



AGGREGATE RESOURCES STATISTICS IN ONTARIO

PRODUCTION STATISTICS 2017

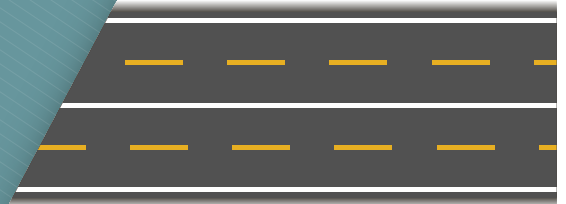
DID YOU KNOW?

1,760

TRUCKLOADS



1KM



1 km of 4-lane highway

3,760

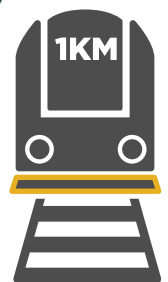
TRUCKLOADS



A 32,000m² 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

2017

READER'S NOTE

The information in this document is based on production statistics reported to March 31, 2018. This document will be revised following December 31st, 2018 and will be considered final at that time. It is believed that aggregate production for 2017 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 2017, there were 3,668 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,575 aggregate permits on Crown land and 2 wayside permits.

Aggregate Production

Overall production of mineral aggregates in 2017 totaled approximately 163 million tonnes, up 9 million tonnes or 5.8% from the previous year. Production from licenced operations was up 9 million tonnes or 6.3% compared to 2016. Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. Wayside permit production remained the same on small volumes (.35 million in 2016 and 2017). Production from aggregate permits on Crown Land decreased 1.5% from 2016 (6.7 million in 2017 from 6.8 million tonnes in 2016).

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

Table 1

AGGREGATE PRODUCTION IN ONTARIO - 2005 - 2017
(rounded to nearest million tonnes)

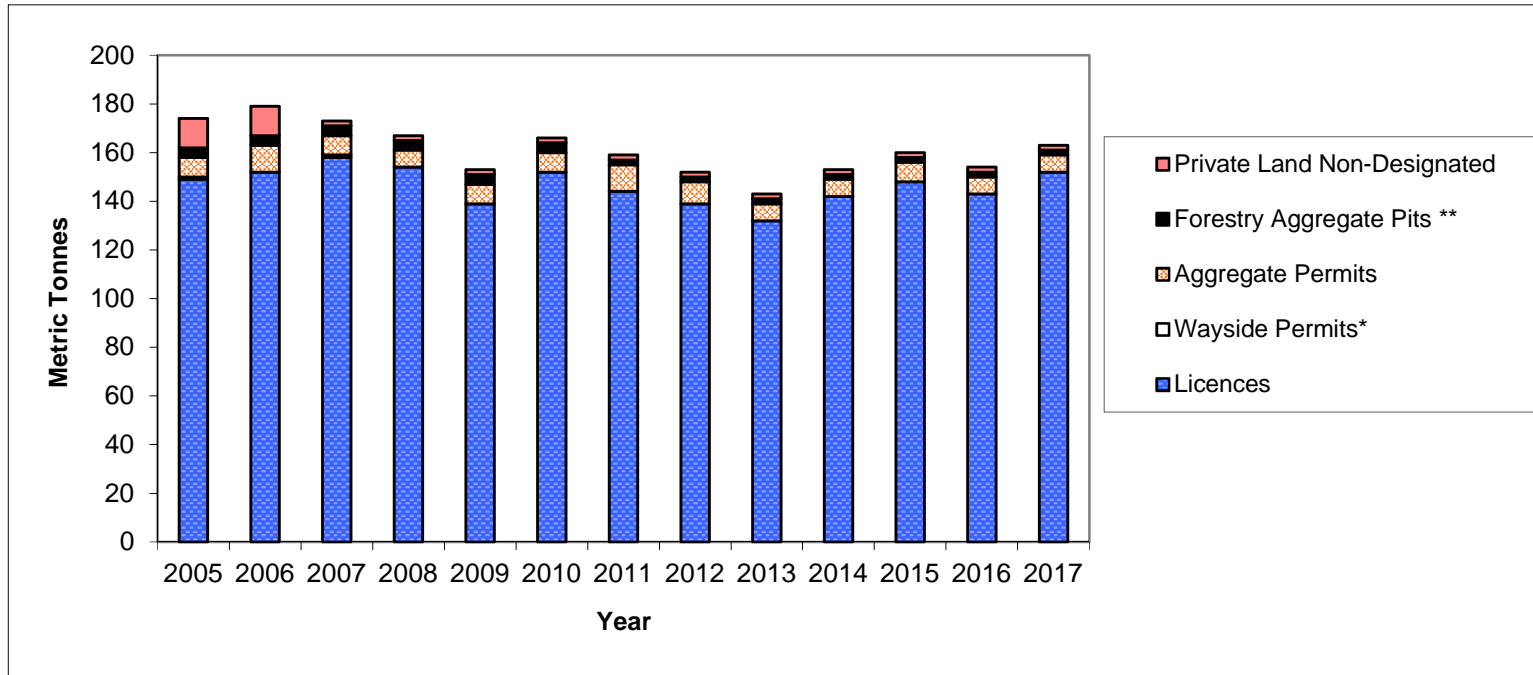
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Licences	149	152	158	154	139	152	144	139	132	142	148	143	152
Wayside Permits*	1	0	1	0	0	0	0	0	0	0	0	0	0
Aggregate Permits	8	11	8	7	8	8	11	9	7	7	8	7	7
Forestry Aggregate Pits **	4	4	4	4	4	4	2	2	2	2	2	2	2
Private Land Non-Designated (estimated)	12	12	2	2	2	2	2	2	2	2	2	2	2
ONTARIO TOTAL	174	179	173	167	153	166	159	152	143	153	160	154	163

*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, .35 million tonnes for 2017; ** 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
<i>Algoma District</i>			
Algoma District, Unorganized	192,455.27		192,455.27
Blind River, Town of	36,853.16		36,853.16
Bruce Mines, Town of/Plummer Additional Tp	1,588,659.24		1,588,659.24
Elliot Lake, City of/Spanish, Town of/The North Shore, Tp	34,024.16		34,024.16
Hilton Tp	63,407.72		63,407.72
Huron Shores, Municipality of	667,753.28		667,753.28
Jocelyn Tp	13,123.44		13,123.44
Johnson Tp/Tarbutt & Tarbutt Add'l Tp/St. Joseph Tp	33,266.80		33,266.80
Macdonald, Meredith & Aberdeen Add'l Tp	8,905.00		8,905.00
Sault Ste. Marie, City of/Prince Tp	479,994.71		479,994.71
Sub-Total	3,118,442.78	0.00	3,118,442.78
<i>Brant</i>			
Brant, County of/Brantford, City of	2,151,923.40		2,151,923.40
Sub-Total	2,151,923.40	0.00	2,151,923.40
<i>Bruce</i>			
Arran-Elderslie, Municipality of	171,004.15		171,004.15
Brockton, Municipality of	71,330.86		71,330.86
Huron-Kinloss Tp	333,162.71		333,162.71
Kincardine, Municipality of	79,576.58		79,576.58
Northern Bruce Peninsula, Municipality of	138,910.69		138,910.69
Saugeen Shores, Town of	176,161.87		176,161.87
South Bruce Peninsula, Town of	233,215.15		233,215.15
South Bruce, Municipality of	438,934.43		438,934.43
Sub-Total	1,642,296.44	0.00	1,642,296.44
<i>Chatham-Kent</i>			
Chatham-Kent, Municipality of	236,840.00		236,840.00
Sub-Total	236,840.00	0.00	236,840.00
<i>Dufferin</i>			
Amaranth Tp/East Luther Grand Valley Tp	69,834.95		69,834.95
East Garafraxa Tp	982,706.92		982,706.92
Melancthon Tp	952,307.55		952,307.55
Mono Tp	53,902.60		53,902.60
Mulmur Tp	157,692.28		157,692.28
Sub-Total	2,216,444.30	0.00	2,216,444.30
<i>Durham</i>			
Brock Tp	1,133,500.52		1,133,500.52
Clarington, Municipality of	4,913,613.27		4,913,613.27
Oshawa, City of/Scugog Tp	202,067.47		202,067.47
Uxbridge Tp	3,079,267.21		3,079,267.21
Sub-Total	9,328,448.47	0.00	9,328,448.47
<i>Elgin</i>			
Bayham/West Elgin, Municipality of/Malahide Tp	218,658.42		218,658.42
Central Elgin, Municipality of	243,339.48		243,339.48
Sub-Total	461,997.90	0.00	461,997.90

Table 2

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

Municipality	(Reported in Metric Tonnes)	Licences	Wayside Permits	Total
Essex				
Amherstburg, Town of/Leamington, Municipality of/Pelee Tp		1,853,027.00		1,853,027.00
Kingsville, Town of		445,182.67		445,182.67
Sub-Total		2,298,209.67	0.00	2,298,209.67
Frontenac				
Central Frontenac Tp		98,001.07		98,001.07
Frontenac Islands Tp		51,690.88		51,690.88
Kingston, City of		1,578,847.83		1,578,847.83
North Frontenac Tp		79,186.86		79,186.86
South Frontenac Tp		442,590.27		442,590.27
Sub-Total		2,250,316.91	0.00	2,250,316.91
Greater Sudbury				
Greater Sudbury, City of		2,528,865.38		2,528,865.38
Sub-Total		2,528,865.38	0.00	2,528,865.38
Grey				
Chatsworth Tp		533,651.76		533,651.76
Georgian Bluffs, Tp		447,131.92		447,131.92
Grey Highlands, Municipality of		1,197,379.09		1,197,379.09
Meaford, Municipality of		587,163.79		587,163.79
Southgate Tp		401,715.38		401,715.38
The Blue Mountains, Town of		384,624.62		384,624.62
West Grey, Municipality of		779,799.42		779,799.42
Sub-Total		4,331,465.98	0.00	4,331,465.98
Haldimand				
Haldimand, County of		1,034,066.92		1,034,066.92
Sub-Total		1,034,066.92	0.00	1,034,066.92
Haliburton				
Algonquin Highlands, Tp		71,877.00		71,877.00
Dysart et al, Tp		342,885.62		342,885.62
Highlands East, Tp		17,172.69		17,172.69
Minden Hills, TP		139,748.75		139,748.75
Sub-Total		571,684.06	0.00	571,684.06
Halton				
Burlington, City of/Halton Hills, Town of		4,661,211.82		4,661,211.82
Milton, Town of		923,257.00		923,257.00
Sub-Total		5,584,468.82	0.00	5,584,468.82
Hamilton				
Hamilton, City of		5,622,436.66		5,622,436.66
Sub-Total		5,622,436.66	0.00	5,622,436.66

Table 2

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

Municipality	Licences	Wayside Permits	Total
Hastings			
Bancroft, Town of	34,411.91		34,411.91
Belleville, City of	1,065,763.00		1,065,763.00
Carlo/Mayo Tp	11,665.00		11,665.00
Centre Hastings, Municipality of	224,546.25		224,546.25
Faraday Tp	19,597.92		19,597.92
Hasting Highlands, Municipality of	169,668.08		169,668.08
Limerick Tp	20,410.44		20,410.44
Madoc Tp	627,777.96		627,777.96
Marmora & Lake, Municipality of/Sterling-Rawdon Tp	13,351.82		13,351.82
Quinte West, City of	605,793.73		605,793.73
Tweed, Municipality of	43,755.60		43,755.60
Tyendinaga Tp	251,209.66		251,209.66
Wollaston Tp	31,410.24		31,410.24
Sub-Total	3,119,361.61	0.00	3,119,361.61
Huron			
Ashfield-Colborne-Wawanosh Tp	970,672.18		970,672.18
Bluewater, Municipality of	27,819.20		27,819.20
Central Huron, Municipality of	415,568.12	200,000.00	615,568.12
Howick Tp	619,405.16		619,405.16
Huron East, Municipality of	760,645.70		760,645.70
Morris-Turnberry, Municipality of	210,854.56		210,854.56
North Huron Tp	105,502.25		105,502.25
South Huron, Municipality of	92,381.92		92,381.92
Sub-Total	3,202,849.09	200,000.00	3,402,849.09
Kawartha Lakes			
Kawartha Lakes, City of	6,793,762.65		6,793,762.65
Sub-Total	6,793,762.65	0.00	6,793,762.65
Lambton			
Lambton Shores, Municipality of	194,611.91		194,611.91
Warwick Tp/Plympton-Wyoming, Town of	288,464.84		288,464.84
Sub-Total	483,076.75	0.00	483,076.75
Lanark			
Beckwith Tp/Drummond-North Elmsley Tp	236,709.46		236,709.46
Lanark Highlands Tp	1,214,360.30		1,214,360.30
Mississippi Mills, Town of	410,791.20		410,791.20
Montague Tp	180,687.05		180,687.05
Tay Valley Tp	31,584.68		31,584.68
Sub-Total	2,074,132.69	0.00	2,074,132.69

Table 2

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

Municipality	Licences	Wayside Permits	Total
Leeds & Grenville			
Athens Tp/Front of Yonge Tp/Leeds and Thousand Islands Tp	214,160.01		214,160.01
Augusta Tp	57,941.62		57,941.62
Edwardsburgh-Cardinal Tp	90,923.60		90,923.60
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of	320,142.96		320,142.96
Leeds and Thousand Islands Tp	480,396.46		480,396.46
North Grenville Tp	876,270.82		876,270.82
Rideau Lakes Tp	115,352.22		115,352.22
Sub-Total	2,155,187.69	0.00	2,155,187.69
Lennox & Addington			
Addington Highlands Tp	30,645.58		30,645.58
Greater Napanee, Town of	1,436,486.26		1,436,486.26
Loyalist Tp	646,934.96		646,934.96
Stone Mills Tp	108,120.17		108,120.17
Sub-Total	2,222,186.97	0.00	2,222,186.97
Manitoulin District			
Assignack, Tp/Billings Tp	26,518.70		26,518.70
Central Manitoulin Tp	50,750.73		50,750.73
Gordon/Barrie Island/Burpee & Mills, Tp/Cockburn Island, Tp	39,039.82		39,039.82
Northeastern Manitoulin & The Islands	112,337.80		112,337.80
Tehkummah, Tp	28,828.28		28,828.28
Unorganized - Manitoulin D	2,762,408.70		2,762,408.70
Sub-Total	3,019,884.03	0.00	3,019,884.03
Middlesex			
Adelaide Metcalfe Tp	266,820.05		266,820.05
London, City of	853,305.41		853,305.41
Lucan Biddulph Tp/North Middlesex, Municipality of	26,856.62		26,856.62
Middlesex Centre Tp	170,270.05		170,270.05
Strathroy-Caradoc Tp	10,058.56		10,058.56
Thames Centre, Municipality of	3,312,862.60		3,312,862.60
Sub-Total	4,640,173.29	0.00	4,640,173.29
Muskoka			
Bracebridge	886,770.43		886,770.43
Georgian Bay	6,378.26		6,378.26
Gravenhurst	190,689.66		190,689.66
Huntsville	1,129,825.28		1,129,825.28
Lake of Bays, Tp	207,697.43		207,697.43
Muskoka Lakes, Tp	316,441.24		316,441.24
Sub-Total	2,737,802.30	0.00	2,737,802.30
Niagara			
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp	2,374,815.33		2,374,815.33
Lincoln, Town of/Niagara-on-the-Lake, Town of	1,629,580.54		1,629,580.54
Niagara Falls, City of	853,470.15		853,470.15
Sub-Total	4,857,866.02	0.00	4,857,866.02

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<i>Nipissing District</i>			
Bonfield Tp/Calvin Tp	90,428.84		90,428.84
Calvin Tp/East Ferris, Municipality of	22,189.00		22,189.00
Chisholm Tp	25,661.00		25,661.00
Mattawan Tp/South Algonquin Tp/Unorganized - Nippissing D	18,748.52		18,748.52
North Bay, City of	280,732.05		280,732.05
Papineau-Cameron Tp	58,309.36		58,309.36
West Nipissing, Municipality of	296,298.96		296,298.96
Sub-Total	792,367.73	0.00	792,367.73
<i>Norfolk</i>			
Norfolk, County of	600,257.82		600,257.82
Sub-Total	600,257.82	0.00	600,257.82
<i>Northumberland</i>			
Alnwick-Haldimand Tp	330,925.43		330,925.43
Brighton, Municipality of	484,104.37		484,104.37
Cramahe Tp	1,901,347.61		1,901,347.61
Hamilton Tp	189,010.25		189,010.25
Port Hope, Municipality of	79,121.00		79,121.00
Trent Hills, Municipality of	221,633.05		221,633.05
Sub-Total	3,206,141.71	0.00	3,206,141.71
<i>Ottawa</i>			
Ottawa, City of	9,689,592.66		9,689,592.66
Sub-Total	9,689,592.66	0.00	9,689,592.66
<i>Oxford</i>			
Blandford-Blenheim Tp	607,866.74		607,866.74
East Zorra-Tavistock Tp/Norwich Tp	186,776.93		186,776.93
South-West Oxford Tp	1,479,302.31		1,479,302.31
Zorra Tp	5,140,951.81		5,140,951.81
Sub-Total	7,414,897.79	0.00	7,414,897.79
<i>Parry Sound District</i>			
Armour Tp/Burks Falls, Village of	38,138.84		38,138.84
Callander, Municipality of	59,016.00		59,016.00
Carling Tp/The Archipelago Tp	12,829.20		12,829.20
Joly Tp	40,679.50		40,679.50
Kearney, Town of	9,025.00		9,025.00
Macher Tp	60,824.39		60,824.39
Magnetawan, Municipality of	133,872.46		133,872.46
McDougall Tp/Parry Sound, Town of	56,718.11		56,718.11
McKeller Tp	6,557.42		6,557.42
McMurrich-Monteith Tp	25,270.12		25,270.12
Nipissing Tp	19,175.00		19,175.00
Perry Tp	30,794.17		30,794.17
Powassan, Municipality of	109,496.30		109,496.30
Ryerson Tp	27,569.75		27,569.75
Seguin Tp	439,467.14		439,467.14
Strong Tp	4,482.40		4,482.40
Unorganized - Parry Sound	175,670.04		175,670.04
Whitestone The Municipality of	27,997.26		27,997.26
Sub-Total	1,277,583.10	0.00	1,277,583.10

Table 2

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

(Reported in Metric Tonnes)

Municipality	Licences	Wayside Permits	Total
<i>Peel</i>			
Caledon, Town of	2,991,603.56	150,000.00	3,141,603.56
Sub-Total	2,991,603.56	150,000.00	3,141,603.56
<i>Perth</i>			
Perth East Tp/North Perth, Town of	649,336.96		649,336.96
Perth South Tp/St. Marys, Separated Town of	1,673,329.08		1,673,329.08
West Perth Tp	300,933.68		300,933.68
Sub-Total	2,623,599.72	0.00	2,623,599.72
<i>Peterborough</i>			
Asphodel-Norwood Tp	282,196.00		282,196.00
Cavan-Millbrook-North Monaghan Tp	150,979.30		150,979.30
Douro-Dummer Tp	562,001.42		562,001.42
Havelock-Belmont-Methuen Tp/North Kawartha Tp	1,275,043.85		1,275,043.85
Otonabee South Monaghan Tp	340,174.52		340,174.52
Selwyn Tp	307,836.43		307,836.43
Trent Lakes, Municipality of	901,065.19		901,065.19
Sub-Total	3,819,296.71	0.00	3,819,296.71
<i>Prescott & Russell</i>			
Alfred & Plantagenet Tp	359,707.70		359,707.70
Champlain Tp	629,428.80		629,428.80
Clarence-Rockland, City of	82,770.20		82,770.20
East Hawkesbury Tp	16,175.11		16,175.11
Russell Tp	46,866.29		46,866.29
The Nation, Municipality of	404,068.14		404,068.14
Sub-Total	1,539,016.24	0.00	1,539,016.24
<i>Prince Edward Co</i>			
Prince Edward, County of	1,402,253.13		1,402,253.13
Sub-Total	1,402,253.13	0.00	1,402,253.13
<i>Renfrew</i>			
Admaston-Bromley Tp/Renfrew, Town of	156,398.00		156,398.00
Bonnechere Valley Tp	134,637.50		134,637.50
Brudenell, Lyndoc and Raglan Tp	57,105.48		57,105.48
Deep River Tp/Head, Clara & Maria Tp	6,487.00		6,487.00
Greater Madawaska Tp	30,207.00		30,207.00
Horton Tp	379,767.45		379,767.45
Killaloe, Hagarty and Richards Tp	63,916.83		63,916.83
Laurentian Hills	65,101.79		65,101.79
Laurentian Valley Tp	483,215.89		483,215.89
Madawaska Valley	54,519.39		54,519.39
McNab-Braeside Tp	320,513.65		320,513.65
North Algona-Wilberforce Tp	27,222.93		27,222.93
Petawawa, Town of	356,645.41		356,645.41
Whitewater Region Tp	192,188.25		192,188.25
Sub-Total	2,327,926.57	0.00	2,327,926.57

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<i>Simcoe</i>			
Adjala-Tosorontio Tp/New Tecumseth, Town of	146,673.95		146,673.95
Clearview Tp	1,240,367.97		1,240,367.97
Collingwood, Town of/Essa Tp/Innisfil, Town of	95,305.27		95,305.27
Midland, Town of/Penetanguishine, Town of/	246,476.43		246,476.43
Oro-Medonte Tp	2,682,157.52		2,682,157.52
Ramara Tp	2,907,143.02		2,907,143.02
Severn Tp	4,048,266.29		4,048,266.29
Springwater Tp	1,361,420.74		1,361,420.74
Tay Tp	173,526.32		173,526.32
Tiny Tp	88,270.32		88,270.32
Sub-Total	12,989,607.83	0.00	12,989,607.83
<i>Stormont, Dundas & Glengarry</i>			
North Dundas Tp	636,374.72		636,374.72
North Glengarry Tp	115,933.56		115,933.56
North Stormont Tp	1,108,117.41		1,108,117.41
South Dundas Tp	112,287.98		112,287.98
South Glengarry Tp	196,573.36		196,573.36
South Stormont Tp	784,167.98		784,167.98
Sub-Total	2,953,455.01	0.00	2,953,455.01
<i>Sudbury District</i>			
Baldwin Tp	65,711.21		65,711.21
French River, Municipality of	106,496.29		106,496.29
Killarny, Municipality of/Nairn & Hyman Tp	52,619.00		52,619.00
Markstay-Warren, Municipality of	25,760.65		25,760.65
Sables Spanish Rivers Tp/Espanola, Town of	74,814.94		74,814.94
Sudbury District, Unorganized	301,994.21		301,994.21
Sub-Total	627,396.30	0.00	627,396.30
<i>Thunder Bay District</i>			
Conmee, Tp	193,450.06		193,450.06
Neebing, Municipality of	20,556.28		20,556.28
Oliver Paipoonge, Municipality of/Thunder Bay, City of	263,385.14		263,385.14
Shuniah, Tp	107,670.43		107,670.43
Thunder Bay District, Unorganized	702,066.78		702,066.78
Sub-Total	1,287,128.69	0.00	1,287,128.69
<i>Waterloo</i>			
Cambridge, City of/Kitchener, City of	282,588.56		282,588.56
North Dumfries Tp	5,607,593.37		5,607,593.37
Wellesley Tp	1,399,614.22		1,399,614.22
Wilmot Tp	1,306,221.97		1,306,221.97
Woolwich Tp	280,047.42		280,047.42
Sub-Total	8,876,065.54	0.00	8,876,065.54

Table 2

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

Municipality	Licences	Wayside Permits	Total
Wellington			
Centre Wellington Tp	1,061,061.93		1,061,061.93
Erin, Town of	1,611,031.80		1,611,031.80
Guelph-Eramosa Tp	420,782.95		420,782.95
Mapleton Tp	170,931.60		170,931.60
Minto, Town of	374,727.18		374,727.18
Puslinch Tp	4,636,514.43		4,636,514.43
Wellington North Tp	106,095.47		106,095.47
Sub-Total	8,381,145.36	0.00	8,381,145.36
York			
East Gwillimbury, Town of	111,846.37		111,846.37
Georgina, Town of	25,177.70		25,177.70
Whitchurch-Stouffville, Town of	559,388.96		559,388.96
Sub-Total	696,413.03	0.00	696,413.03
GRAND TOTAL	152,179,939.28	350,000.00	152,529,939.28

Table 3

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

Municipality	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Algoma, District of	2.9	2.6	2.9	2.9	2.6	2.4	2.7	2.9	2.8	3.1
Brant Co.	2.2	1.4	1.9	1.7	1.7	1.7	1.6	1.9	1.7	2.2
Bruce Co.	2.0	1.7	2.3	1.7	1.5	1.4	1.8	2.0	1.5	1.6
Chatham-Kent, R. M. of	0.2	0.3	0.3	0.4	0.2	0.3	0.2	0.2	0.3	0.2
Dufferin Co.	3.1	2.7	2.7	2.3	2.2	2.3	2.7	2.3	2.2	2.2
Durham, R. M. of	10.0	8.3	9.6	10.2	9.9	10.1	10.3	10.0	9.5	9.3
Elgin Co.	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.5
Essex Co.	1.6	1.7	2.6	2.0	2.0	2.1	1.6	1.9	1.9	2.3
Frontenac Co.	2.9	2.6	2.3	2.2	1.9	2.0	2.0	1.8	1.5	2.3
Greater Sudbury, City of	3.2	2.1	2.5	3.1	2.7	2.6	2.8	3.1	2.6	2.5
Grey Co.	3.3	2.9	3.5	3.0	2.6	2.8	3.2	4.1	3.7	4.3
Haldimand Co.	1.3	1.1	1.4	1.2	1.3	1.2	1.5	0.8	1.1	1.0
Haliburton Co.	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.6
Halton, R. M. of	8.5	6.9	7.2	8.7	7.4	6.8	7.7	7.2	6.6	5.6
Hamilton, City of	5.7	4.9	5.3	5.0	5.0	4.9	5.2	5.9	5.9	5.6
Hastings Co.	3.0	3.4	3.5	3.1	2.7	2.5	3.1	2.8	2.8	3.1
Huron Co.	2.9	3.0	2.5	2.8	2.5	2.7	3.7	3.1	3.0	3.2
Kawartha Lakes, City of	5.5	4.5	4.6	4.7	5.1	4.3	5.5	7.0	6.5	6.8
Lambton Co.	0.6	0.5	0.5	0.5	0.4	0.4	0.7	0.6	0.5	0.5
Lanark Co.	1.9	2.5	2.9	1.8	1.5	1.8	1.7	1.9	1.8	2.1
Leeds & Grenville Co.'s	2.3	2.1	2.6	2.0	2.1	1.9	2.2	1.9	2.0	2.2
Lennox & Addington Co.	2.0	2.0	2.4	2.2	2.2	1.8	2.0	2.4	2.0	2.2
Manitoulin, District of	3.9	2.9	3.6	3.2	2.5	2.2	2.8	2.9	3.0	3.0
Middlesex Co.	4.8	4.3	4.8	4.0	3.8	3.6	3.6	3.6	4.0	4.6
Muskoka	2.1	2.3	2.4	2.1	1.9	2.1	2.0	2.3	2.2	2.7
Niagara, R. M. of	4.0	3.9	4.6	3.9	4.7	4.6	4.3	5.0	4.9	4.9
Nipissing, District of	1.2	1.2	1.1	1.1	1.2	1.0	1.1	1.1	1.0	0.8
Norfolk Co.	0.5	0.4	0.5	0.5	0.8	1.0	0.8	0.6	0.7	0.6
Northumberland Co.	3.0	2.8	3.1	2.7	3.1	2.6	2.6	3.1	3.4	3.2
Ottawa, City of	11.2	11.0	12.7	10.9	10.6	9.6	10.0	9.7	8.7	9.7
Oxford Co.	5.8	4.9	5.2	4.9	5.6	5.8	6.3	5.8	6.4	7.4
Parry Sound, District of	1.8	2.4	3.5	2.1	1.5	1.2	1.4	1.2	1.5	1.3
Peel, R. M. of	3.8	3.6	3.9	3.6	3.9	3.6	4.0	3.5	2.5	3.0
Perth Co.	1.9	1.9	2.7	2.2	2.1	1.8	2.5	2.6	2.6	2.6
Peterborough Co.	3.2	3.2	3.3	3.2	2.6	2.6	2.7	3.1	3.1	3.8
Prescott & Russell Co.'s	1.7	1.7	1.6	1.6	1.5	1.3	1.5	1.5	1.4	1.5
Prince Edward Co.	2.4	1.6	1.7	1.6	1.6	1.3	1.5	1.3	1.6	1.4
Renfrew Co.	2.1	2.3	2.3	2.2	2.2	1.9	1.9	2.1	1.9	2.3
Simcoe Co.	12.1	10.5	10.3	10.7	10.5	10.1	11.4	13.4	11.4	13.0
Stormont, Dundas & Glengarry Co.'s	3.2	3.4	3.3	4.1	3.5	3.2	2.8	2.5	2.8	3.0
Sudbury, District of	1.1	0.8	0.8	0.9	1.0	0.8	0.9	0.9	0.6	0.6
Thunder Bay, District of	0.7	1.0	0.8	1.0	1.1	0.8	0.9	0.5	1.2	1.3
Waterloo, R. M. of	7.9	7.1	7.5	7.8	7.3	6.9	6.9	8.7	9.0	8.9
Wellington Co.	8.0	6.6	6.8	6.5	7.0	6.5	6.4	7.1	7.1	8.4
York, R. M. of	1.1	1.0	0.7	0.6	0.9	0.7	0.6	1.1	1.3	0.7
TOTAL	153.8	139.0	151.7	143.7	139.2	132.0	142.0	148.1	143.3	152.2

Note: Totals may not equal due to rounding.

Table 4

**LICENCE PRODUCTION IN 2017
THE TOP TEN PRODUCING MUNICIPALITIES
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2017 Production	Production(2)				
			2016	2015	2014	2013	2012
1 City of Ottawa	City of Ottawa	9.7	8.7	9.7	10.0	9.6	10.6
2 City of Kawartha Lakes	City of Kawartha Lakes	6.8	6.5	7.0	5.5	4.3	5.1
3 City of Hamilton	City of Hamilton	5.6	5.9	5.9	5.2	4.9	5.0
4 Township of North Dumfries	Waterloo	5.6	5.5	5.4	4.2	4.1	4.4
5 Township of Zorra	Oxford	5.1	4.7	4.1	4.9	4.1	4.1
6 Municipality of Clarington	Durham	4.9	5.5	5.8	5.5	5.3	5.1
7 City of Burlington/ Town Of Halton Hills (3)	Halton	4.7	5.3	2.4	2.2	2.1	3.1
8 Township of Puslinch	Wellington	4.6	3.5	3.9	3.5	3.5	3.8
9 Severn Township	Simcoe	4.0	3.5	4.0	3.7	3.0	3.1
10 Municipality of Thames Centre	Middlesex	3.3	2.7	2.2	2.3	2.0	2.3
Total		54.3	51.8	50.4	47.0	42.9	46.6

Notes:

1. Municipalities are ranked in order of their licenced production for 2017.
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)	133	118	15	115	18	0	0
Aylmer	292	231	61	278	8	6	0
Bancroft	262	99	163	187	35	40	0
Guelph (Cambridge)	455	397	58	415	37	3	0
Kemptville	457	293	164	308	124	25	0
Midhurst	481	372	109	414	62	5	0
North Bay	140	61	79	106	8	26	0
Parry Sound	292	117	175	187	10	95	0
Pembroke	220	77	143	196	13	11	0
Peterborough (Tweed)	514	292	222	412	85	17	0
Sault Ste. Marie	99	56	43	79	7	13	0
Sudbury	224	128	96	158	20	46	0
Thunder Bay	97	52	45	72	8	17	0
Wawa	2	2	0	1	0	1	0
TOTAL	3,668	2,295	1,373	2,928	435	305	0

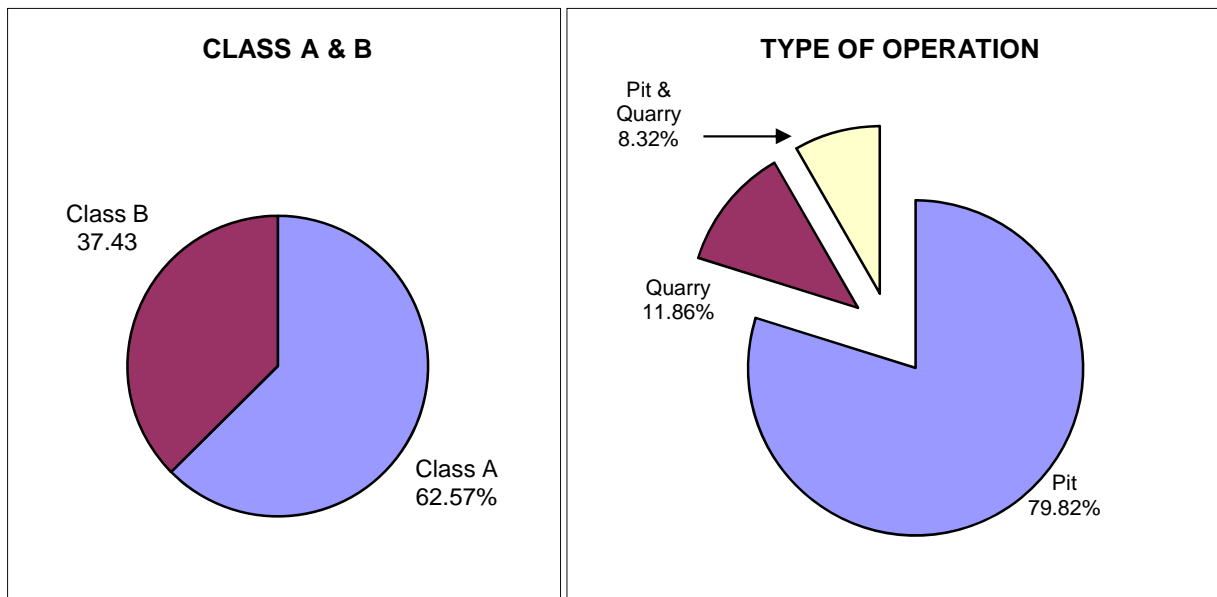


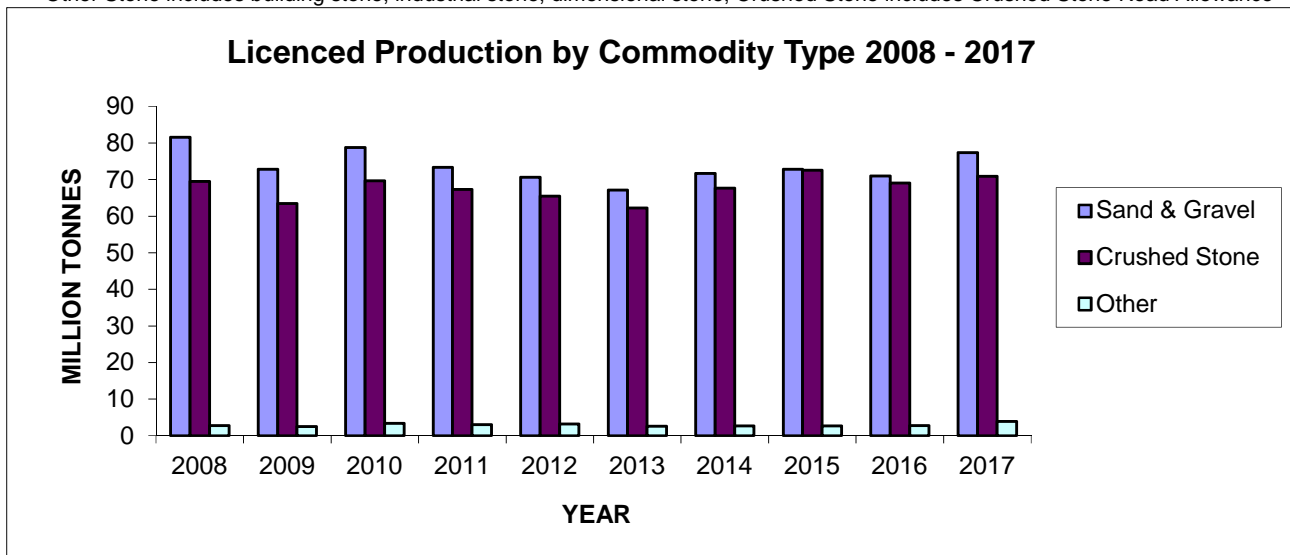
Table 6

**2017 LICENCED AGGREGATE PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	18,598,583.88	9,355,811.51	8,531,320.00	606,420.88	105,031.49
Aylmer	16,135,453.22	12,119,244.13	2,610,801.10	1,379,210.99	26,197.00
Bancroft	5,136,034.82	647,754.69	4,343,274.69	0.00	145,005.44
Guelph (Cambridge)	36,796,996.95	24,181,528.99	12,551,563.96	63,764.00	140.00
Kemptville	18,405,342.30	3,476,127.32	13,753,264.88	30,158.70	1,145,791.40
Midhurst	21,132,770.31	11,322,465.63	9,571,526.78	34,207.42	204,570.48
North Bay	1,041,155.83	663,183.98	337,119.08	0.00	40,852.77
Parry Sound	3,779,208.76	1,369,402.20	2,371,436.67	6.55	38,363.34
Pembroke	2,333,968.56	1,723,260.31	606,119.95	3,446.18	1,142.12
Peterborough	18,243,968.47	7,677,584.21	10,468,107.94	68,783.98	29,492.34
Sault Ste. Marie	3,116,762.78	1,413,618.24	1,703,125.54	0.00	19.00
Sudbury	6,172,564.71	2,227,454.70	3,937,700.44	2,249.64	5,159.93
Thunder Bay	1,287,128.69	1,204,013.08	82,794.73	0.00	320.88
TOTAL	152,179,939.28	77,381,448.99	70,868,155.76	2,188,248.34	1,742,086.19

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
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
2017	152.18	77.38	70.87	3.93

Table 7

**2017 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

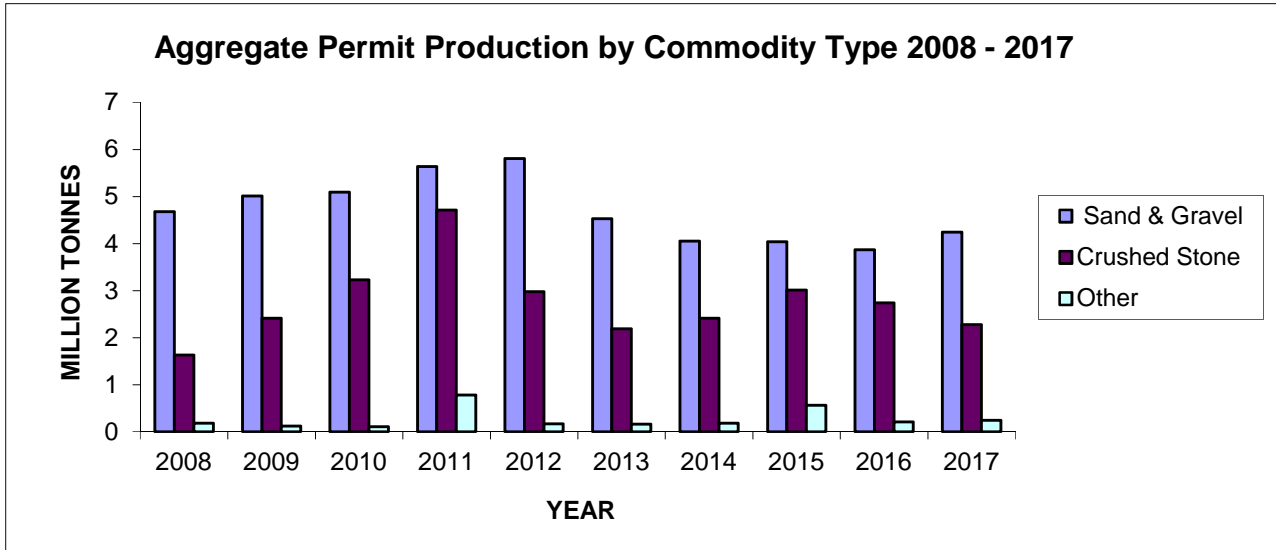
Region/District	Total Production	Sand & Gravel	Crushed Stone	Clay/Shale	Other Stone
NORTHEAST					
Chapleau	104,683.55	104,683.55	-	-	-
Cochrane	284,351.85	196,533.05	87,818.80	-	-
Hearst	464,791.39	320,604.57	143,506.82	-	680.00
Kirkland Lake	171,767.97	171,767.97	-	-	-
North Bay	404,150.22	323,664.05	55,924.93	-	24,461.00
Sault Ste. Marie	65,911.84	65,906.40	-	-	5.00
Sudbury	569,134.12	68,527.60	497,092.52	3,338.00	176.00
Timmins	329,244.93	329,244.93	-	-	-
Wawa	544,456.68	410,850.68	67,113.00	66,493.00	-
Sub-Total	2,938,492.55	1,991,782.80	851,456.07	69,831.00	25,322.00
NORTHWEST					
Dryden	729,248.30	324,180.30	402,109.00	-	2,959.00
Fort Frances	1,031,999.01	784,904.27	240,300.00	-	6,795.00
Kenora	310,041.08	219,466.10	80,804.19	-	9,771.00
Nipigon	359,198.05	225,166.18	133,565.79	-	466.00
Red Lake	154,995.76	89,645.76	65,350.00	-	-
Sioux Lookout	91,197.00	88,762.68	2,180.00	-	254.00
Thunder Bay	288,311.66	286,595.46	1,660.00	-	56.00
Sub-Total	2,964,990.86	2,018,720.75	925,968.98	-	20,301.00
SOUTHCENTRAL					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	12,870.00	12,870.00	-	-	-
Bancroft	551,908.50	57,988.41	368,180.95	1,936.00	123,803.00
Guelph (Cambridge)	-	-	-	-	-
Kemptville	-	-	-	-	-
Midhurst	637.46	637.46	-	-	-
Parry Sound	126,900.39	87,949.15	38,332.24	-	619.00
Pembroke	64,250.97	64,250.97	-	-	-
Peterborough (Tweed)	97,754.20	-	97,754.20	-	-
Sub-Total	854,321.52	223,695.99	504,267.39	1,936.00	124,422.00
TOTAL	6,757,804.93	4,234,199.54	2,281,692.44	71,767.00	170,045.00

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2017 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported By Year)**



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

	Total	Sand & Gravel	Crushed Stone	Other
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	6.82	3.87	2.74	0.21
2017	6.76	4.24	2.28	0.24

Table 9

**2017 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	12,870	12,870	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)	713,903	123,995	463,550	1,936	124,422
East (6)	67,396	65,011	2,385	0	0
Northeast (7)	2,381,740	1,528,933	824,052	3,338	25,417
Northwest (8)	3,581,896	2,503,391	991,706	66,493	20,307
TOTAL	6,757,805	4,234,200	2,281,692	71,767	170,146

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

**2017 AGGREGATE LICENCE PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	21,361,644	16,364,155	3,562,481	1,408,811	26,197
Peninsula (2)	14,266,551	2,905,308	11,326,939	34,164	140
West Central (3)	38,437,025	28,353,775	9,844,472	34,207	204,570
GTA (4)	18,600,934	9,358,162	8,531,320	606,421	105,031
East Central (5)	21,650,302	8,644,425	12,790,880	8,373	206,624
East (6)	25,211,815	5,820,669	18,145,270	94,022	1,151,854
Northeast (7)	8,246,097	3,316,823	4,879,694	2,250	47,330
Northwest (8)	4,405,571	2,618,131	1,787,100	0	340
TOTAL	152,179,939	77,381,449	70,868,156	2,188,248	1,742,086

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 2017
(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)	133	8,052.10	2,596.75	78.77	109.33	2,566.19
Aylmer	292	8,499.09	2,762.32	166.65	137.35	2,791.62
Bancroft	262	9,398.59	1,243.39	92.99	24.08	1,312.29
Guelph (Cambridge)	455	16,461.81	5,313.45	176.88	267.49	5,222.84
Kemptville	457	14,251.81	4,518.93	83.63	20.70	4,581.86
Midhurst	481	15,874.61	4,347.13	225.38	100.43	4,472.08
North Bay	140	6,588.85	801.20	16.71	1.11	816.80
Parry Sound	292	9,360.98	2,116.27	43.21	35.01	2,124.47
Pembroke	220	5,895.98	908.32	35.61	13.08	930.85
Peterborough (Tweed)	514	15,259.40	4,063.18	86.75	74.56	4,075.36
Sault Ste. Marie	99	4,274.18	875.31	33.22	14.26	894.27
Sudbury	224	16,363.74	1,706.28	51.98	4.47	1,753.78
Thunder Bay	97	7,013.71	600.27	21.04	44.14	577.17
Wawa	2	46.87	0.00	0.00	0.00	0.00
TOTAL	3,668	137,341.72	31,852.78	1,112.82	846.01	32,119.59

Note: Areas reported in hectares

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

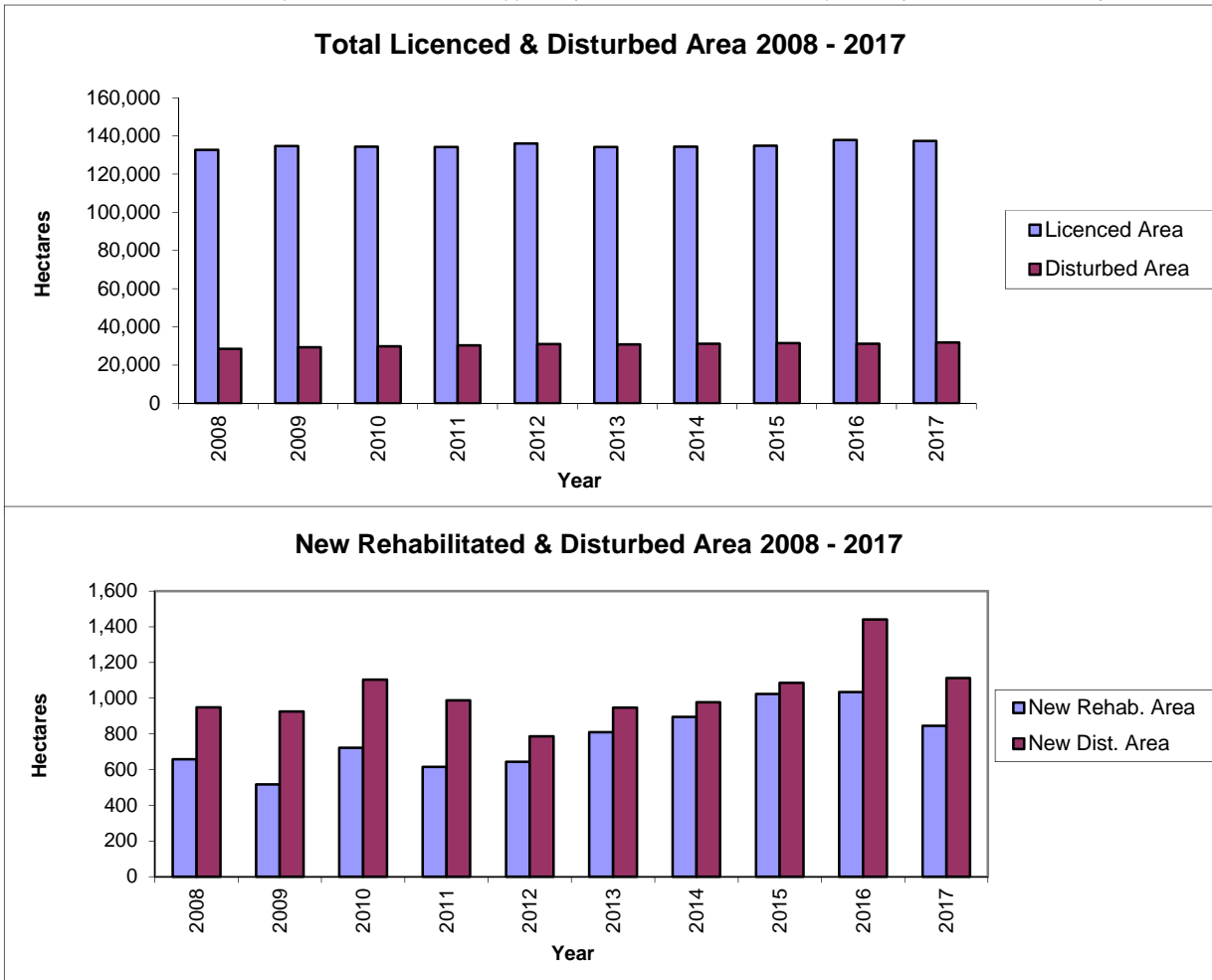


Table 11

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

Region/District	Total Hectarage	Total No. of Permits	Pit	Quarry	Pit & Quarry	Underwater
NORTHEAST						
Chapleau	1,256.90	90	86	4	0	0
Cochrane	3,332.17	116	99	10	7	0
Hearst	3,778.87	187	160	25	2	0
Kirkland Lake	1,951.66	146	135	8	3	0
North Bay	3,240.15	189	147	31	11	0
Sault Ste. Marie	1,030.90	87	81	4	2	0
Sudbury	4,982.36	159	118	24	17	0
Timmins	2,180.67	142	127	9	6	0
Wawa	2,406.81	173	156	10	7	0
Sub-Total	24,160.49	1,289	1,109	125	55	0
NORTHWEST						
Dryden	2,461.78	174	168	10	11	0
Fort Frances	2,409.10	207	187	7	16	0
Kenora	3,047.41	173	133	25	19	0
Nipigon	3,563.25	216	186	18	19	0
Red Lake	1,263.38	69	65	5	2	0
Sioux Lookout	2,573.45	88	77	2	3	0
Thunder Bay	4,481.83	163	117	25	12	0
Sub-Total	19,800.20	1,090	933	92	82	0
SOUTHCENTRAL						
Aylmer	0.10	1	0	0	0	1
Bancroft	1,388.80	71	55	16	0	0
Guelph (Cambridge)	620.00	1	0	0	0	1
Kemptville	2.00	1	1	0	0	0
Parry Sound	974.18	86	59	19	8	0
Pembroke	135.00	34	34	0	0	0
Peterborough (Tweed)	31.40	2	0	1	1	0
Sub-Total	3,151.48	196	149	36	9	2
TOTAL	47,112.17	2,575	2,191	253	146	2

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.

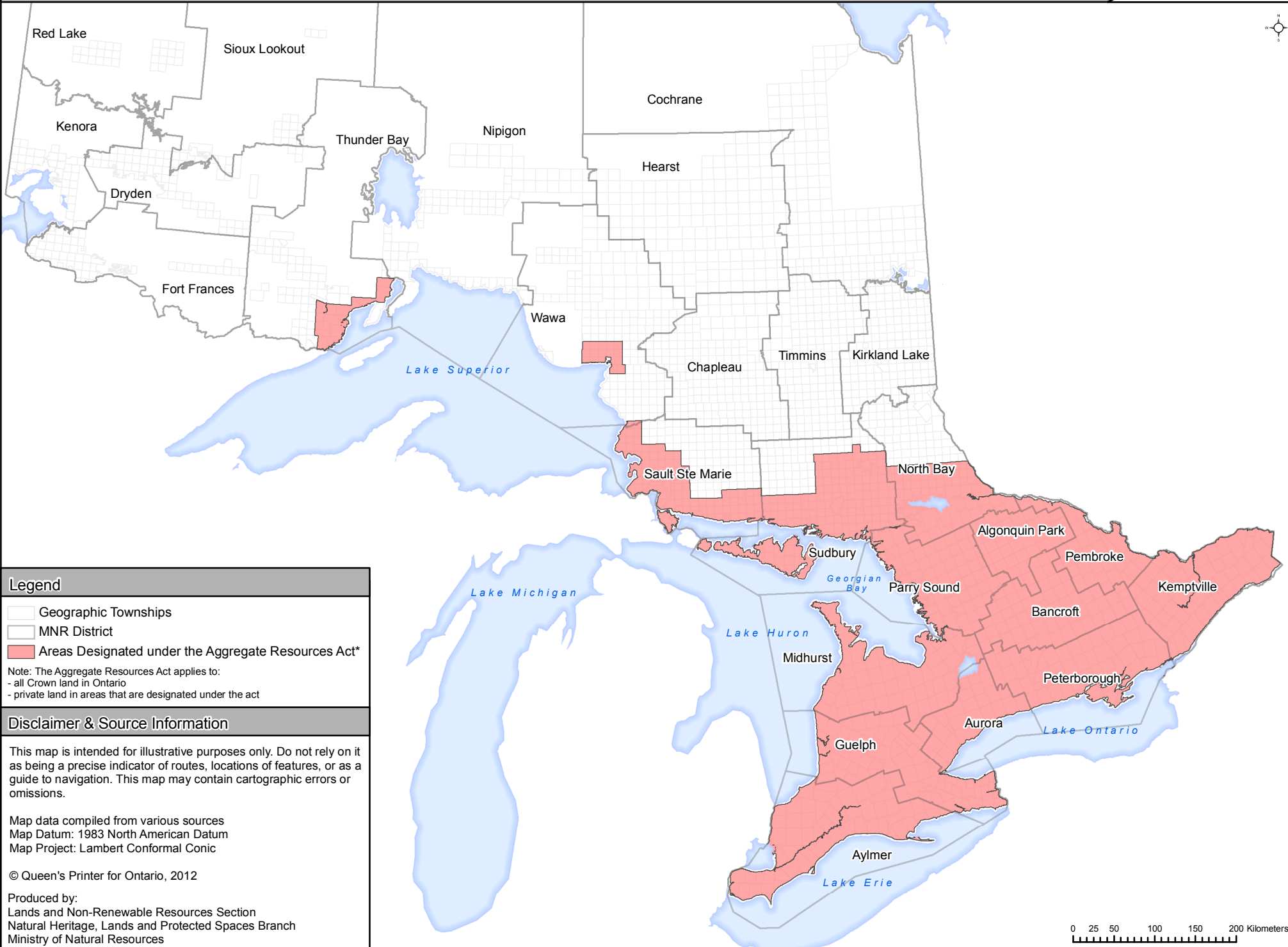
CANADIAN PORTLAND CEMENT ASSOCIATION* GEOGRAPHIC AREAS

* 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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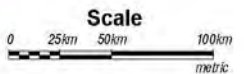
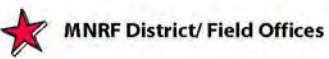
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Compiled by **MHBC Planning** with the cooperation and assistance of the Ministry of Natural Resources and Forestry, Aggregate Resources Program staff (February 2018)

2018 MNR Aggregate Technical Specialists

AGGREGATE RESOURCES ACT DESIGNATED AREAS

	PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE	Kitchener	519.576.3650
		Woodbridge	905.761.5588
		London	519.858.2797
		Kingston	613.384.7067
		Barrie	705.728.0045
		Burlington	905.639.8686