

AGGREGATE RESOURCES STATISTICS IN ONTARIO

PRODUCTION STATISTICS 2019

AGGREGATE FOUNDATIONS:

1,760 TRUCKLOADS

3,760 TRUCKLOADS

1KM 1 KM OF 4-LANE HIGHWAY

A 32,000 m² HOSPITAL



4,560

TRUCKLOADS

14
TONS

1KM 1 KM OF SUBWAY LINE



EVERY ONTARIAN USES
14 TONNES OF STONE, SAND
AND GRAVEL EACH YEAR.

AGGREGATE RESOURCES STATISTICS IN ONTARIO

PRODUCTION STATISTICS

2019

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 2019, there were 3,614 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,491 aggregate permits on Crown land and 2 wayside permits.

Aggregate Production

Overall production of mineral aggregates in 2019 totaled approximately 161 million tonnes, essentially the same tonnage reported in the previous year. Production from licenced operations was up 1.5 million tonnes or +1.0% compared to 2018. Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. Wayside permit production was reduced on small volumes (.20 million in 2019 from .35 million in 2018). Production from aggregate permits on Crown Land decreased (18.2%) from 2018 (5.4 million in 2019 from 6.6 million tonnes in 2018).

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

Table 1

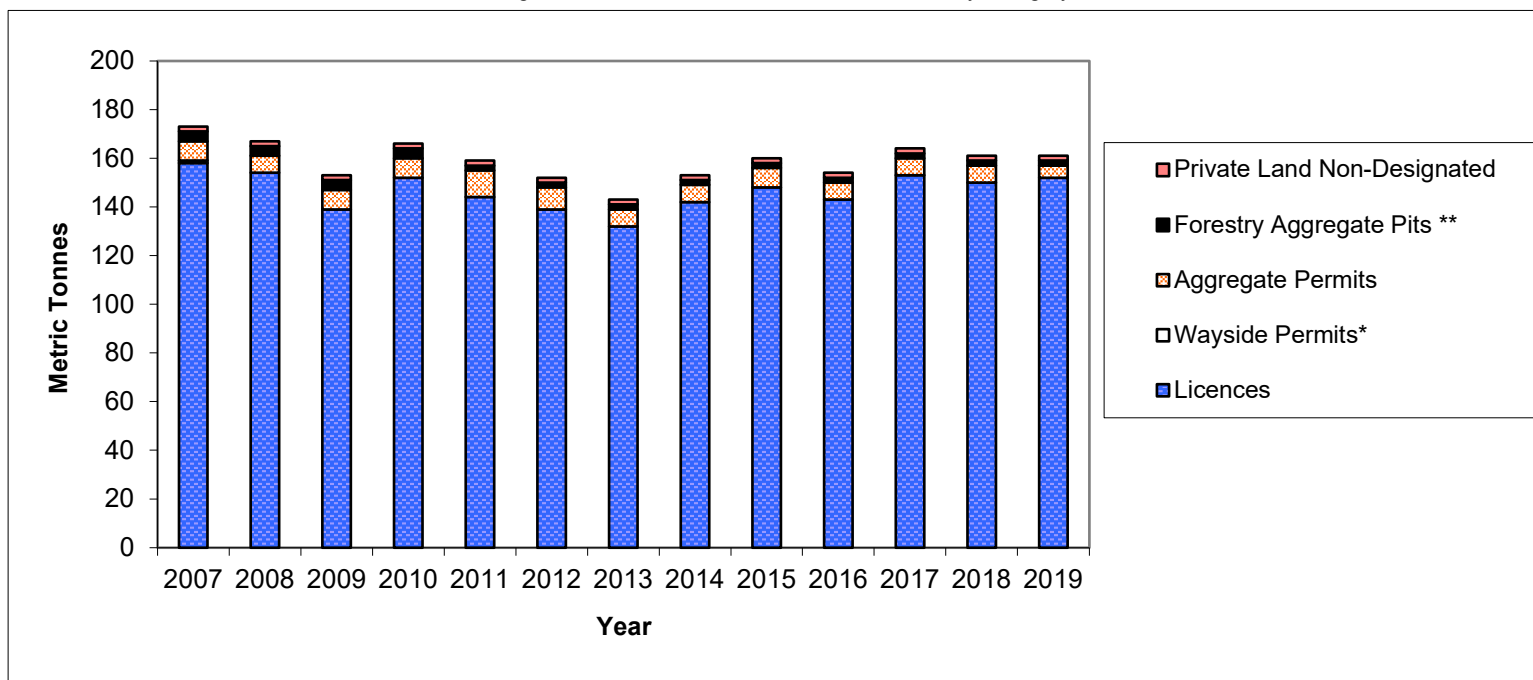
AGGREGATE PRODUCTION IN ONTARIO - 2007 - 2019
(rounded to nearest million tonnes)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Licences	158	154	139	152	144	139	132	142	148	143	153	150	152
Wayside Permits*	1	0	0	0	0	0	0	0	0	0	0	0	0
Aggregate Permits	8	7	8	8	11	9	7	7	8	7	7	7	5
Forestry Aggregate Pits **	4	4	4	4	2	2	2	2	2	2	2	2	2
Private Land Non-Designated (estimated)	2	2	2	2	2	2	2	2	2	2	2	2	2
ONTARIO TOTAL	173	167	153	166	159	152	143	153	160	154	164	161	161

*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 1.2 million tonnes for 2007, .1 million tonnes for 2008, .2 million tonnes for 2009, zero tonnes for 2010 through 2014, .15 million tonnes for 2015, .35 million tonnes for 2016 through 2018, .20 million tonnes for 2019; ** 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	63,304.40		63,304.40
Blind River, Town of	67,618.67		67,618.67
Bruce Mines, Town of/Plummer Additional Tp	1,511,304.86		1,511,304.86
Elliot Lake, City of/Spanish, Town of/The North Shore Tp	46,372.08		46,372.08
Hilton Tp	38,255.92		38,255.92
Huron Shores, Municipality of	737,321.75		737,321.75
Jocelyn Tp	61,922.00		61,922.00
Johnson Tp/Tarbutt & Tarbutt Add'l Tp/St. Joseph Tp	29,047.80		29,047.80
Laird Tp/St. Joseph Tp	3,968.00		3,968.00
Macdonald, Meredith & Aberdeen Add'l Tp	8,334.00		8,334.00
Sault Ste. Marie, City of/Prince Tp	553,522.97		553,522.97
Sub-Total	3,120,972.45	0.00	3,120,972.45
<i>Brant</i>			
Brant, County of/Brantford, City of	2,594,893.12		2,594,893.12
Sub-Total	2,594,893.12	0.00	2,594,893.12
<i>Bruce</i>			
Arran-Elderslie, Municipality of	213,921.57		213,921.57
Brockton, Municipality of	38,738.07		38,738.07
Huron-Kinloss Tp	381,977.52		381,977.52
Kincardine, Municipality of	45,570.82		45,570.82
Northern Bruce Peninsula, Municipality of	177,384.71		177,384.71
Saugeen Shores, Town of	156,193.92		156,193.92
South Bruce Peninsula, Town of	232,833.69		232,833.69
South Bruce, Municipality of	354,066.31		354,066.31
Sub-Total	1,600,686.61	0.00	1,600,686.61
<i>Chatham-Kent</i>			
Chatham-Kent, Municipality of	271,080.79		271,080.79
Sub-Total	271,080.79	0.00	271,080.79
<i>Dufferin</i>			
Amaranth Tp/East Luther Grand Valley Tp	71,553.50		71,553.50
East Garafraxa Tp	845,153.43		845,153.43
Melancthon Tp	989,272.39		989,272.39
Mono Tp	136,144.52		136,144.52
Mulmur Tp	96,953.07		96,953.07
Sub-Total	2,139,076.91	0.00	2,139,076.91
<i>Durham</i>			
Brock Tp	1,314,681.48		1,314,681.48
Clarington, Municipality of	4,249,382.20		4,249,382.20
Oshawa, City of/Scugog Tp	89,206.77		89,206.77
Uxbridge Tp	2,945,650.40		2,945,650.40
Sub-Total	8,598,920.85	0.00	8,598,920.85
<i>Elgin</i>			
Bayham/West Elgin, Municipality of/Malahide Tp	158,361.21		158,361.21
Central Elgin, Municipality of	193,073.24		193,073.24
Sub-Total	351,434.45	0.00	351,434.45

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
Essex			
Amherstburg, Town of/Leamington, Municipality of/Pelee Tp	2,483,813.00		2,483,813.00
Kingsville, Town of	644,391.00		644,391.00
Sub-Total	3,128,204.00	0.00	3,128,204.00
Frontenac			
Central Frontenac Tp	68,166.49		68,166.49
Frontenac Islands Tp	46,623.47		46,623.47
Kingston, City of	1,316,013.50		1,316,013.50
North Frontenac Tp	163,281.75		163,281.75
South Frontenac Tp	410,814.70		410,814.70
Sub-Total	2,004,899.91	0.00	2,004,899.91
Greater Sudbury			
Greater Sudbury, City of	2,552,351.05		2,552,351.05
Sub-Total	2,552,351.05	0.00	2,552,351.05
Grey			
Chatsworth Tp	387,821.64		387,821.64
Georgian Bluffs Tp	577,266.08		577,266.08
Grey Highlands, Municipality of	1,159,435.78		1,159,435.78
Meaford, Municipality of	490,131.83		490,131.83
Southgate Tp	439,647.26		439,647.26
The Blue Mountains, Town of	228,180.73		228,180.73
West Grey, Municipality of	1,039,000.61		1,039,000.61
Sub-Total	4,321,483.93	0.00	4,321,483.93
Haldimand			
Haldimand, County of	1,214,155.66		1,214,155.66
Sub-Total	1,214,155.66	0.00	1,214,155.66
Haliburton			
Algonquin Highlands Tp	107,449.07		107,449.07
Dysart et al Tp	279,595.98		279,595.98
Highlands East Tp	23,387.32		23,387.32
Minden Hills Tp	103,782.25		103,782.25
Sub-Total	514,214.62	0.00	514,214.62
Halton			
Burlington, City of/Halton Hills, Town of	5,143,486.88		5,143,486.88
Milton, Town of	432,640.00		432,640.00
Sub-Total	5,576,126.88	0.00	5,576,126.88
Hamilton			
Hamilton, City of	6,926,121.94		6,926,121.94
Sub-Total	6,926,121.94	0.00	6,926,121.94

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<i>Hastings</i>			
Bancroft, Town of/Limerick Tp	56,896.65		56,896.65
Belleville, City of	799,861.48		799,861.48
Carlo/Mayo Tp	2,018.88		2,018.88
Centre Hastings, Municipality of	216,193.79		216,193.79
Faraday Tp	18,187.00		18,187.00
Hasting Highlands, Municipality of	213,951.24		213,951.24
Madoc Tp	545,558.77		545,558.77
Marmora & Lake, Municipality of	9,988.00		9,988.00
Quinte West, City of	427,579.88		427,579.88
Stirling-Rawdon Tp	24,252.87		24,252.87
Tweed, Municipality of	35,670.88		35,670.88
Tyendinaga Tp	318,552.08		318,552.08
Wollaston Tp	22,918.28		22,918.28
Sub-Total	2,691,629.80	0.00	2,691,629.80
<i>Huron</i>			
Ashfield-Colborne-Wawanosh Tp	1,480,101.74		1,480,101.74
Bluewater, Municipality of	9,253.71		9,253.71
Central Huron, Municipality of	435,047.09	200,000.00	635,047.09
Howick Tp	540,734.88		540,734.88
Huron East, Municipality of	713,040.97		713,040.97
Morris-Turnberry, Municipality of	289,806.49		289,806.49
North Huron Tp	127,048.86		127,048.86
South Huron, Municipality of	60,143.61		60,143.61
Sub-Total	3,655,177.35	200,000.00	3,855,177.35
<i>Kawartha Lakes</i>			
Kawartha Lakes, City of	6,962,392.31		6,962,392.31
Sub-Total	6,962,392.31	0.00	6,962,392.31
<i>Lambton</i>			
Lambton Shores, Municipality of	348,369.07		348,369.07
Warwick Tp/Plympton-Wyoming, Town of	276,134.47		276,134.47
Sub-Total	624,503.54	0.00	624,503.54
<i>Lanark</i>			
Beckwith Tp/Drummond-North Elmsley Tp	195,527.41		195,527.41
Lanark Highlands Tp	1,094,724.24		1,094,724.24
Mississippi Mills, Town of	350,207.18		350,207.18
Montague Tp	274,324.11		274,324.11
Tay Valley Tp	11,916.04		11,916.04
Sub-Total	1,926,698.98	0.00	1,926,698.98

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
Leeds & Grenville			
Athens Tp/Front of Yonge Tp/Leeds and Thousand Islands Tp	265,401.06		265,401.06
Augusta Tp	36,906.90		36,906.90
Edwardsburgh-Cardinal Tp	177,917.12		177,917.12
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of	273,001.04		273,001.04
Leeds and Thousand Islands Tp	361,254.56		361,254.56
North Grenville Tp	826,581.15		826,581.15
Rideau Lakes Tp	127,548.82		127,548.82
Sub-Total	2,068,610.65	0.00	2,068,610.65
Lennox & Addington			
Addington Highlands Tp	37,495.30		37,495.30
Greater Napanee, Town of	259,534.94		259,534.94
Loyalist Tp	1,508,305.03		1,508,305.03
Stone Mills Tp	108,140.32		108,140.32
Sub-Total	1,913,475.59	0.00	1,913,475.59
Manitoulin District			
Assignack Tp/Billings Tp	20,218.24		20,218.24
Central Manitoulin Tp	72,087.24		72,087.24
Gordon/Barrie Island/Burpee & Mills Tp/Cockburn Island Tp	36,282.34		36,282.34
Northeastern Manitoulin & The Islands	113,943.72		113,943.72
Tehkummah Tp	30,430.33		30,430.33
Unorganized - Manitoulin D	3,002,556.86		3,002,556.86
Sub-Total	3,275,518.73	0.00	3,275,518.73
Middlesex			
Adelaide Metcalfe Tp/Strathroy-Caradoc Tp	207,108.20		207,108.20
London, City of	641,059.89		641,059.89
Lucan Biddulph Tp/North Middlesex, Municipality of	20,903.50		20,903.50
Middlesex Centre Tp	91,491.45		91,491.45
Thames Centre, Municipality of	2,919,476.77		2,919,476.77
Sub-Total	3,880,039.81	0.00	3,880,039.81
Muskoka			
Bracebridge	877,999.06		877,999.06
Georgian Bay Tp	8,948.13		8,948.13
Gravenhurst	164,254.16		164,254.16
Huntsville	1,086,081.07		1,086,081.07
Lake of Bays Tp	192,373.40		192,373.40
Muskoka Lakes Tp	294,120.56		294,120.56
Sub-Total	2,623,776.38	0.00	2,623,776.38
Niagara			
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp	2,455,643.93		2,455,643.93
Lincoln, Town of/Niagara-on-the-Lake, Town of	1,945,605.36		1,945,605.36
Niagara Falls, City of	650,230.82		650,230.82
Sub-Total	5,051,480.11	0.00	5,051,480.11

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	106,370.17		106,370.17
Calvin Tp/East Ferris, Municipality of	39,884.50		39,884.50
Chisholm Tp	16,679.75		16,679.75
Mattawan Tp/South Algonquin Tp/Unorganized - Nippissing D	11,726.34		11,726.34
North Bay, City of	451,404.64		451,404.64
Papineau-Cameron Tp	28,685.30		28,685.30
West Nipissing, Municipality of	315,203.35		315,203.35
Unorganized - Manitoulin D	3,005.00		3,005.00
Sub-Total	972,959.05	0.00	972,959.05
<i>Norfolk</i>			
Norfolk, County of	889,391.91		889,391.91
Sub-Total	889,391.91	0.00	889,391.91
<i>Northumberland</i>			
Alnwick-Haldimand Tp	611,781.61		611,781.61
Brighton, Municipality of	443,621.25		443,621.25
Cramahe Tp	1,863,348.65		1,863,348.65
Hamilton Tp	172,278.00		172,278.00
Port Hope, Municipality of	74,627.00		74,627.00
Trent Hills, Municipality of	226,246.90		226,246.90
Sub-Total	3,391,903.41	0.00	3,391,903.41
<i>Ottawa</i>			
Ottawa, City of	11,112,628.50		11,112,628.50
Sub-Total	11,112,628.50	0.00	11,112,628.50
<i>Oxford</i>			
Blandford-Blenheim Tp	635,832.70		635,832.70
East Zorra-Tavistock Tp/Norwich Tp	177,587.49		177,587.49
South-West Oxford Tp	1,304,990.09		1,304,990.09
Zorra Tp	4,959,874.76		4,959,874.76
Sub-Total	7,078,285.04	0.00	7,078,285.04
<i>Parry Sound District</i>			
Armour Tp/Burks Falls, Village of	49,426.77		49,426.77
Callander, Municipality of	61,607.28		61,607.28
Carling Tp/The Archipelago Tp/McKeller Tp	13,613.12		13,613.12
Joly Tp	25,672.91		25,672.91
Kearney, Town of	18,820.94		18,820.94
Macher Tp	39,076.86		39,076.86
Magnetawan, Municipality of	121,243.58		121,243.58
McDougall Tp/Parry Sound, Town of	52,847.14		52,847.14
McMurrich-Monteith Tp	17,106.48		17,106.48
Nipissing Tp	11,498.84		11,498.84
Perry Tp	32,227.11		32,227.11
Powassan, Municipality of	125,451.35		125,451.35
Ryerson Tp	79,308.44		79,308.44
Seguin Tp	432,183.76		432,183.76
Strong Tp	2,848.60		2,848.60
Unorganized - Parry Sound	128,004.77		128,004.77
Whitestone The Municipality of	30,549.32		30,549.32
Sub-Total	1,241,487.27	0.00	1,241,487.27

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<i>Peel</i>			
Caledon, Town of	2,821,043.31		2,821,043.31
Sub-Total	2,821,043.31	0.00	2,821,043.31
<i>Perth</i>			
Perth East Tp	458,891.41		458,891.41
Perth South Tp/St. Marys, Separated Town of	1,659,777.40		1,659,777.40
West Perth Tp	352,947.58		352,947.58
Sub-Total	2,471,616.39	0.00	2,471,616.39
<i>Peterborough</i>			
Asphodel-Norwood Tp	131,140.40		131,140.40
Cavan-Millbrook-North Monaghan Tp/Otonabee-South Monagha	315,025.10		315,025.10
Douro-Dummer Tp	419,735.48		419,735.48
Havelock-Belmont-Methuen Tp	1,423,445.02		1,423,445.02
North Kawartha Tp	8,076.49		8,076.49
Selwyn Tp	745,078.03		745,078.03
Trent Lakes, Municipality of	793,600.30		793,600.30
Sub-Total	3,836,100.82	0.00	3,836,100.82
<i>Prescott & Russell</i>			
Alfred & Plantagenet Tp	322,205.23		322,205.23
Champlain Tp	387,830.83		387,830.83
Clarence-Rockland, City of	88,303.00		88,303.00
East Hawkesbury Tp	20,130.13		20,130.13
Russell Tp	32,263.02		32,263.02
The Nation, Municipality of	319,841.47		319,841.47
Sub-Total	1,170,573.68	0.00	1,170,573.68
<i>Prince Edward Co</i>			
Prince Edward, County of	1,446,182.36		1,446,182.36
Sub-Total	1,446,182.36	0.00	1,446,182.36
<i>Renfrew</i>			
Admaston-Bromley Tp/Renfrew, Town of	194,741.30		194,741.30
Bonnechere Valley Tp	105,244.74		105,244.74
Brudenell, Lyndoc and Raglan Tp	47,020.00		47,020.00
Deep River Tp/Head, Clara & Maria Tp	7,468.00		7,468.00
Greater Madawaska Tp	34,851.00		34,851.00
Horton Tp	286,561.65		286,561.65
Killaloe, Hagarty and Richards Tp	67,424.03		67,424.03
Laurentian Hills	69,884.69		69,884.69
Laurentian Valley Tp	421,537.78		421,537.78
Madawaska Valley	85,329.70		85,329.70
McNab-Braeside Tp	234,089.58		234,089.58
North Algona-Wilberforce Tp	48,769.27		48,769.27
Petawawa, Town of	172,496.03		172,496.03
Whitewater Region Tp	177,426.60		177,426.60
Sub-Total	1,952,844.37	0.00	1,952,844.37

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	135,797.59		135,797.59
Clearview Tp	1,200,486.07		1,200,486.07
Collingwood, Town of/Essa Tp/Innisfil, Town of	170,846.94		170,846.94
Midland, Town of/Penetanguishine, Town of/	274,264.00		274,264.00
Oro-Medonte Tp	1,996,892.23		1,996,892.23
Ramara Tp	2,933,433.59		2,933,433.59
Severn Tp	3,691,238.20		3,691,238.20
Springwater Tp	1,169,239.58		1,169,239.58
Tay Tp	241,921.57		241,921.57
Tiny Tp	393,549.91		393,549.91
Sub-Total	12,207,669.68	0.00	12,207,669.68
<i>Stormont, Dundas & Glengarry</i>			
North Dundas Tp	697,902.77		697,902.77
North Glengarry Tp	145,452.03		145,452.03
North Stormont Tp	1,575,669.25		1,575,669.25
South Dundas Tp	60,330.46		60,330.46
South Glengarry Tp	313,814.67		313,814.67
South Stormont Tp	857,293.47		857,293.47
Sub-Total	3,650,462.65	0.00	3,650,462.65
<i>Sudbury District</i>			
Baldwin Tp	74,535.35		74,535.35
French River, Municipality of	118,182.50		118,182.50
Markstay-Warren, Municipality of	21,874.99		21,874.99
Nairn & Hyman Tp	50,442.00		50,442.00
Sables Spanish Rivers Tp/Espanola, Town of	56,679.64		56,679.64
Sudbury District, Unorganized	247,317.12		247,317.12
Sub-Total	569,031.60	0.00	569,031.60
<i>Thunder Bay District</i>			
Conmee Tp	129,863.04		129,863.04
Neebing, Municipality of	14,807.12		14,807.12
Oliver Paipoonge, Municipality of	240,718.93		240,718.93
Shuniah Tp	147,269.97		147,269.97
Thunder Bay District, Unorganized	546,102.40		546,102.40
Sub-Total	1,078,761.46	0.00	1,078,761.46
<i>Waterloo</i>			
Cambridge, City of/Kitchener, City of	0.00		0.00
North Dumfries Tp	5,070,805.10		5,070,805.10
Wellesley Tp	1,293,709.01		1,293,709.01
Wilmot Tp	1,447,694.74		1,447,694.74
Woolwich Tp	292,653.05		292,653.05
Sub-Total	8,104,861.90	0.00	8,104,861.90

Table 2

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

(Reported in Metric Tonnes)

Municipality	Licences	Wayside Permits	Total
Wellington			
Centre Wellington Tp	1,018,477.36		1,018,477.36
Erin, Town of	1,095,319.41		1,095,319.41
Guelph-Eramosa Tp	438,522.34		438,522.34
Mapleton Tp	135,538.57		135,538.57
Minto, Town of	296,430.90		296,430.90
Puslinch Tp	4,233,347.60		4,233,347.60
Wellington North Tp	145,167.10		145,167.10
Sub-Total	7,362,803.28	0.00	7,362,803.28
York			
East Gwillimbury, Town of/Georgina, Town of	69,865.23		69,865.23
Whitchurch-Stouffville, Town of	503,804.19		503,804.19
Sub-Total	573,669.42	0.00	573,669.42
GRAND TOTAL	151,520,202.52	200,000.00	151,720,202.52

Table 3

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

Municipality	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Algoma, District of	2.9	2.9	2.6	2.4	2.7	2.9	2.8	3.1	3.0	3.1
Brant Co.	1.9	1.7	1.7	1.7	1.6	1.9	1.7	2.2	2.6	2.6
Bruce Co.	2.3	1.7	1.5	1.4	1.8	2.0	1.5	1.7	1.8	1.6
Chatham-Kent, R. M. of	0.3	0.4	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3
Dufferin Co.	2.7	2.3	2.2	2.3	2.7	2.3	2.2	2.2	1.8	2.1
Durham, R. M. of	9.6	10.2	9.9	10.1	10.3	10.0	9.5	9.3	9.4	8.6
Elgin Co.	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.4
Essex Co.	2.6	2.0	2.0	2.1	1.6	1.9	1.9	2.3	2.6	3.1
Frontenac Co.	2.4	2.2	2.0	2.0	2.0	1.8	1.6	2.3	2.0	2.0
Greater Sudbury, City of	2.5	3.1	2.7	2.6	2.8	3.1	2.6	2.5	2.1	2.6
Grey Co.	3.5	3.0	2.6	2.8	3.2	4.1	3.8	4.3	4.3	4.3
Haldimand Co.	1.4	1.2	1.3	1.2	1.5	0.8	1.1	1.0	1.1	1.2
Haliburton Co.	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.6	0.5	0.5
Halton, R. M. of	7.2	8.7	7.4	6.8	7.7	7.2	6.6	5.6	5.4	5.6
Hamilton, City of	5.3	5.0	5.0	4.9	5.2	5.9	5.9	5.6	6.0	6.9
Hastings Co.	3.5	3.1	2.7	2.5	3.1	2.9	2.8	3.1	2.8	2.7
Huron Co.	2.5	2.8	2.5	2.7	3.7	3.1	3.0	3.2	3.8	3.9
Kawartha Lakes, City of	4.6	4.7	5.1	4.3	5.5	7.0	6.5	6.8	7.2	7.0
Lambton Co.	0.5	0.5	0.4	0.4	0.7	0.6	0.5	0.5	0.6	0.6
Lanark Co.	2.9	1.8	1.5	1.8	1.7	1.9	1.8	2.1	2.2	1.9
Leeds & Grenville Co.'s	2.6	2.0	2.2	1.9	2.2	1.9	2.0	2.2	2.1	2.1
Lennox & Addington Co.	2.4	2.2	2.2	1.8	2.0	2.4	2.0	2.2	2.4	1.9
Manitoulin, District of	3.6	3.2	2.6	2.2	2.8	2.9	3.0	3.0	3.5	3.3
Middlesex Co.	4.8	3.9	3.8	3.6	3.6	3.7	4.0	4.6	4.7	3.9
Muskoka	2.4	2.1	2.0	2.1	2.0	2.3	2.2	2.7	2.4	2.6
Niagara, R. M. of	4.6	3.9	4.7	4.6	4.3	5.0	4.9	4.9	5.2	5.1
Nipissing, District of	1.2	1.1	1.2	1.1	1.2	1.2	1.0	0.9	0.9	1.0
Norfolk Co.	0.5	0.5	0.8	1.0	0.8	0.6	0.7	0.6	0.8	0.9
Northumberland Co.	3.2	2.7	3.1	2.6	2.6	3.1	3.4	3.2	3.1	3.4
Ottawa, City of	12.7	10.9	10.6	9.5	10.0	9.7	8.7	9.7	10.3	11.1
Oxford Co.	5.5	5.1	5.5	5.9	6.3	5.9	6.4	7.4	6.8	7.1
Parry Sound, District of	3.4	2.1	1.5	1.2	1.4	1.3	1.5	1.3	1.4	1.2
Peel, R. M. of	3.9	3.6	3.9	3.6	4.0	3.5	2.5	3.0	2.7	3.0
Perth Co.	2.8	2.3	2.3	2.2	2.5	2.6	2.6	2.6	2.5	2.5
Peterborough Co.	3.3	3.2	2.7	2.6	2.7	3.1	3.1	3.8	3.3	3.8
Prescott & Russell Co.'s	1.6	1.6	1.5	1.4	1.5	1.5	1.4	1.5	1.4	1.2
Prince Edward Co.	1.7	1.6	1.6	1.3	1.5	1.3	1.6	1.4	1.4	1.4
Renfrew Co.	2.4	2.2	2.3	1.9	1.9	2.1	1.9	2.3	2.1	2.0
Simcoe Co.	10.3	10.8	10.7	10.1	11.6	13.4	11.4	13.0	11.9	12.2
Stormont, Dundas & Glengarry Co.'s	3.4	4.0	3.6	3.2	2.8	2.5	2.8	3.0	3.1	3.7
Sudbury, District of	0.8	0.9	1.0	0.8	0.9	0.9	0.6	0.6	0.8	0.6
Thunder Bay, District of	0.8	1.1	1.1	0.8	0.9	0.6	1.5	1.4	1.5	1.1
Waterloo, R. M. of	7.5	7.8	7.3	7.0	7.4	8.7	9.0	8.9	7.9	8.1
Wellington Co.	6.8	7.0	7.4	6.6	6.5	7.1	7.1	8.4	7.7	7.4
York, R. M. of	0.7	0.6	0.9	0.7	0.6	1.1	1.3	0.7	0.5	0.6
TOTAL	152.6	144.8	140.6	132.9	142.9	148.8	143.6	152.6	150.1	151.9

Note: Totals may not equal due to rounding.

Table 4

**LICENCE PRODUCTION IN 2019
THE TOP TEN PRODUCING MUNICIPALITIES
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2019 Production	Production(2)				
			2018	2017	2016	2015	2014
1 City of Ottawa	City of Ottawa	11.1	10.3	9.7	8.7	9.7	10.0
2 City of Kawartha Lakes	City of Kawartha Lakes	7.0	7.2	6.8	6.5	7.0	5.5
3 City of Hamilton	City of Hamilton	6.9	6.0	5.6	5.9	5.9	5.2
4 City of Burlington/ Town Of Halton Hills (3)	Halton	5.1	5.2	4.7	5.3	2.4	2.2
5 Township of North Dumfries	Waterloo	5.1	5.2	5.6	5.5	5.4	4.2
6 Township of Zorra	Oxford	5.0	4.7	5.1	4.7	4.1	4.9
7 Municipality of Clarington	Durham	4.2	4.4	4.9	5.5	5.8	5.5
8 Township of Puslinch	Wellington	4.2	4.2	4.6	3.5	3.9	3.5
9 Severn Township	Simcoe	3.7	3.6	4.0	3.5	4.0	3.7
10 Township of Uxbridge	Durham	2.9	3.3	3.1	2.8	3.0	3.6
Total		55.2	54.1	54.1	51.9	51.2	48.3

Notes:

1. Municipalities are ranked in order of their licenced production for 2019.
2. Historical data are for current year's Top Ten Producing Municipalities.
3. City of Burlington/Town Of Halton Hills combined due to lower tier grouping guidelines.

Table 5

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

District	No. of Licences	Category		Type of Operation			
		Class A	Class B	Pit	Quarry	Pit & Quarry	Underwater
Aurora (GTA)	128	113	15	110	18	0	0
Aylmer	277	217	60	263	8	6	0
Bancroft	265	103	162	188	37	40	0
Guelph (Cambridge)	449	394	55	407	39	3	0
Kemptville	458	297	161	307	126	25	0
Midhurst	480	374	106	412	63	5	0
North Bay	141	62	79	106	8	27	0
Parry Sound	285	117	168	181	11	93	0
Pembroke	209	74	135	186	12	11	0
Peterborough (Tweed)	503	285	218	403	83	17	0
Sault Ste. Marie	97	56	41	78	7	12	0
Sudbury	222	130	92	153	22	47	0
Thunder Bay	98	54	44	73	8	17	0
Wawa	2	2	0	1	0	1	0
TOTAL	3,614	2,278	1,336	2,868	442	304	0

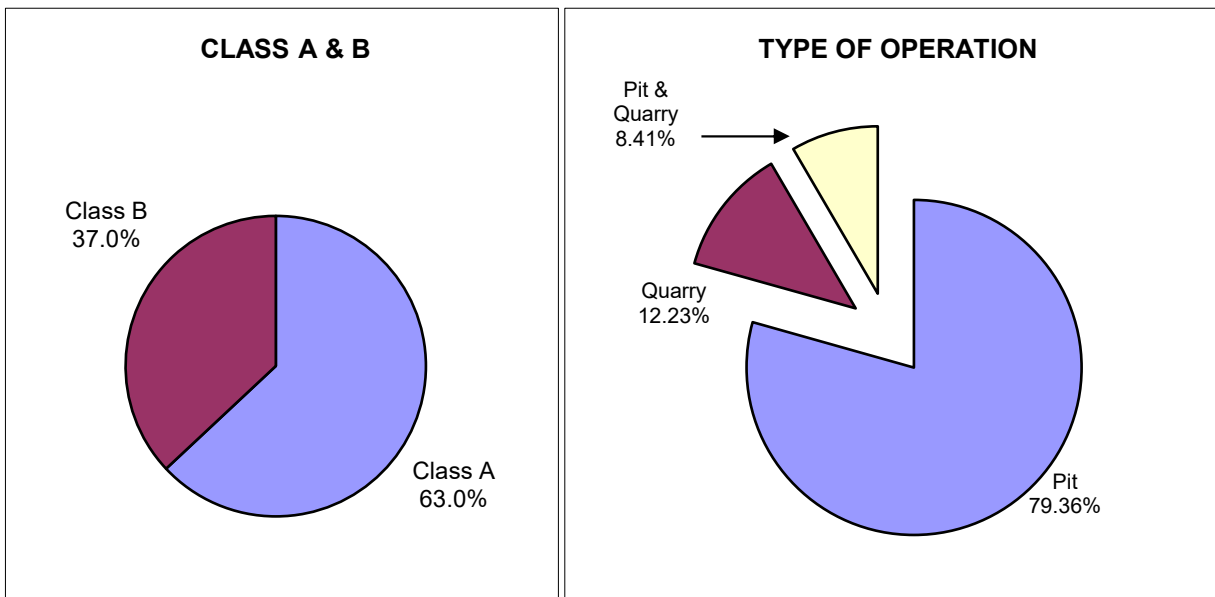


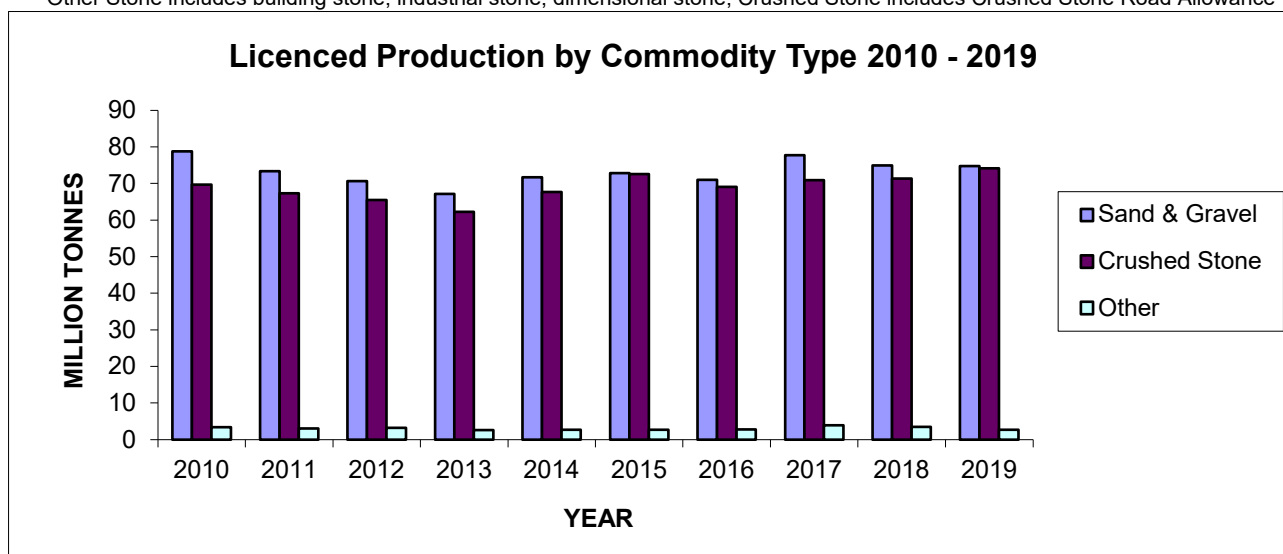
Table 6

**2019 LICENCED AGGREGATE PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	17,566,760.46	8,853,934.86	8,253,431.00	399,503.81	59,890.79
Aylmer	16,222,939.54	11,395,563.18	4,765,910.69	20,563.67	40,902.00
Bancroft	4,804,831.81	799,305.43	3,770,399.78	0.00	235,126.60
Guelph (Cambridge)	37,473,186.27	23,344,822.44	14,038,011.03	84,501.73	5,851.07
Kemptville	19,928,627.26	3,026,837.87	15,424,156.81	2,862.80	1,474,769.78
Midhurst	20,176,840.61	10,506,046.48	9,427,028.17	27,993.40	215,772.56
North Bay	1,219,795.79	774,404.40	418,392.67	1,638.00	25,360.72
Parry Sound	3,624,499.45	1,407,805.30	2,197,774.46	56.00	18,863.69
Pembroke	1,953,191.57	1,416,599.40	532,931.99	0.00	3,660.18
Peterborough	17,955,861.47	8,247,980.75	9,664,477.63	9,890.39	33,512.70
Sault Ste. Marie	3,114,038.37	1,381,108.66	1,730,986.71	1,523.00	420.00
Sudbury	6,400,868.46	2,604,230.90	3,787,299.35	1,668.81	7,669.40
Thunder Bay	1,078,761.46	968,818.66	109,892.01	0.00	50.79
TOTAL	151,520,202.52	74,727,458.33	74,120,692.30	550,201.61	2,121,850.28

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
2010	151.76	78.78	69.64	3.34
2011	143.73	73.36	67.34	3.03
2012	139.30	70.60	65.50	3.20
2013	131.97	67.13	62.23	2.61
2014	142.02	71.68	67.67	2.67
2015	148.06	72.83	72.55	2.68
2016	142.86	71.01	69.10	2.75
2017	152.60	77.76	70.90	3.94
2018	149.74	74.92	71.37	3.45
2019	151.52	74.73	74.12	2.67

Table 7

**2019 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

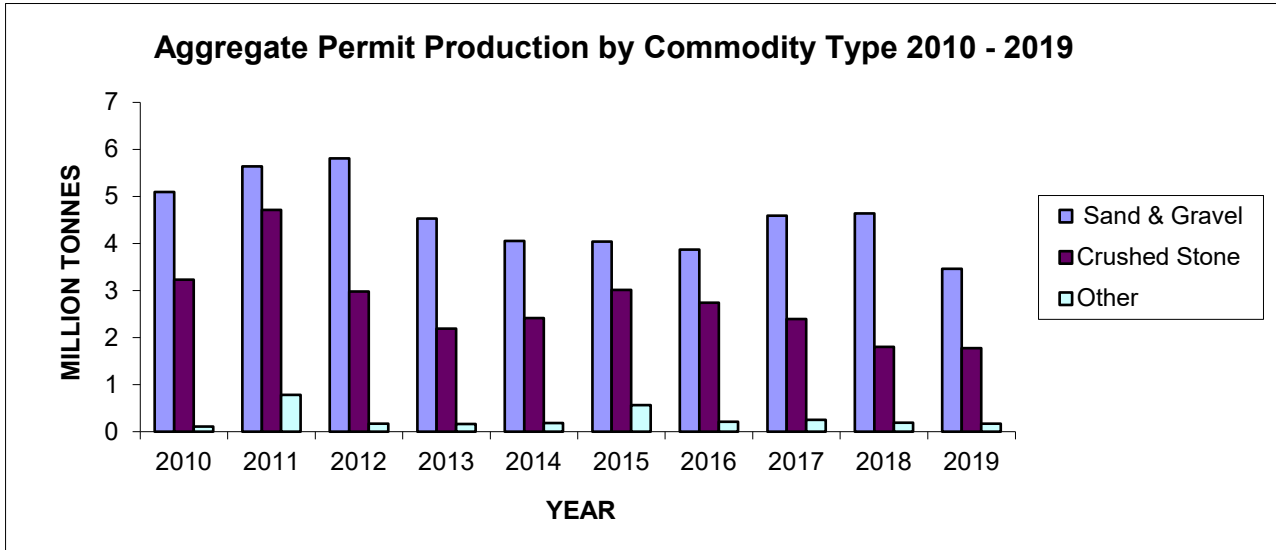
Region/District	Total Production	Sand & Gravel	Crushed Stone	Clay/Shale	Other Stone
NORTHEAST					
Chapleau	52,295.04	52,295.04	-	-	-
Cochrane	200,779.09	122,232.09	78,547.00	-	-
Hearst	218,386.28	105,363.92	111,838.36	1,184.00	-
Kirkland Lake	260,251.40	258,133.40	2,118.00	-	-
North Bay	438,989.33	276,055.45	160,644.34	-	2,289.54
Sault Ste. Marie	176,033.20	173,724.20	-	2,309.00	-
Sudbury	623,215.02	360,557.87	262,263.53	57.12	336.50
Timmins	208,097.29	208,097.29	-	-	-
Wawa	232,613.82	150,320.82	74,817.00	7,476.00	-
Sub-Total	2,410,660.47	1,706,780.08	690,228.23	11,026.12	2,626.04
NORTHWEST					
Dryden	574,014.01	209,766.01	361,545.00	-	2,703.00
Fort Frances	314,901.68	304,962.68	9,249.00	-	690.00
Kenora	206,651.68	114,447.57	82,867.70	-	9,336.41
Nipigon	197,987.45	126,829.31	68,282.30	-	2,875.84
Red Lake	109,500.22	107,835.23	1,664.99	-	-
Sioux Lookout	538,824.02	498,149.02	40,675.00	-	-
Thunder Bay	374,815.85	245,314.80	129,452.00	-	49.05
Sub-Total	2,316,694.91	1,607,304.62	693,735.99	-	15,654.30
SOUTHCENTRAL					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	2,280.50	2,280.50	-	-	-
Bancroft	492,172.47	57,783.62	294,967.73	288.00	139,133.12
Guelph (Cambridge)	-	-	-	-	-
Kemptville	1,166.00	1,166.00	-	-	-
Midhurst	-	-	-	-	-
Parry Sound	72,334.41	37,330.64	34,151.77	-	852.00
Pembroke	54,663.09	48,813.09	5,850.00	-	-
Peterborough (Tweed)	49,242.30	-	49,242.30	-	-
Sub-Total	671,858.77	147,373.85	384,211.80	288.00	139,985.12
TOTAL	5,399,214.15	3,461,458.55	1,768,176.02	11,314.12	158,265.46

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2019 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported By Year)**



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

	Total	Sand & Gravel	Crushed Stone	Other
2010	8.43	5.09	3.23	0.11
2011	11.13	5.64	4.71	0.78
2012	8.96	5.81	2.98	0.17
2013	6.88	4.53	2.19	0.16
2014	6.64	4.05	2.41	0.18
2015	7.61	4.04	3.01	0.56
2016	6.82	3.87	2.74	0.21
2017	7.23	4.59	2.39	0.25
2018	6.63	4.64	1.80	0.19
2019	5.40	3.46	1.77	0.17

Table 9

**2019 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	2,281	2,281	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)	551,564	71,847	339,444	288	139,985
East (6)	60,761	50,145	10,616	0	0
Northeast (7)	2,062,928	1,396,874	662,187	1,241	2,626
Northwest (8)	2,721,680	1,940,312	755,929	9,785	15,654
TOTAL	5,399,214	3,461,459	1,768,176	11,314	158,265

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

**2019 AGGREGATE LICENCE PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	21,460,341	15,782,184	5,565,280	66,124	46,753
Peninsula (2)	16,676,043	3,616,015	13,021,087	38,941	0
West Central (3)	35,736,582	25,848,233	9,644,583	27,993	215,773
GTA (4)	17,569,760	8,856,835	8,253,431	399,504	59,991
East Central (5)	21,466,200	9,290,088	11,889,888	9,271	276,952
East (6)	25,800,194	5,141,766	19,166,959	3,482	1,487,987
Northeast (7)	8,611,348	3,841,256	4,732,805	3,363	33,924
Northwest (8)	4,199,734	2,351,081	1,846,659	1,523	471
TOTAL	151,520,203	74,727,458	74,120,692	550,202	2,121,850

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

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

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

Table 10

**REHABILITATION OF
LICENCED AGGREGATE SITES IN 2019
(Reported by MNR District)**

District	Total No. of Licences	Total Licenced Area	Original Disturbed Area	New Disturbed Area	New Rehab. Area	Total Disturbed Area
Aurora (GTA)	128	7,707.88	2,559.60	86.46	51.10	2,594.96
Aylmer	277	8,315.69	2,784.27	131.42	87.52	2,828.16
Bancroft	265	9,288.48	1,347.20	50.69	7.42	1,390.47
Guelph (Cambridge)	449	16,574.10	5,387.57	166.94	173.15	5,381.35
Kemptville	458	14,438.11	4,778.31	131.47	73.04	4,836.74
Midhurst	480	16,132.84	4,469.99	118.08	97.57	4,490.50
North Bay	141	6,299.93	816.24	20.15	0.00	836.39
Parry Sound	285	9,016.17	2,147.61	28.82	10.73	2,165.70
Pembroke	209	5,402.06	984.47	54.24	15.06	1,023.66
Peterborough (Tweed)	503	15,066.54	4,072.48	139.60	68.12	4,143.96
Sault Ste. Marie	97	3,790.61	770.42	15.60	3.96	782.07
Sudbury	222	15,805.38	1,722.72	44.40	29.75	1,737.37
Thunder Bay	98	7,007.85	580.01	17.83	23.72	574.12
Wawa	2	46.87	0.25	0.00	0.00	0.25
TOTAL	3,614	134,892.51	32,421.13	1,005.71	641.15	32,785.70

Note: Areas reported in hectares

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

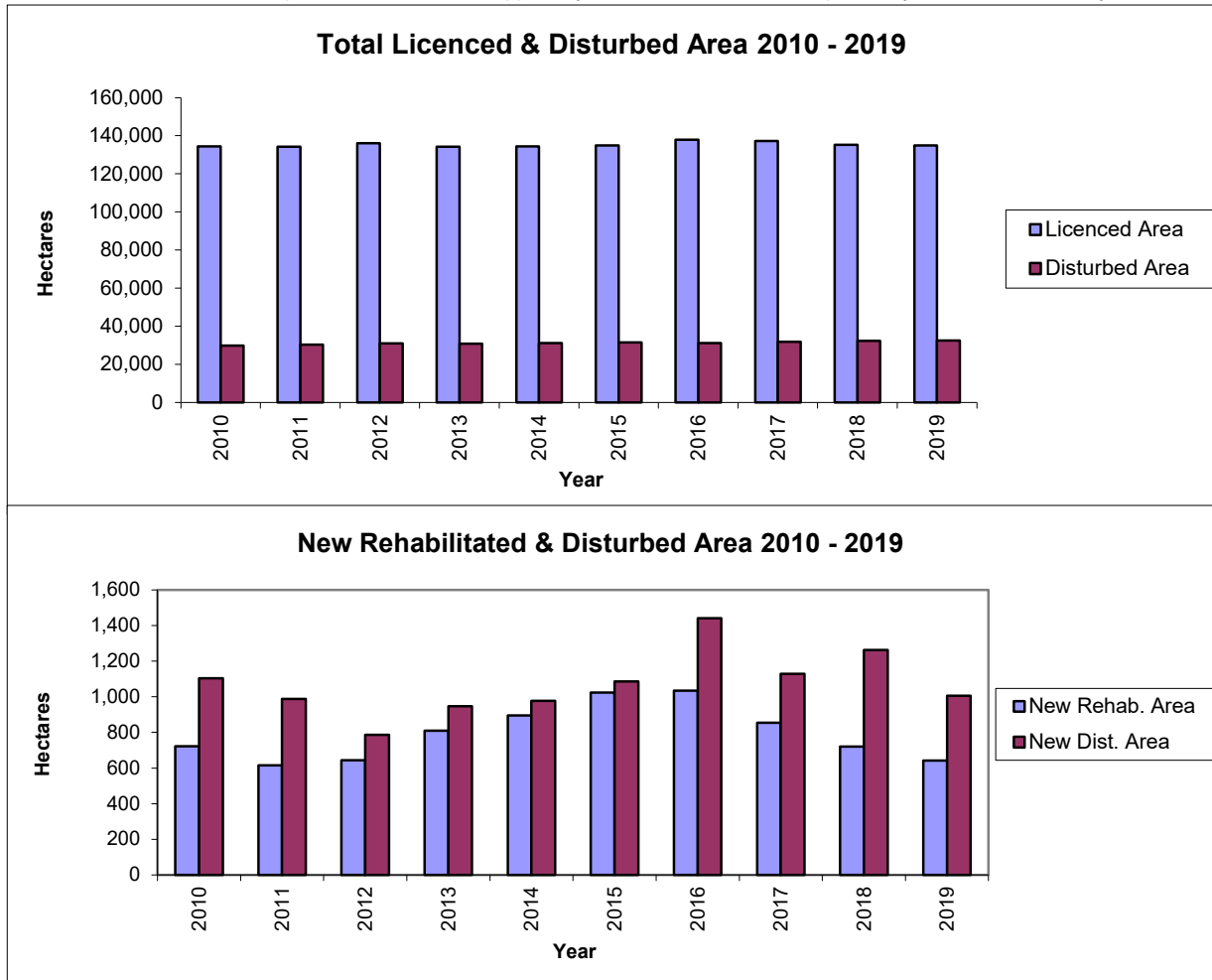


Table 11

**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	1,178.74	70	67	3	0	0
Cochrane	3,472.98	111	95	10	6	0
Hearst	3,653.90	176	150	24	2	0
Kirkland Lake	2,000.03	148	136	9	3	0
North Bay	3,305.48	184	141	31	12	0
Sault Ste. Marie	1,032.40	84	78	4	2	0
Sudbury	5,108.16	161	120	23	18	0
Timmins	2,146.47	135	121	9	5	0
Wawa	2,360.41	159	141	11	7	0
Sub-Total	24,258.57	1,228	1,049	124	55	0
NORTHWEST						
Dryden	2,461.78	173	152	10	11	0
Fort Frances	2,512.24	208	182	8	18	0
Kenora	3,169.21	177	124	24	29	0
Nipigon	3,522.64	197	158	17	22	0
Red Lake	1,269.69	70	62	5	3	0
Sioux Lookout	2,570.95	88	83	2	3	0
Thunder Bay	4,477.53	159	119	25	15	0
Sub-Total	19,984.04	1,072	880	91	101	0
SOUTHCENTRAL						
Aylmer	0.10	1	0	0	0	1
Bancroft	1,384.81	69	53	16	0	0
Guelph (Cambridge)	0.00	0	0	0	0	0
Kemptville	2.00	1	1	0	0	0
Parry Sound	891.55	83	56	19	8	0
Pembroke	132.45	34	33	1	0	0
Peterborough (Tweed)	38.55	3	0	2	1	0
Sub-Total	2,449.46	191	143	38	9	1
TOTAL	46,692.07	2,491	2,072	253	165	1

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.

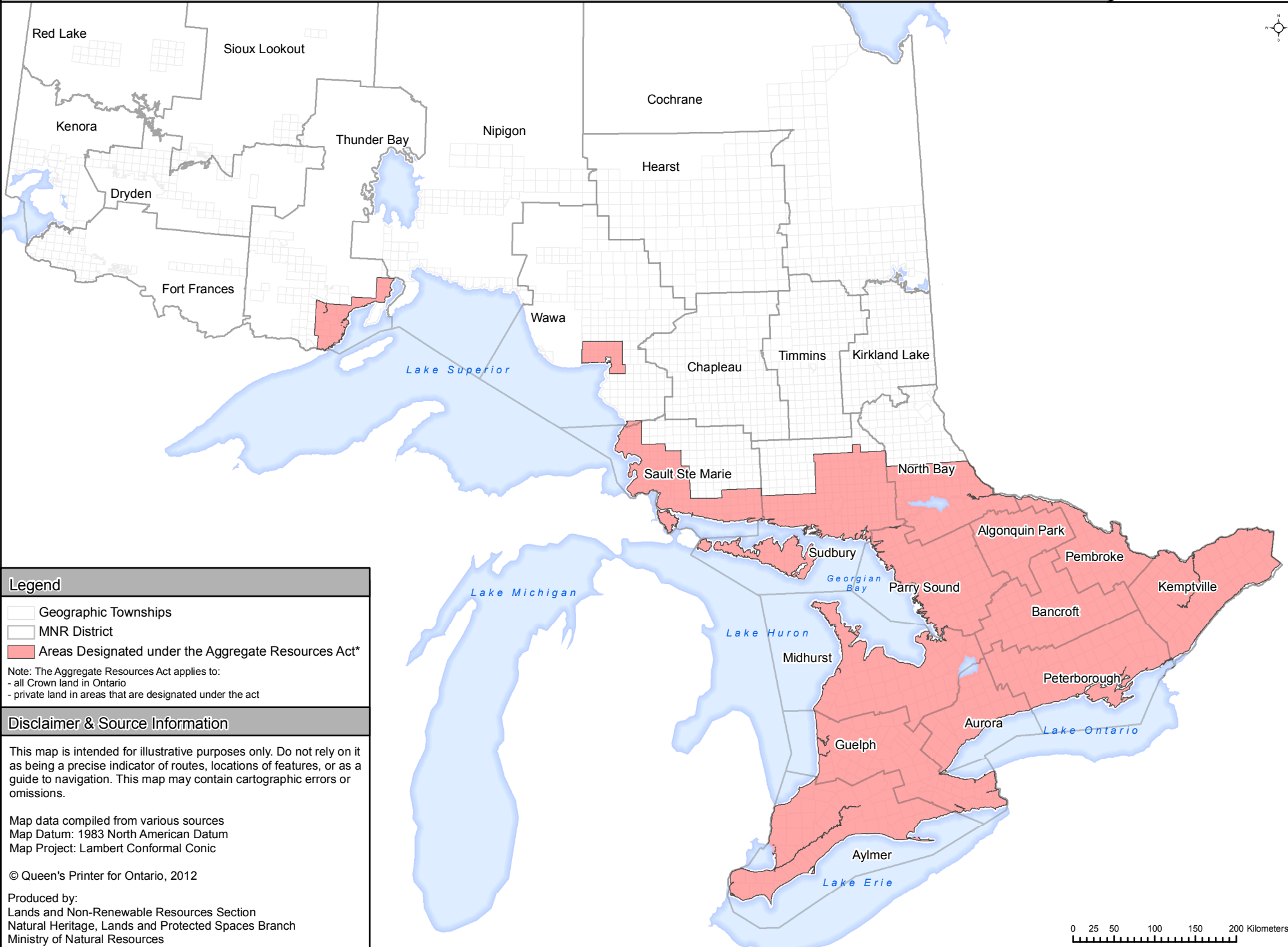
CANADIAN PORTLAND CEMENT ASSOCIATION* GEOGRAPHIC AREAS

* 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.

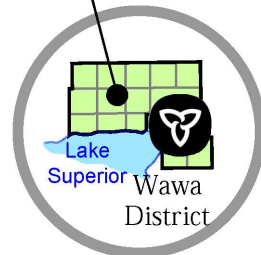
Map data compiled from various sources
Map Datum: 1983 North American Datum
Map Project: Lambert Conformal Conic

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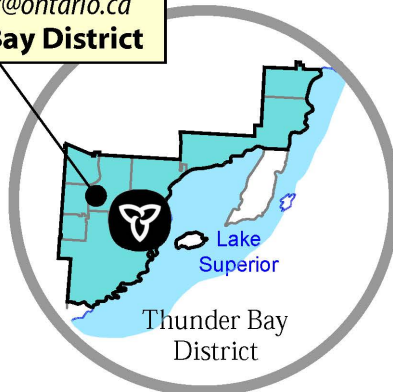
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ANNUAL AGGREGATE LICENCE / PERMIT FEE 2021 (adjusted annually subject to inflation see: https://www.ontario.ca/page/aggregate-resources#section-13)	
Charge	2021 Production
Annual Fee - Class A Licences and Aggregate Permits authorized to remove more than 20,000 tonnes annually	20.8¢ / tonne or \$724, whichever is greater
Annual Fee - Class B Licences and Aggregate Permits authorized to remove 20,000 tonnes or less annually	20.8¢ / tonne or \$361, whichever is greater
Distribution	
Fees collected from licences, wayside permits and aggregate permits will be distributed approximately as follows:	
<ul style="list-style-type: none"> • 3% to the Aggregate Resources Trust Fund for rehabilitation and research • 61% to the local municipality in which the site is located • 15% to the upper-tier municipality in which the site is located • 21% to the Crown (minimum) 	



Compiled by **MHBC Planning** with the cooperation and assistance of the Ministry of Natural Resources and Forestry, Aggregate Resources Program staff (February 2021)

2021 MNR District Aggregate Staff

ATS: Aggregate Technical Specialist
RMS: Resource Management Supervisor

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE

AGGREGATE RESOURCES ACT DESIGNATED AREAS

Kitchener	519.576.3650
Woodbridge	905.761.5588
London	519.858.2797
Kingston	613.384.7067
Barrie	705.728.0045
Burlington	905.639.8686