RESOURCES STATISTICS IN ONTARIO

## PRODUCTION STATISTICS 2016

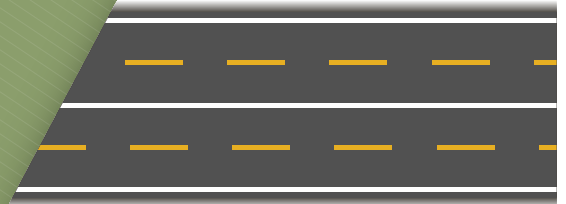
### DID YOU KNOW?

# 1,760

TRUCKLOADS



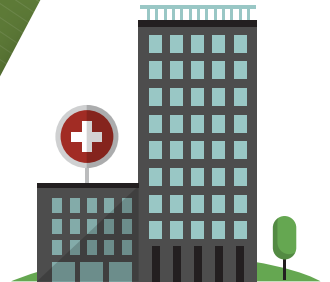
# 1KM



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**

**2016**

### **READER'S NOTE**

**The information in this document is based on production statistics reported to April 30, 2017. This document will be revised following December 31<sup>st</sup>, 2017 and will be considered final at that time. It is believed that aggregate production for 2016 is substantially reported in this document and gross numbers should remain unchanged in the final version. However, some numbers will change at the municipal level.**

**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 2016, there were 3,696 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,586 aggregate permits on Crown land and 2 wayside permits.

### **Aggregate Production**

Overall production of mineral aggregates in 2016 totaled approximately 154 million tonnes, down 7 million tonnes or 4.3% from the previous year. Production from licenced operations was down 6 million tonnes or 4.0% compared to 2015. Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. Wayside permit production increased on small volumes (.35 million in 2016 compared to .15 million in 2015). Production from aggregate permits on Crown Land decreased 11.8% from 2015 (6.7 million in 2016 from 7.6 million tonnes in 2015).

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

Table 1

**AGGREGATE PRODUCTION IN ONTARIO - 2004 - 2016**  
(rounded to nearest million tonnes)

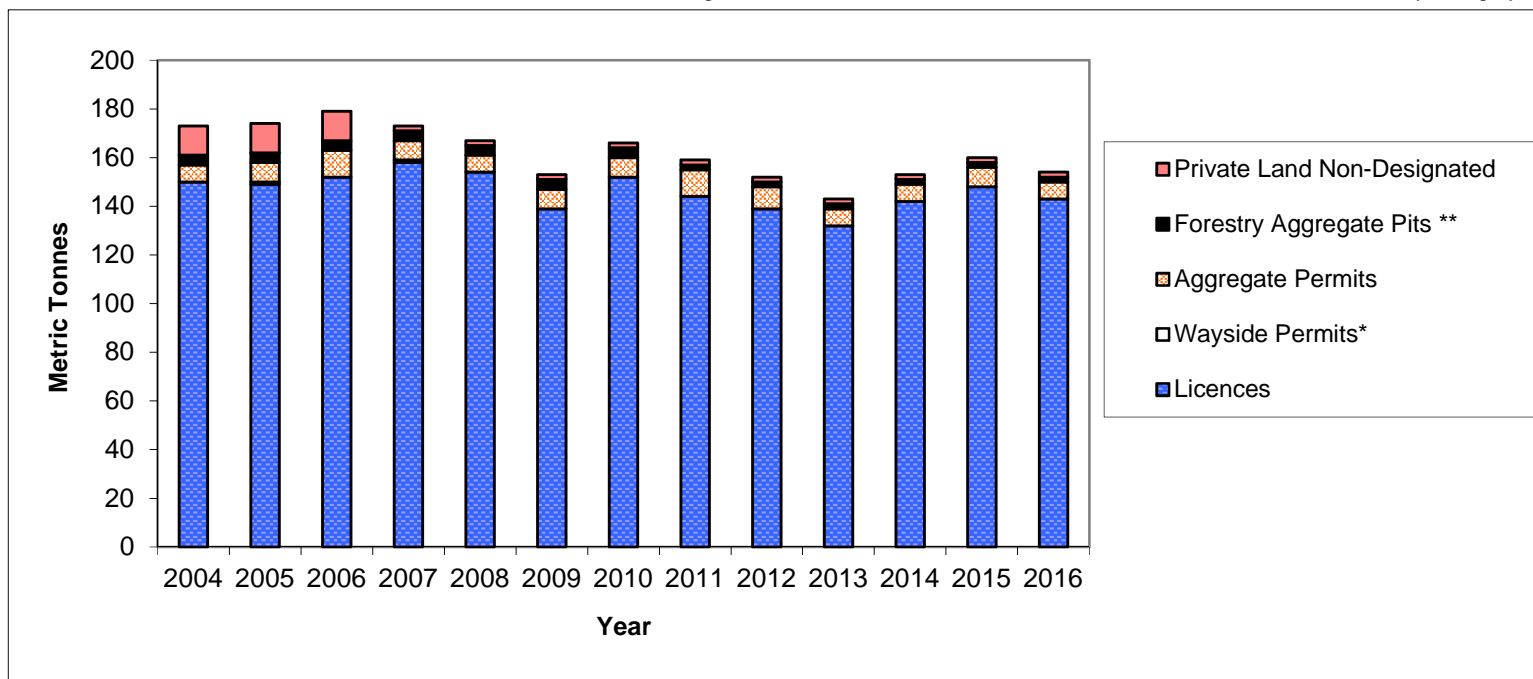
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Licences</b>	150	149	152	158	154	139	152	144	139	132	142	148	143
<b>Wayside Permits*</b>	0	1	0	1	0	0	0	0	0	0	0	0	0
<b>Aggregate Permits</b>	7	8	11	8	7	8	8	11	9	7	7	8	7
<b>Forestry Aggregate Pits **</b>	4	4	4	4	4	4	4	2	2	2	2	2	2
<b>Private Land Non-Designated (estimated)</b>	12	12	12	2	2	2	2	2	2	2	2	2	2
<b>ONTARIO TOTAL</b>	<b>173</b>	<b>174</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>

\*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 .1 million tonnes for 2004, .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; \*\* Formerly Category 14

2



**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><i>Algoma District</i></b>			
Algoma District, Unorganized	133,048.00		133,048.00
Blind River, Town of	38,430.28		38,430.28
Bruce Mines, Town of/Plummer Additional Tp	1,480,825.05		1,480,825.05
Elliot Lake, City of/Spanish, Town of/The North Shore, Tp	59,376.83		59,376.83
Hilton Tp	60,677.00		60,677.00
Huron Shores, Municipality of	494,136.00		494,136.00
Jocelyn Tp	12,273.16		12,273.16
Johnson Tp/Tarbutt & Tarbutt Add'l Tp/St. Joseph Tp	38,218.45		38,218.45
Macdonald, Meredith & Aberdeen Add'l Tp	12,235.63		12,235.63
Sault Ste. Marie, City of/Prince Tp	466,453.52		466,453.52
<b>Sub-Total</b>	<b>2,795,673.92</b>	<b>0.00</b>	<b>2,795,673.92</b>
<b><i>Brant</i></b>			
Brant, County of/Brantford, City of	1,741,974.64		1,741,974.64
<b>Sub-Total</b>	<b>1,741,974.64</b>	<b>0.00</b>	<b>1,741,974.64</b>
<b><i>Bruce</i></b>			
Arran-Elderslie, Municipality of	217,131.49		217,131.49
Brockton, Municipality of	48,477.97		48,477.97
Huron-Kinloss Tp	364,249.98		364,249.98
Kincardine, Municipality of	50,078.90		50,078.90
Northern Bruce Peninsula, Municipality of	140,977.10		140,977.10
Saugeen Shores, Town of	146,456.20		146,456.20
South Bruce Peninsula, Town of	233,622.95		233,622.95
South Bruce, Municipality of	290,896.74		290,896.74
<b>Sub-Total</b>	<b>1,491,891.33</b>	<b>0.00</b>	<b>1,491,891.33</b>
<b><i>Chatham-Kent</i></b>			
Chatham-Kent, Municipality of	286,740.43		286,740.43
<b>Sub-Total</b>	<b>286,740.43</b>	<b>0.00</b>	<b>286,740.43</b>
<b><i>Dufferin</i></b>			
Amaranth Tp/East Luther Grand Valley Tp	63,794.00		63,794.00
East Garafraxa Tp	1,026,918.57		1,026,918.57
Melancthon Tp	838,504.98		838,504.98
Mono Tp	165,018.85		165,018.85
Mulmur Tp	122,921.43		122,921.43
<b>Sub-Total</b>	<b>2,217,157.83</b>	<b>0.00</b>	<b>2,217,157.83</b>
<b><i>Durham</i></b>			
Brock Tp	1,101,618.55		1,101,618.55
Clarington, Municipality of	5,474,470.07		5,474,470.07
Oshawa, City of/Scugog Tp	160,350.23		160,350.23
Uxbridge Tp	2,799,027.14		2,799,027.14
<b>Sub-Total</b>	<b>9,535,465.99</b>	<b>0.00</b>	<b>9,535,465.99</b>
<b><i>Elgin</i></b>			
Bayham/West Elgin, Municipality of/Malahide Tp	176,243.32		176,243.32
Central Elgin, Municipality of	266,670.61		266,670.61
<b>Sub-Total</b>	<b>442,913.93</b>	<b>0.00</b>	<b>442,913.93</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	1,474,951.07		1,474,951.07
Kingsville, Town of	439,085.51		439,085.51
<b>Sub-Total</b>	<b>1,914,036.58</b>	<b>0.00</b>	<b>1,914,036.58</b>
<b>Frontenac</b>			
Central Frontenac Tp	57,845.16		57,845.16
Frontenac Islands Tp	32,425.48		32,425.48
Kingston, City of	925,657.16		925,657.16
North Frontenac Tp	110,474.81		110,474.81
South Frontenac Tp	412,130.22		412,130.22
<b>Sub-Total</b>	<b>1,538,532.83</b>	<b>0.00</b>	<b>1,538,532.83</b>
<b>Greater Sudbury</b>			
Greater Sudbury, City of	2,636,693.11		2,636,693.11
<b>Sub-Total</b>	<b>2,636,693.11</b>	<b>0.00</b>	<b>2,636,693.11</b>
<b>Grey</b>			
Chatsworth Tp	405,473.15		405,473.15
Georgian Bluffs, Tp	397,960.27		397,960.27
Grey Highlands, Municipality of	975,841.52		975,841.52
Meaford, Municipality of	491,548.41		491,548.41
Southgate Tp	470,397.86		470,397.86
The Blue Mountains, Town of	208,396.76		208,396.76
West Grey, Municipality of	790,509.01		790,509.01
<b>Sub-Total</b>	<b>3,740,126.98</b>	<b>0.00</b>	<b>3,740,126.98</b>
<b>Haldimand</b>			
Haldimand, County of	1,120,916.25		1,120,916.25
<b>Sub-Total</b>	<b>1,120,916.25</b>	<b>0.00</b>	<b>1,120,916.25</b>
<b>Haliburton</b>			
Algonquin Highlands, Tp	46,753.80		46,753.80
Dysart et al, Tp	202,893.46		202,893.46
Highlands East, Tp	16,540.49		16,540.49
Minden Hills, TP	104,554.54		104,554.54
<b>Sub-Total</b>	<b>370,742.29</b>	<b>0.00</b>	<b>370,742.29</b>
<b>Halton</b>			
Burlington, City of/Halton Hills, Town of	5,344,756.95		5,344,756.95
Milton, Town of	1,226,448.47		1,226,448.47
<b>Sub-Total</b>	<b>6,571,205.42</b>	<b>0.00</b>	<b>6,571,205.42</b>
<b>Hamilton</b>			
Hamilton, City of	5,944,526.14		5,944,526.14
<b>Sub-Total</b>	<b>5,944,526.14</b>	<b>0.00</b>	<b>5,944,526.14</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Hastings</b>			
Bancroft, Town of	12,436.63		12,436.63
Belleville, City of	661,344.46		661,344.46
Carlo/Mayo Tp	16,967.52		16,967.52
Centre Hastings, Municipality of	271,966.95		271,966.95
Faraday Tp	22,362.36		22,362.36
Hasting Highlands, Municipality of	251,718.92		251,718.92
Limerick Tp	23,804.54		23,804.54
Madoc Tp	626,068.31		626,068.31
Marmora & Lake, Municipality of/Sterling-Rawdon Tp	8,372.34		8,372.34
Quinte West, City of	571,994.69		571,994.69
Tweed, Municipality of	65,982.44		65,982.44
Tyendinaga Tp	229,501.10		229,501.10
Wollaston Tp	46,100.09		46,100.09
<b>Sub-Total</b>	<b>2,808,620.35</b>	<b>0.00</b>	<b>2,808,620.35</b>
<b>Huron</b>			
Ashfield-Colborne-Wawanosh Tp	888,573.09		888,573.09
Bluewater, Municipality of	25,194.00		25,194.00
Central Huron, Municipality of	366,134.96	200,000.00	566,134.96
Howick Tp	563,409.39		563,409.39
Huron East, Municipality of	664,954.66		664,954.66
Morris-Turnberry, Municipality of	207,745.77		207,745.77
North Huron Tp	108,969.11		108,969.11
South Huron, Municipality of	97,512.80		97,512.80
<b>Sub-Total</b>	<b>2,922,493.78</b>	<b>200,000.00</b>	<b>3,122,493.78</b>
<b>Kawartha Lakes</b>			
Kawartha Lakes, City of	6,496,319.99		6,496,319.99
<b>Sub-Total</b>	<b>6,496,319.99</b>	<b>0.00</b>	<b>6,496,319.99</b>
<b>Lambton</b>			
Lambton Shores, Municipality of	186,048.17		186,048.17
Warwick Tp/Plympton-Wyoming, Town of	294,558.04		294,558.04
<b>Sub-Total</b>	<b>480,606.21</b>	<b>0.00</b>	<b>480,606.21</b>
<b>Lanark</b>			
Beckwith Tp/Drummond-North Elmsley Tp	159,460.81		159,460.81
Lanark Highlands Tp	1,087,745.03		1,087,745.03
Mississippi Mills, Town of	384,555.94		384,555.94
Montague Tp	116,492.88		116,492.88
Tay Valley Tp	26,080.44		26,080.44
<b>Sub-Total</b>	<b>1,774,335.10</b>	<b>0.00</b>	<b>1,774,335.10</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Leeds &amp; Grenville</b>			
Athens Tp/Front of Yonge Tp/Leeds and Thousand Islands Tp	226,268.93		226,268.93
Augusta Tp	70,072.44		70,072.44
Edwardsburgh-Cardinal Tp	64,765.43		64,765.43
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of	324,894.65		324,894.65
Leeds and Thousand Islands Tp	371,622.68		371,622.68
North Grenville Tp	784,948.21		784,948.21
Rideau Lakes Tp	127,530.72		127,530.72
<b>Sub-Total</b>	<b>1,970,103.06</b>	<b>0.00</b>	<b>1,970,103.06</b>
<b>Lennox &amp; Addington</b>			
Addington Highlands Tp	10,390.07		10,390.07
Greater Napanee, Town of	188,057.55		188,057.55
Loyalist Tp	1,758,540.64		1,758,540.64
Stone Mills Tp	51,497.89		51,497.89
<b>Sub-Total</b>	<b>2,008,486.15</b>	<b>0.00</b>	<b>2,008,486.15</b>
<b>Manitoulin District</b>			
Assignack, Tp/Billings Tp	12,587.00		12,587.00
Central Manitoulin Tp	48,202.76		48,202.76
Gordon/Barrie Island/Burpee & Mills, Tp/Cockburn Island, Tp	27,823.38		27,823.38
Northeastern Manitoulin & The Islands	142,610.89		142,610.89
Tehkummah, Tp	37,124.88		37,124.88
Unorganized - Manitoulin D	2,692,000.07		2,692,000.07
<b>Sub-Total</b>	<b>2,960,348.98</b>	<b>0.00</b>	<b>2,960,348.98</b>
<b>Middlesex</b>			
Adelaide Metcalfe Tp/Strathroy-Caradoc Tp	128,410.16		128,410.16
London, City of	736,605.85		736,605.85
Lucan Biddulph Tp/North Middlesex, Municipality of	56,275.94		56,275.94
Middlesex Centre Tp	224,063.98		224,063.98
Thames Centre, Municipality of	2,669,200.72		2,669,200.72
<b>Sub-Total</b>	<b>3,814,556.65</b>	<b>0.00</b>	<b>3,814,556.65</b>
<b>Muskoka</b>			
Bracebridge	693,207.11		693,207.11
Georgian Bay	6,384.50		6,384.50
Gravenhurst	137,244.69		137,244.69
Huntsville	967,455.73		967,455.73
Lake of Bays, Tp	104,097.20		104,097.20
Muskoka Lakes, Tp	249,396.81		249,396.81
<b>Sub-Total</b>	<b>2,157,786.04</b>	<b>0.00</b>	<b>2,157,786.04</b>
<b>Niagara</b>			
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp	2,489,458.33		2,489,458.33
Lincoln, Town of/Niagara-on-the-Lake, Town of	1,848,553.01		1,848,553.01
Niagara Falls, City of	766,664.34		766,664.34
<b>Sub-Total</b>	<b>5,104,675.68</b>	<b>0.00</b>	<b>5,104,675.68</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	33,268.08		33,268.08
Calvin Tp/East Ferris, Municipality of	20,671.81		20,671.81
Chisholm Tp	29,262.01		29,262.01
Mattawan Tp/South Algonquin Tp/Unorganized - Nippissing D	16,047.62		16,047.62
North Bay, City of	463,021.02		463,021.02
Papineau-Cameron Tp	33,262.40		33,262.40
West Nipissing, Municipality of	358,280.69		358,280.69
<b>Sub-Total</b>	<b>953,813.63</b>	<b>0.00</b>	<b>953,813.63</b>
<b><i>Norfolk</i></b>			
Norfolk, County of	653,093.56		653,093.56
<b>Sub-Total</b>	<b>653,093.56</b>	<b>0.00</b>	<b>653,093.56</b>
<b><i>Northumberland</i></b>			
Alnwick-Haldimand Tp	522,060.52		522,060.52
Brighton, Municipality of	340,385.27		340,385.27
Cramahe Tp	2,124,316.87		2,124,316.87
Hamilton Tp	134,978.42		134,978.42
Port Hope, Municipality of	46,831.00		46,831.00
Trent Hills, Municipality of	260,714.90		260,714.90
<b>Sub-Total</b>	<b>3,429,286.98</b>	<b>0.00</b>	<b>3,429,286.98</b>
<b><i>Ottawa</i></b>			
Ottawa, City of	8,692,301.39		8,692,301.39
<b>Sub-Total</b>	<b>8,692,301.39</b>	<b>0.00</b>	<b>8,692,301.39</b>
<b><i>Oxford</i></b>			
Blandford-Blenheim Tp	614,605.43		614,605.43
East Zorra-Tavistock Tp/Norwich Tp	190,561.64		190,561.64
South-West Oxford Tp	953,990.18		953,990.18
Zorra Tp	4,674,364.56		4,674,364.56
<b>Sub-Total</b>	<b>6,433,521.81</b>	<b>0.00</b>	<b>6,433,521.81</b>
<b><i>Parry Sound District</i></b>			
Armour Tp/Burks Falls, Village of	46,944.73		46,944.73
Callander, Municipality of	125,146.00		125,146.00
Carling Tp/The Archipelago Tp	17,037.97		17,037.97
Joly Tp	57,391.70		57,391.70
Kearney, Town of	14,422.00		14,422.00
Macher Tp	57,565.64		57,565.64
Magnetawan, Municipality of	142,064.12		142,064.12
McDougall Tp/Parry Sound, Town of	39,784.51		39,784.51
McKeller Tp	6,472.92		6,472.92
McMurrich-Monteith Tp	19,979.00		19,979.00
Nipissing Tp	22,340.00		22,340.00
Perry Tp	37,580.71		37,580.71
Powassan, Municipality of	204,143.88		204,143.88
Ryerson Tp	24,880.15		24,880.15
Seguin Tp	530,038.03		530,038.03
Strong Tp	5,504.92		5,504.92
Unorganized - Parry Sound	150,770.47		150,770.47
Whitestone The Municipality of	21,073.92		21,073.92
<b>Sub-Total</b>	<b>1,523,140.67</b>	<b>0.00</b>	<b>1,523,140.67</b>

Table 2

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

(Reported in Metric Tonnes)

<b>Municipality</b>	<b>Licences</b>	<b>Wayside Permits</b>	<b>Total</b>
<b><i>Peel</i></b>			
Caledon, Town of	2,462,283.13	150,000.00	2,612,283.13
<b>Sub-Total</b>	<b>2,462,283.13</b>	<b>150,000.00</b>	<b>2,612,283.13</b>
<b><i>Perth</i></b>			
Perth East Tp	606,563.20		606,563.20
Perth South Tp/St. Marys, Separated Town of	1,625,809.10		1,625,809.10
West Perth Tp	393,278.84		393,278.84
<b>Sub-Total</b>	<b>2,625,651.14</b>	<b>0.00</b>	<b>2,625,651.14</b>
<b><i>Peterborough</i></b>			
Asphodel-Norwood Tp	142,764.63		142,764.63
Cavan-Millbrook-North Monaghan Tp	97,903.06		97,903.06
Douro-Dummer Tp	515,219.30		515,219.30
Galway-Cavendish-Harvey Tp	674,409.25		674,409.25
Havelock-Belmont-Methuen Tp	1,072,453.91		1,072,453.91
North Kawartha Tp	5,934.85		5,934.85
Otonabee South Monaghan Tp	324,252.05		324,252.05
Selwyn Tp	308,401.22		308,401.22
<b>Sub-Total</b>	<b>3,141,338.27</b>	<b>0.00</b>	<b>3,141,338.27</b>
<b><i>Prescott &amp; Russell</i></b>			
Alfred & Plantagenet Tp	265,593.80		265,593.80
Champlain Tp	644,324.01		644,324.01
Clarence-Rockland, City of	110,316.32		110,316.32
East Hawkesbury Tp	17,014.50		17,014.50
Russell Tp	93,854.94		93,854.94
The Nation, Municipality of	274,678.21		274,678.21
<b>Sub-Total</b>	<b>1,405,781.78</b>	<b>0.00</b>	<b>1,405,781.78</b>
<b><i>Prince Edward Co</i></b>			
Prince Edward, County of	1,629,938.90		1,629,938.90
<b>Sub-Total</b>	<b>1,629,938.90</b>	<b>0.00</b>	<b>1,629,938.90</b>
<b><i>Renfrew</i></b>			
Admaston-Bromley Tp/Renfrew, Town of	140,931.90		140,931.90
Bonnechere Valley Tp	90,434.16		90,434.16
Brudenell, Lyndoc and Raglan Tp	43,418.62		43,418.62
Deep River Tp/Head, Clara & Maria Tp	2,434.00		2,434.00
Greater Madawaska Tp	11,100.00		11,100.00
Horton Tp	326,988.66		326,988.66
Killaloe, Hagarty and Richards Tp	60,104.14		60,104.14
Laurentian Hills	86,437.14		86,437.14
Laurentian Valley Tp	340,379.88		340,379.88
Madawaska Valley	61,418.58		61,418.58
McNab-Braeside Tp	300,390.05		300,390.05
North Algona-Wilberforce Tp	29,646.37		29,646.37
Petawawa, Town of	267,080.96		267,080.96
Whitewater Region Tp	186,602.85		186,602.85
<b>Sub-Total</b>	<b>1,947,367.31</b>	<b>0.00</b>	<b>1,947,367.31</b>

Table 2

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

Municipality	Licences	Wayside Permits	Total
<b><i>Simcoe</i></b>			
Adjala-Tosorontio Tp/New Tecumseth, Town of	102,313.63		102,313.63
Clearview Tp	1,086,880.25		1,086,880.25
Collingwood, Town of/Essa Tp/Innisfil, Town of	100,456.28		100,456.28
Midland, Town of/Penetanguishine, Town of/	251,054.02		251,054.02
Oro-Medonte Tp	2,689,530.14		2,689,530.14
Ramara Tp	2,480,375.35		2,480,375.35
Severn Tp	3,468,712.36		3,468,712.36
Springwater Tp	1,030,181.10		1,030,181.10
Tay Tp	120,585.43		120,585.43
Tiny Tp	88,207.83		88,207.83
<b>Sub-Total</b>	<b>11,418,296.39</b>	<b>0.00</b>	<b>11,418,296.39</b>
<b><i>Stormont, Dundas &amp; Glengarry</i></b>			
North Dundas Tp	502,354.29		502,354.29
North Glengarry Tp	66,245.96		66,245.96
North Stormont Tp	1,028,639.02		1,028,639.02
South Dundas Tp	259,426.68		259,426.68
South Glengarry Tp	204,850.33		204,850.33
South Stormont Tp	738,534.24		738,534.24
<b>Sub-Total</b>	<b>2,800,050.52</b>	<b>0.00</b>	<b>2,800,050.52</b>
<b><i>Sudbury District</i></b>			
Baldwin Tp	54,625.56		54,625.56
French River, Municipality of	81,733.90		81,733.90
Killarny, Municipality of/Nairn & Hyman Tp	6,362.86		6,362.86
Markstay-Warren, Municipality of	33,303.48		33,303.48
Sables Spanish Rivers Tp/Espanola, Town of	54,679.95		54,679.95
Sudbury District, Unorganized	367,328.20		367,328.20
<b>Sub-Total</b>	<b>598,033.95</b>	<b>0.00</b>	<b>598,033.95</b>
<b><i>Thunder Bay District</i></b>			
Conmee, Tp	285,208.56		285,208.56
Neebing, Municipality of	19,733.36		19,733.36
Oliver Paipoonge, Municipality of/Thunder Bay, City of	219,225.17		219,225.17
Shuniah, Tp	226,850.47		226,850.47
Thunder Bay District, Unorganized	229,494.05		229,494.05
<b>Sub-Total</b>	<b>980,511.61</b>	<b>0.00</b>	<b>980,511.61</b>
<b><i>Waterloo</i></b>			
Cambridge, City of/Kitchener, City of	156,719.05		156,719.05
North Dumfries Tp	5,476,571.14		5,476,571.14
Wellesley Tp	1,448,378.92		1,448,378.92
Wilmot Tp	1,561,587.36		1,561,587.36
Woolwich Tp	336,319.40		336,319.40
<b>Sub-Total</b>	<b>8,979,575.87</b>	<b>0.00</b>	<b>8,979,575.87</b>

Table 2

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

<b>Municipality</b>	<b>(Reported in Metric Tonnes)</b>	<b>Licences</b>	<b>Wayside Permits</b>	<b>Total</b>
<b>Wellington</b>				
Centre Wellington Tp		811,749.09		811,749.09
Erin, Town of		1,785,957.92		1,785,957.92
Guelph-Eramosa Tp		464,299.34		464,299.34
Mapleton Tp		114,276.93		114,276.93
Minto, Town of		245,790.44		245,790.44
Puslinch Tp		3,524,854.47		3,524,854.47
Wellington North Tp		117,339.71		117,339.71
<b>Sub-Total</b>		<b>7,064,267.90</b>	<b>0.00</b>	<b>7,064,267.90</b>
<b>York</b>				
East Gwillimbury, Town of		136,801.72		136,801.72
Georgina, Town of		15,065.44		15,065.44
Whitchurch-Stouffville, Town of		1,119,946.34		1,119,946.34
<b>Sub-Total</b>		<b>1,271,813.50</b>	<b>0.00</b>	<b>1,271,813.50</b>
<b>GRAND TOTAL</b>		<b>142,856,997.97</b>	<b>350,000.00</b>	<b>143,206,997.97</b>

Table 3

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

<b>Municipality</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Algoma, District of	2.8	2.9	2.6	2.9	2.9	2.6	2.4	2.7	2.9	2.8
Brant Co.	2.3	2.2	1.4	1.9	1.7	1.7	1.7	1.6	1.9	1.7
Bruce Co.	2.4	2.0	1.7	2.3	1.7	1.5	1.4	1.8	2.0	1.5
Chatham-Kent, R. M. of	0.3	0.2	0.3	0.3	0.4	0.2	0.3	0.2	0.2	0.3
Dufferin Co.	3.0	3.1	2.7	2.7	2.3	2.2	2.3	2.7	2.3	2.2
Durham, R. M. of	11.7	10.0	8.3	9.6	10.2	9.9	10.1	10.3	10.0	9.5
Elgin Co.	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.4
Essex Co.	1.7	1.6	1.7	2.6	2.0	2.0	2.1	1.6	1.9	1.9
Frontenac Co.	2.1	2.9	2.6	2.3	2.2	1.9	2.0	2.0	1.8	1.5
Greater Sudbury, City of	2.7	3.2	2.1	2.5	3.1	2.7	2.6	2.8	3.1	2.6
Grey Co.	3.2	3.3	2.9	3.5	3.0	2.6	2.8	3.2	4.1	3.7
Haldimand Co.	1.4	1.3	1.1	1.4	1.2	1.3	1.2	1.5	0.8	1.1
Haliburton Co.	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4
Halton, R. M. of	9.5	8.5	6.9	7.2	8.7	7.4	6.8	7.7	7.2	6.6
Hamilton, City of	5.6	5.7	4.9	5.3	5.0	5.0	4.9	5.2	5.9	5.9
Hastings Co.	2.6	3.0	3.4	3.5	3.1	2.7	2.5	3.1	2.8	2.8
Huron Co.	2.9	2.9	3.0	2.5	2.8	2.5	2.7	3.7	3.1	3.1
Kawartha Lakes, City of	5.9	5.5	4.5	4.6	4.7	5.1	4.3	5.5	7.0	6.5
Lambton Co.	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.7	0.6	0.5
Lanark Co.	2.3	1.9	2.5	2.9	1.8	1.5	1.8	1.7	1.9	1.8
Leeds & Grenville Co.'s	2.0	2.3	2.1	2.6	2.0	2.1	1.9	2.2	1.9	2.0
Lennox & Addington Co.	2.0	2.0	2.0	2.4	2.2	2.2	1.8	2.0	2.4	2.0
Manitoulin, District of	3.6	3.9	2.9	3.6	3.2	2.5	2.2	2.8	2.9	3.0
Middlesex Co.	5.2	4.8	4.3	4.8	4.0	3.8	3.6	3.6	3.6	3.8
Muskoka	2.1	2.1	2.3	2.4	2.1	1.9	2.1	2.0	2.3	2.2
Niagara, R. M. of	4.0	4.0	3.9	4.6	3.9	4.7	4.6	4.3	5.0	5.1
Nipissing, District of	1.3	1.2	1.2	1.1	1.1	1.2	1.0	1.1	1.1	1.0
Norfolk Co.	0.5	0.5	0.4	0.5	0.5	0.8	1.0	0.8	0.6	0.7
Northumberland Co.	3.4	3.0	2.8	3.1	2.7	3.1	2.6	2.6	3.1	3.4
Ottawa, City of	11.4	11.2	11.0	12.7	10.9	10.6	9.6	10.0	9.7	8.7
Oxford Co.	7.1	5.8	4.9	5.2	4.9	5.6	5.8	6.3	5.8	6.4
Parry Sound, District of	1.5	1.8	2.4	3.5	2.1	1.5	1.2	1.4	1.2	1.5
Peel, R. M. of	4.7	3.8	3.6	3.9	3.6	3.9	3.6	4.0	3.5	2.6
Perth Co.	2.1	1.9	1.9	2.7	2.2	2.1	1.8	2.5	2.6	2.6
Peterborough Co.	2.9	3.2	3.2	3.3	3.2	2.6	2.6	2.7	3.1	3.1
Prescott & Russell Co.'s	1.4	1.7	1.7	1.6	1.6	1.5	1.3	1.5	1.5	1.4
Prince Edward Co.	2.4	2.4	1.6	1.7	1.6	1.6	1.3	1.5	1.3	1.6
Renfrew Co.	2.3	2.1	2.3	2.3	2.2	2.2	1.9	1.9	2.1	1.9
Simcoe Co.	12.0	12.1	10.5	10.3	10.7	10.5	10.1	11.4	13.4	11.4
Stormont, Dundas & Glengarry Co.'s	2.8	3.2	3.4	3.3	4.1	3.5	3.2	2.8	2.5	2.8
Sudbury, District of	1.7	1.1	0.8	0.8	0.9	1.0	0.8	0.9	0.9	0.6
Thunder Bay, District of	0.3	0.7	1.0	0.8	1.0	1.1	0.8	0.9	0.5	1.0
Waterloo, R. M. of	8.2	7.9	7.1	7.5	7.8	7.3	6.9	6.9	8.7	9.0
Wellington Co.	9.0	8.0	6.6	6.8	6.5	7.0	6.5	6.4	7.1	7.1
York, R. M. of	0.7	1.1	1.0	0.7	0.6	0.9	0.7	0.6	1.1	1.3
<b>TOTAL</b>	<b>158.9</b>	<b>153.8</b>	<b>139.0</b>	<b>151.7</b>	<b>143.7</b>	<b>139.3</b>	<b>132.0</b>	<b>142.0</b>	<b>148.1</b>	<b>143.2</b>

Note: Totals may not equal due to rounding.



Table 4

**LICENCE PRODUCTION IN 2016  
THE TOP TEN PRODUCING MUNICIPALITIES  
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2016 Production	Production(2)				
			2015	2014	2013	2012	2011
1 City of Ottawa	City of Ottawa	8.7	9.7	10.0	9.6	10.6	10.9
2 City of Kawartha Lakes	City of Kawartha Lakes	6.5	7.0	5.5	4.3	5.1	4.7
3 City of Hamilton	City of Hamilton	5.9	5.9	5.2	4.9	5.0	5.0
4 Township of North Dumfries	Waterloo	5.5	5.4	4.2	4.1	4.4	4.5
5 Municipality of Clarington	Durham	5.5	5.8	5.5	5.3	5.1	5.0
6 City of Burlington/ Town Of Halton Hills (3)	Halton	5.3	2.4	2.2	2.1	3.1	3.8
7 Township of Zorra	Oxford	4.7	4.1	4.9	4.1	4.1	3.6
8 Township of Puslinch	Wellington	3.5	3.9	3.5	3.5	3.8	3.1
9 Severn Township	Simcoe	3.5	4.0	3.7	3.0	3.1	2.7
10 Township of Uxbridge	Wellington	2.8	3.0	3.6	3.7	3.6	3.9
<b>Total</b>		<b>51.9</b>	<b>51.2</b>	<b>48.3</b>	<b>44.6</b>	<b>47.9</b>	<b>47.2</b>

## Notes:

1. Municipalities are ranked in order of their licenced production for 2016.
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)	134	118	16	117	17	0	0
Aylmer	297	236	61	283	8	6	0
Bancroft	263	99	164	188	35	40	0
Guelph (Cambridge)	458	399	59	419	36	3	0
Kemptville	465	292	173	318	122	25	0
Midhurst	485	374	111	418	62	5	0
North Bay	140	61	79	106	8	26	0
Parry Sound	292	117	175	187	10	95	0
Pembroke	222	78	144	198	13	11	0
Peterborough (Tweed)	518	292	226	416	85	17	0
Sault Ste. Marie	100	57	43	80	7	13	0
Sudbury	224	128	96	158	20	46	0
Thunder Bay	96	52	44	72	7	17	0
Wawa	2	2	0	1	0	1	0
<b>TOTAL</b>	<b>3,696</b>	<b>2,305</b>	<b>1,391</b>	<b>2,961</b>	<b>430</b>	<b>305</b>	<b>0</b>

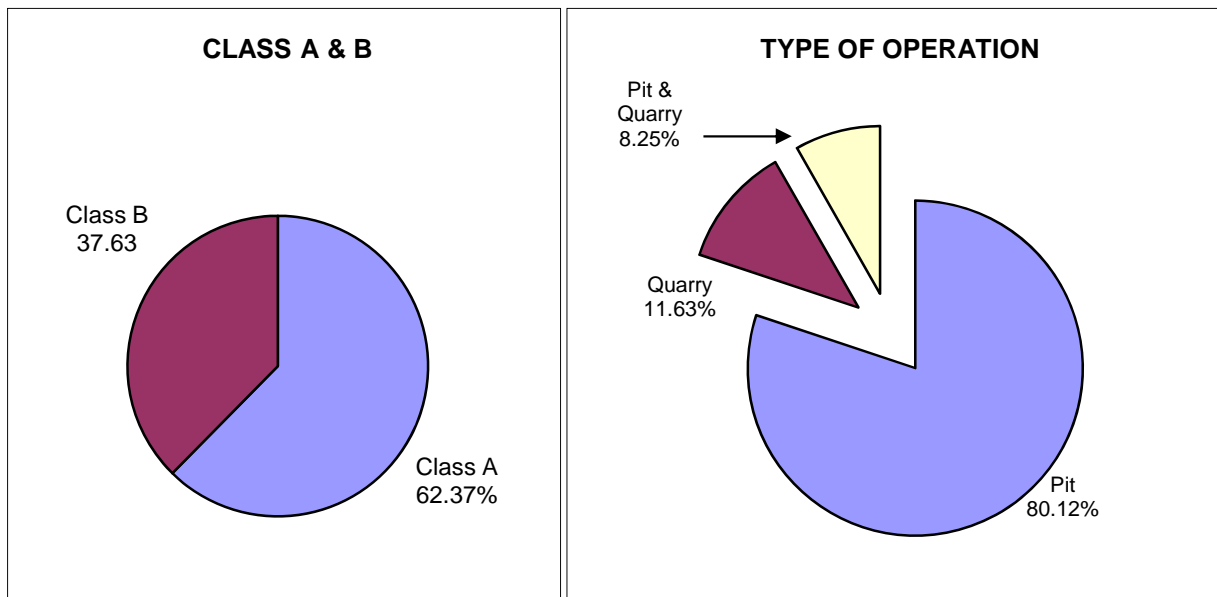
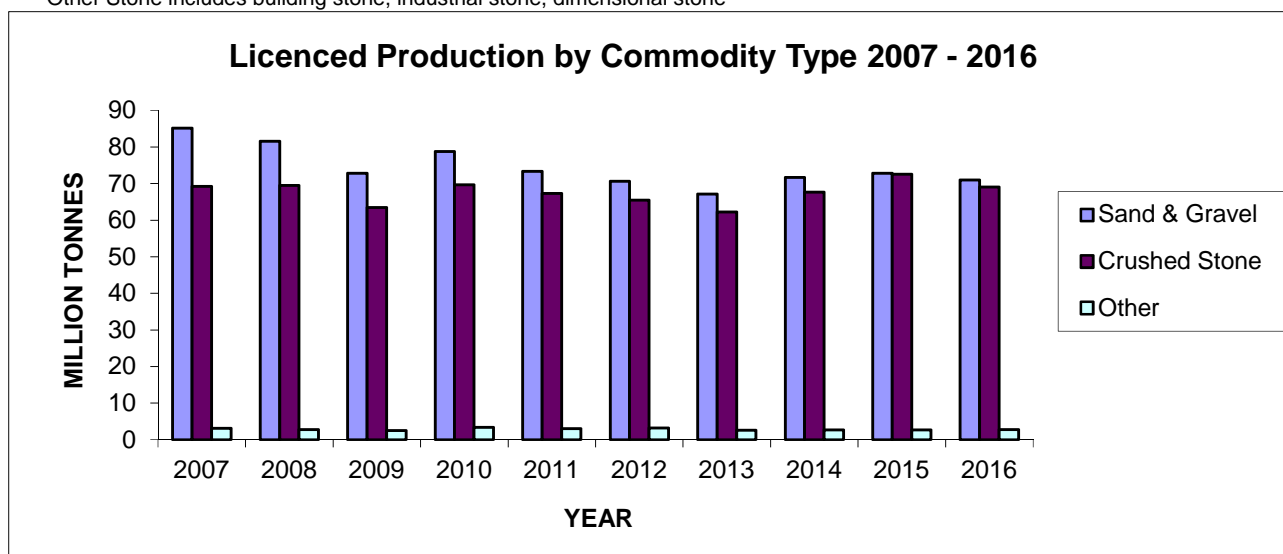


Table 6

**2016 LICENCED AGGREGATE PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	19,837,418.04	9,388,125.62	9,480,641.00	675,866.35	292,785.07
Aylmer	14,025,469.17	10,323,684.68	3,631,503.14	9,107.83	61,173.52
Bancroft	5,094,486.61	603,670.42	4,346,408.20	0.00	144,407.99
Guelph (Cambridge)	35,624,592.27	22,676,546.26	12,872,359.70	74,307.00	1,379.31
Kemptville	16,639,882.22	2,926,866.31	12,624,360.71	1,012.80	1,087,642.40
Midhurst	18,746,961.66	10,509,295.72	8,055,912.70	6,316.87	175,436.37
North Bay	1,383,545.22	866,798.38	501,578.59	0.00	15,168.25
Parry Sound	3,259,127.40	1,249,689.41	1,986,943.73	76.55	22,417.71
Pembroke	1,950,056.94	1,442,249.19	501,762.22	4,272.38	1,773.15
Peterborough	16,329,923.87	6,631,417.20	9,557,783.89	110,169.97	30,552.81
Sault Ste. Marie	2,794,673.92	1,130,308.75	1,661,828.04	2,215.63	321.50
Sudbury	6,190,349.04	2,405,609.07	3,747,070.01	34,117.66	3,552.30
Thunder Bay	980,511.61	854,059.55	126,321.41	0.00	130.65
<b>TOTAL</b>	<b>142,856,997.97</b>	<b>71,008,320.56</b>	<b>69,094,473.34</b>	<b>917,463.04</b>	<b>1,836,741.03</b>

Note: Totals may not equal due to rounding - Reported in metric tonnes  
Other Stone includes building stone, industrial stone, dimensional stone



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

	Total	Sand & Gravel	Crushed Stone	Other
2007	157.56	85.17	69.24	3.15
2008	153.80	81.55	69.52	2.73
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

Table 7

**2016 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

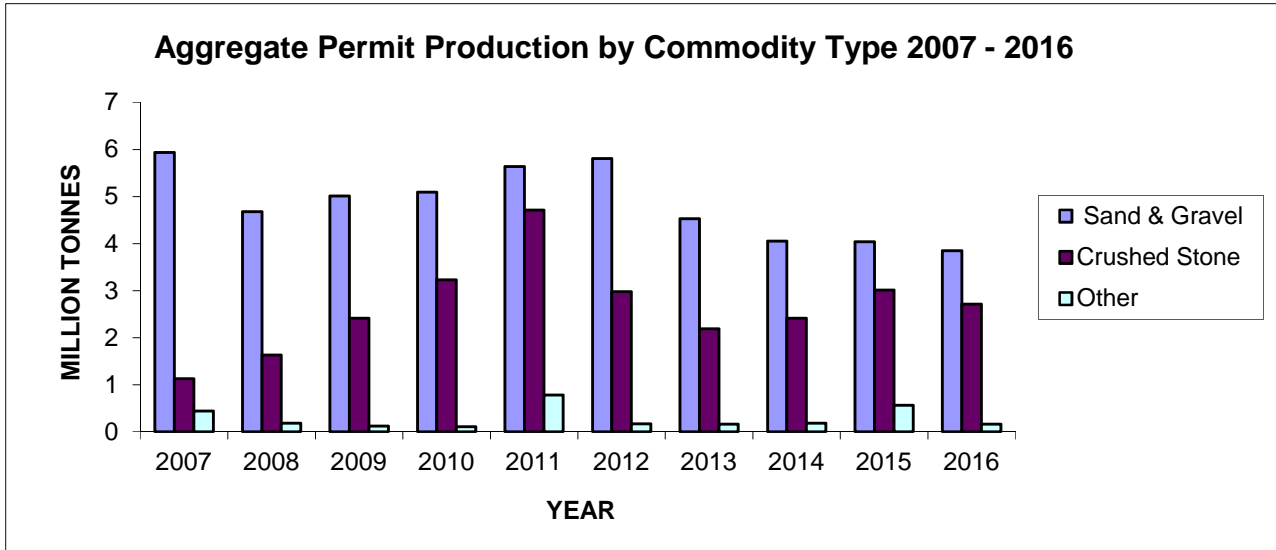
<b>Region/District</b>	<b>Total Production</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/Shale</b>	<b>Other Stone</b>
<b>NORTHEAST</b>					
Chapleau	113,454.63	113,454.63	-	-	-
Cochrane	574,306.38	177,869.44	396,436.94	-	-
Hearst	487,539.04	176,396.44	310,224.60	-	918.00
Kirkland Lake	202,227.27	202,227.27	-	-	-
North Bay	255,240.95	133,710.30	121,439.00	-	91.65
Sault Ste. Marie	134,808.10	134,808.10	-	-	-
Sudbury	1,162,832.79	523,217.99	639,583.30	-	31.50
Timmins	192,162.54	175,345.54	-	16,817.00	-
Wawa	124,551.64	108,699.92	15,851.72	-	-
<b>Sub-Total</b>	<b>3,247,123.34</b>	<b>1,745,729.63</b>	<b>1,483,535.56</b>	<b>16,817.00</b>	<b>1,041.15</b>
<b>NORTHWEST</b>					
Dryden	551,756.25	334,244.25	216,255.00	-	1,257.00
Fort Frances	707,542.39	606,806.63	98,168.76	-	2,567.00
Kenora	268,995.48	83,688.69	170,945.42	-	14,361.37
Nipigon	410,085.78	301,606.42	107,146.56	-	1,332.80
Red Lake	149,164.26	148,439.93	724.33	-	-
Sioux Lookout	280,798.13	205,843.13	74,955.00	-	-
Thunder Bay	278,348.52	272,828.82	5,479.00	-	40.70
<b>Sub-Total</b>	<b>2,646,690.81</b>	<b>1,953,457.87</b>	<b>673,674.07</b>	<b>-</b>	<b>19,558.87</b>
<b>SOUTHCENTRAL</b>					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	7,709.15	7,709.15	-	-	-
Bancroft	591,923.99	39,175.26	434,678.45	2,288.00	115,782.28
Guelph (Cambridge)	-	-	-	-	-
Kemptville	2,728.53	2,728.53	-	-	-
Midhurst	-	-	-	-	-
Parry Sound	57,874.33	25,903.09	31,374.24	-	597.00
Pembroke	77,010.20	77,010.20	-	-	-
Peterborough (Tweed)	91,043.95	-	91,043.95	-	-
<b>Sub-Total</b>	<b>828,290.15</b>	<b>152,526.23</b>	<b>557,096.64</b>	<b>2,288.00</b>	<b>116,379.28</b>
<b>TOTAL</b>	<b>6,722,104.30</b>	<b>3,851,713.73</b>	<b>2,714,306.27</b>	<b>19,105.00</b>	<b>136,979.30</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2016 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported By Year)**



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

	Total	Sand & Gravel	Crushed Stone	Other
2007	7.51	5.94	1.13	0.44
2008	6.49	4.68	1.63	0.18
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	6.72	3.85	2.71	0.16

Table 9

**2016 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)	7,709	7,709	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)	695,613	51,223	525,722	2,288	116,379
East (6)	80,340	80,340	0	0	0
Northeast (7)	2,952,712	1,435,796	1,499,058	16,817	1,041
Northwest (8)	2,985,730	2,276,646	689,526	0	19,559
<b>TOTAL</b>	<b>6,722,104</b>	<b>3,851,714</b>	<b>2,714,306</b>	<b>19,105</b>	<b>136,979</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

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

**2016 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)	18,920,521	14,273,996	4,546,504	37,693	62,328
Peninsula (2)	14,565,186	2,845,340	11,673,899	45,722	225
West Central (3)	34,911,316	26,390,190	8,339,373	6,317	175,436
GTA (4)	19,840,768	9,390,626	9,480,641	675,866	293,635
East Central (5)	20,034,033	7,533,239	12,227,755	88,213	184,825
East (6)	22,136,958	4,874,763	16,136,143	27,318	1,098,733
Northeast (7)	8,672,030	3,715,458	4,901,349	34,118	21,106
Northwest (8)	3,776,186	1,984,708	1,788,809	2,216	452
<b>TOTAL</b>	<b>142,856,998</b>	<b>71,008,321</b>	<b>69,094,473</b>	<b>917,463</b>	<b>1,836,741</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

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

Table 10

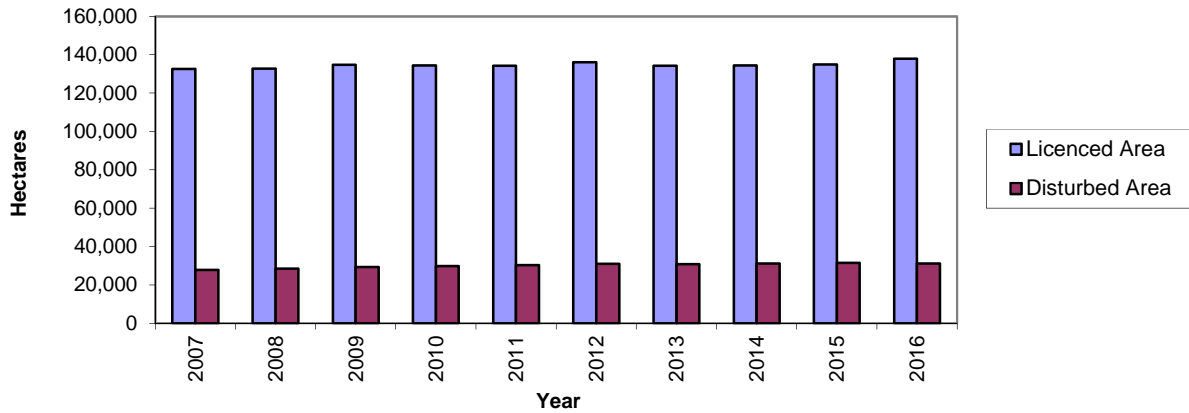
**REHABILITATION OF  
LICENCED AGGREGATE SITES IN 2016  
(Reported by MNR District)**

District	Total No. of Licences	Total Licenced Area	Original Disturbed Area	New Disturbed Area	New Rehab. Area	Total Disturbed Area
Aurora (GTA)	134	8,067.87	2,670.84	82.50	106.35	2,646.99
Aylmer	297	8,617.13	2,791.29	122.85	169.41	2,744.73
Bancroft	263	9,577.98	1,202.22	84.40	17.70	1,268.92
Guelph (Cambridge)	458	16,665.08	5,181.34	302.02	171.72	5,311.64
Kemptville	465	14,393.76	4,580.67	52.02	78.99	4,553.70
Midhurst	485	16,144.52	4,214.02	234.01	124.88	4,323.15
North Bay	140	6,689.98	786.20	17.97	0.03	804.14
Parry Sound	292	9,350.23	2,065.94	39.04	14.16	2,090.83
Pembroke	222	5,773.87	870.62	30.14	14.40	886.36
Peterborough (Tweed)	518	15,420.90	3,986.46	129.33	200.71	3,915.09
Sault Ste. Marie	100	4,045.59	769.01	45.50	68.27	746.24
Sudbury	224	16,156.50	1,651.36	30.59	27.27	1,654.68
Thunder Bay	96	6,990.92	346.78	271.20	39.81	578.18
Wawa	2	46.87	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>3,696</b>	<b>137,941.20</b>	<b>31,116.75</b>	<b>1,441.58</b>	<b>1,033.69</b>	<b>31,524.64</b>

Note: Areas reported in hectares

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

**Total Licenced & Disturbed Area 2007 - 2016**



**New Rehabilitated & Disturbed Area 2007 - 2016**

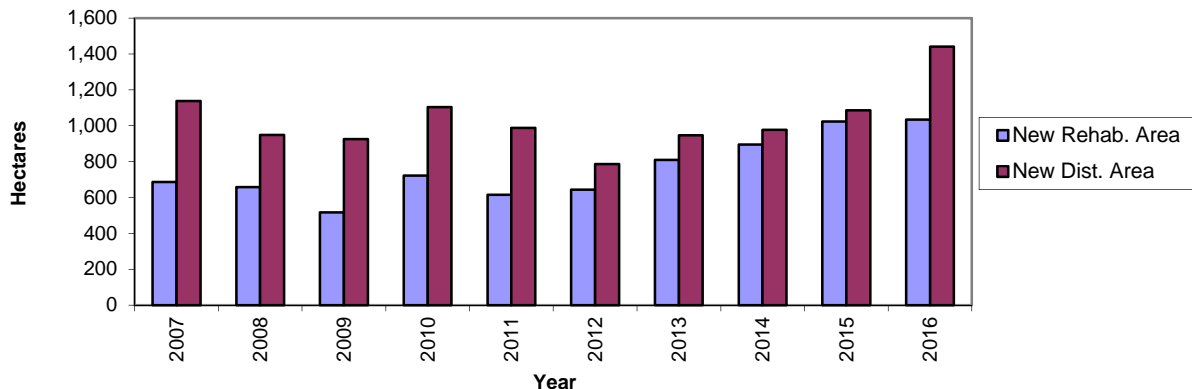


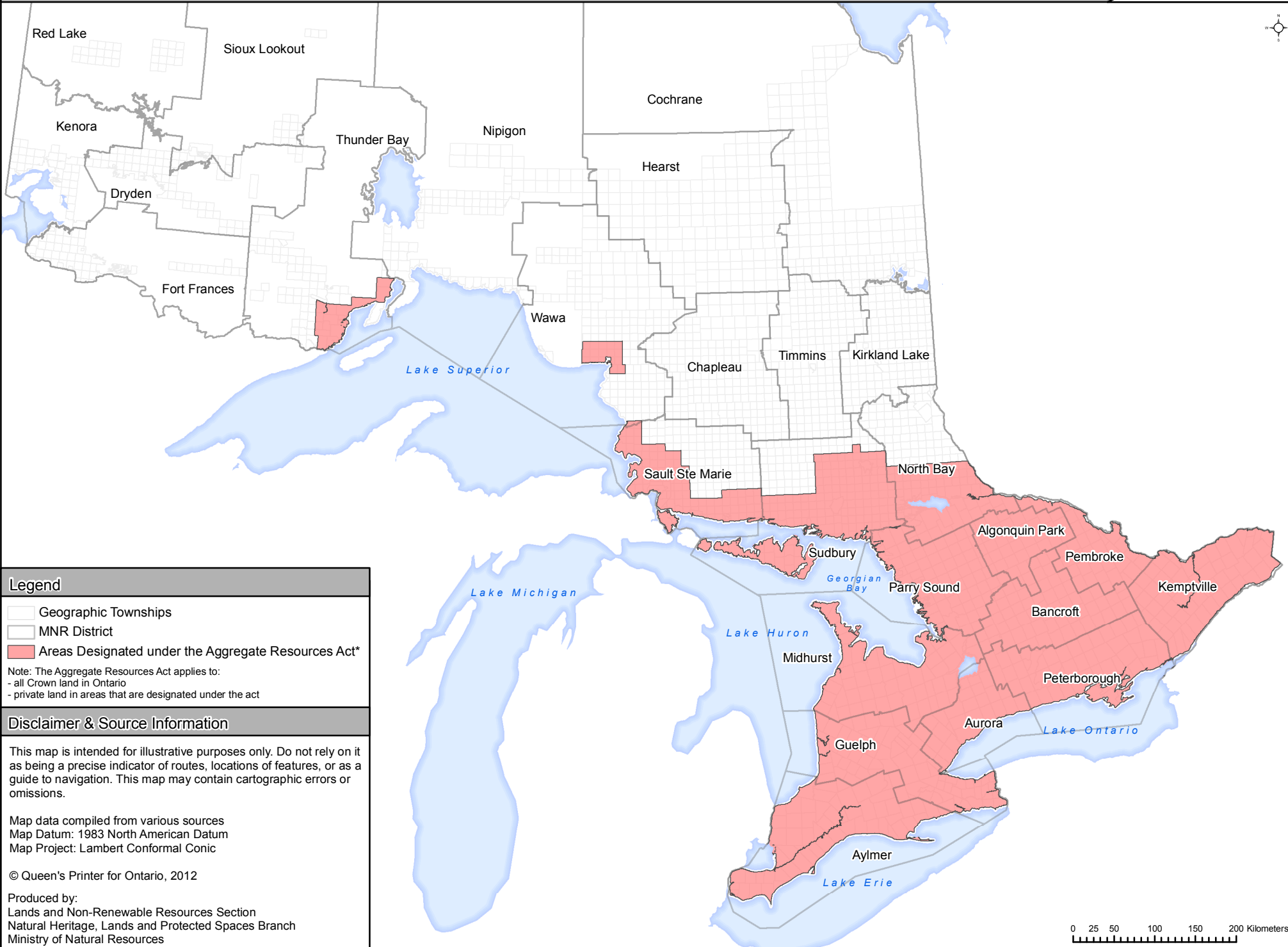
Table 11

**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	1,260.40	92	88	4	0	0
Cochrane	3,323.60	118	101	10	7	0
Hearst	3,865.82	189	162	25	2	0
Kirkland Lake	2,000.08	150	138	9	3	0
North Bay	3,206.63	193	152	31	10	0
Sault Ste. Marie	1,097.09	90	84	4	2	0
Sudbury	4,981.76	159	118	24	17	0
Timmins	2,175.71	142	127	9	6	0
Wawa	2,423.11	173	156	10	7	0
<b>Sub-Total</b>	<b>24,334.20</b>	<b>1,306</b>	<b>1,126</b>	<b>126</b>	<b>54</b>	<b>0</b>
<b>NORTHWEST</b>						
Dryden	2,453.66	173	168	9	11	0
Fort Frances	2,364.62	206	187	7	16	0
Kenora	3,034.21	175	133	25	19	0
Nipigon	3,523.26	217	186	17	19	0
Red Lake	1,258.68	69	65	5	2	0
Sioux Lookout	2,143.91	84	77	2	3	0
Thunder Bay	4,196.21	160	117	25	12	0
<b>Sub-Total</b>	<b>18,974.55</b>	<b>1,084</b>	<b>933</b>	<b>90</b>	<b>82</b>	<b>0</b>
<b>SOUTHCENTRAL</b>						
Aurora	4.90	1	1	0	0	0
Aylmer	0.10	1	0	0	0	1
Bancroft	1,383.80	69	53	16	0	0
Guelph (Cambridge)	620.00	1	0	0	0	1
Kemptville	2.00	1	1	0	0	0
Parry Sound	975.18	87	60	19	8	0
Pembroke	145.92	34	34	0	0	0
Peterborough (Tweed)	31.40	2	0	1	1	0
<b>Sub-Total</b>	<b>3,163.30</b>	<b>196</b>	<b>149</b>	<b>36</b>	<b>9</b>	<b>2</b>
<b>TOTAL</b>	<b>46,472.05</b>	<b>2,586</b>	<b>2,208</b>	<b>252</b>	<b>145</b>	<b>2</b>



# 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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Produced by:  
Lands and Non-Renewable Resources Section  
Natural Heritage, Lands and Protected Spaces Branch  
Ministry of Natural Resources



# 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		



Ontario Ministry of Natural Resources and Forestry - Contact Information

Aggregate Inspectors/Officers

		<u>TELEPHONE</u>	<u>EXT</u>	<u>FAX</u>
<b>Algonquin</b>	Henry Checko	613-637-2780		613-637-2864
<b>Aurora District</b>	Emily Moore Kayla Stephenson	905-713-7396 905-713-7388		905-713-7361 905-713-7361
<b>Aylmer District</b>	Stephen Douglas Vacant	519-773-4716		519-773-9014
<b>Bancroft District</b> Haliburton Highlands Minden	Paul Shalla Jeff Schosser Scott Bird	613-332-3940 705-646-5526 705-286-5223	208	613-332-0608 705-646-8372 705-286-4355
<b>Cochrane</b>	Chris Waslyk	705-272-7194		705-272-7183
<b>Chapleau</b>	Andrew Orton	705-864-3153		705-864-0681
<b>Dryden</b>	Mike Durocher	807-223-7552		807-223-2825
<b>Espanola/Manitoulin</b>	Prabin Sharma	705-564-7863		705-564-7879
<b>Fort Frances</b>	Sonya Zuber	807-274-8609		807-274-4438
<b>Guelph District</b>	Diane Schwier Seana Richardson	519-826-4930 519-826-4927		519-826-4929 519-826-4929
<b>Guelph District, Huron/Perth Office</b>	Vacant			
<b>Hearst</b>	Veronique Felardeau	705-372-2222		705-272-7184
<b>Kemptville District</b>	Christopher Bierman Jennifer Tighe Olissia Stechishen	613-258-8264 613-258-8364 613-258-8207		613-258-3920 613-258-3920 613-258-3920
<b>Kenora</b>	Sonya Zuber	807-274-8609		807-274-4438
<b>Kirkland Lake</b>	Travis Brunet	705-235-1315		705-235-1377
<b>Midhurst District</b> <b>Midhurst District, Owen Sound Office</b>	Brent Armstrong Jason McLay	705-725-7532 519-371-8470		705-725-7584 519-372-3305
<b>Nipigon</b>	Herb Neubrand	807-887-5028		807-854-0335
<b>North Bay</b>	Remi Labreche	705-475-5531		705-475-5500
<b>Parry Sound</b> Bracebridge	Sid Larson Jeff Schosser	705-773-4233 705-646-5526		705-746-8828 705-646-8372
<b>Pembroke District</b>	Donald Lewis Shane Stewart	613-732-5516 613-732-5562		613-732-2972 613-732-2972
<b>Peterborough District</b> <b>Peterborough District, Kingston Office</b>	Pankaj Vaishnav Rose Copland Darren Bonnenberg Todd Baker	705-755-3109 705-755-3110 613-531-5735 613-531-5712		705-755-3125 705-755-3125 613-531-5730 613-531-5730
<b>Red Lake</b>	Mike Durocher	807-223-7552		807-223-2825
<b>Sioux Lookout</b>	Mike Durocher	807-223-7552		807-223-2825
<b>Sudbury</b>	Kendall Haddow	705-564-7855		705-564-7879
<b>Sault Ste. Marie</b>	Steve Acorn	705-941-5132		705-949-6450
<b>Thunder Bay</b>	Calinda Manning	807-475-1167		807-475-1527
<b>Timmins</b>	Travis Brunet	705-235-1315		705-235-1377
<b>Wawa</b>	Corey Young	705-856-4751		705-856-7511

Go to <http://www.toarc.com/permits-licenses/mnr-contacts.html> for the most current listing of MNR Inspectors.

## 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.

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