



AGGREGATE RESOURCES STATISTICS IN ONTARIO

PRODUCTION STATISTICS 2021



**94,000
TONNES**

of aggregate are needed
to build a hospital



**36,000
TONNES**

of aggregate are used to build
1 km of a 4-lane highway



**250
TONNES**

of aggregate are needed to
build the average home



**\$1.6
BILLION**

is the annual contribution of
aggregate to the Ontario GDP

AGGREGATE FOUNDATIONS

AGGREGATE RESOURCES STATISTICS IN ONTARIO

PRODUCTION STATISTICS

2021

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. Aggregates contribute \$1.6B to the Ontario GDP annually.

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 2021, there were 3,586 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,461 aggregate permits on Crown land and 2 wayside permits.

Aggregate Production

Production of mineral aggregates in 2021 totaled just over 178.0 million tonnes, an increase of 10.1 million tonnes or +6.0% greater than the tonnage reported in the previous year. Production from licenced operations was up 8.9 million tonnes or +5.6% compared to 2020 (166.8 million in 2021 from 157.9 million tonnes in 2020). Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. A second Wayside permit was granted in 2021; small volume production increases to 0.35 million in 2021 from 0.2 million in 2020. Production from aggregate permits on Crown Land increased (19.5%) from 2020 (6.62 million in 2021 from 5.54 million tonnes in 2020).

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

Note to the Reader:

The statistics in this report reflects aggregate sites that fall within the Designated Area of the Pits and Quarries Control Act or the more recent Aggregate Resources Act. This geographical area has increased periodically throughout the years resulting in increases in licensed or permitted sites subject to the applicable Act, which are not necessarily new aggregate sites being created. Please refer to Appendix B for a list of the historical designation of private land under the Pits and Quarries Control Act and the Aggregate Resources Act.

Data used to in this report for statistics on changes to the disturbed areas, including new rehabilitated area and new disturbed area is supplied by licencees and permittees and are not independently audited by TOARC. This data reflects what is reported on Compliance Assessment reports submitted to the Ministry of Natural Resources and Forestry.

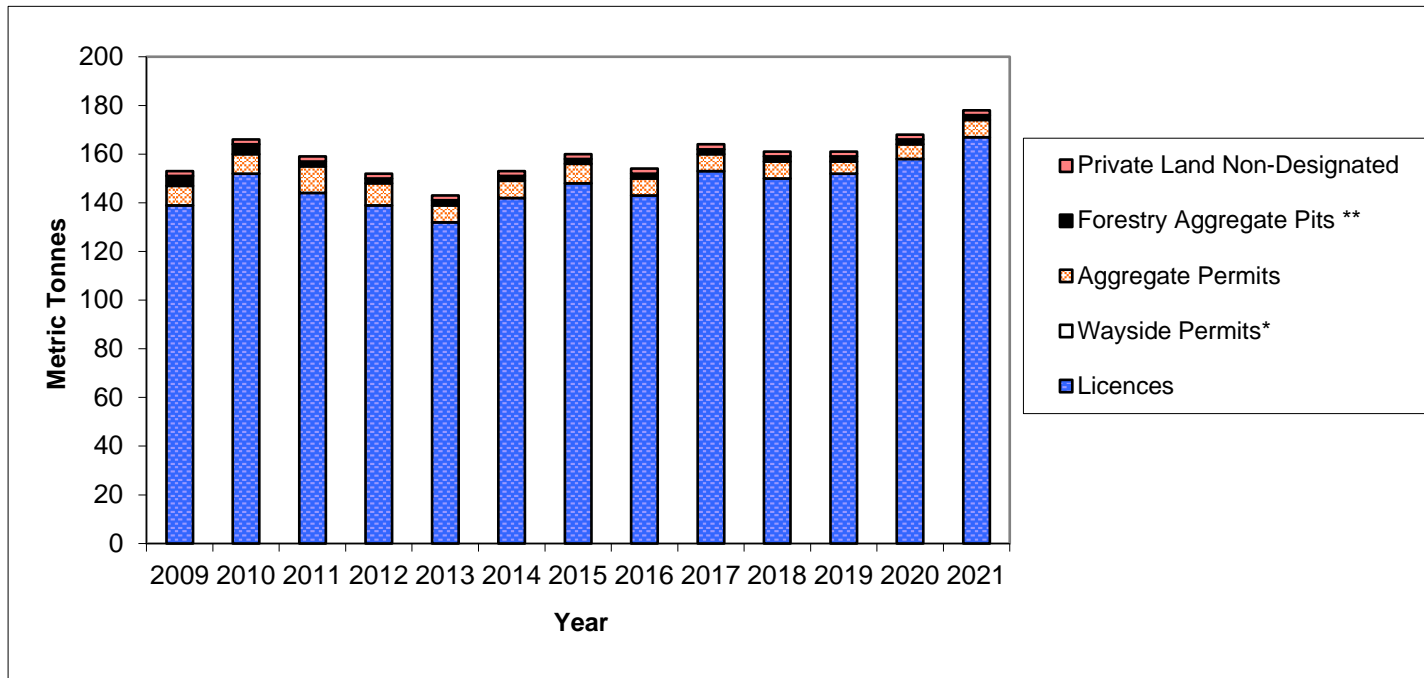
Table 1

AGGREGATE PRODUCTION IN ONTARIO - 2009 - 2021
(rounded to nearest million tonnes)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Licences	139	152	144	139	132	142	148	143	153	150	152	158	167
Wayside Permits*	0	0	0	0	0	0	0	0	0	0	0	0	0
Aggregate Permits	8	8	11	9	7	7	8	7	7	7	5	6	7
Forestry Aggregate Pits **	4	4	2	2	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	153	166	159	152	143	153	160	154	164	161	161	168	178

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

*Actual production for Wayside Permits was .1 million tonnes for 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, 2020, 2021. ** Formerly Category 14



Production Statistics Report
Table 2 Lower Tier Grouping Guidelines

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

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

Table 2

**2021 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	80,521.62		80,521.62
Blind River, Town of	67,611.58		67,611.58
Bruce Mines, Town of/Plummer Additional Tp	1,518,377.24		1,518,377.24
Elliot Lake, City of/Spanish, Town of/The North Shore Tp	47,394.00		47,394.00
Hilton Tp	26,110.00		26,110.00
Huron Shores, Municipality of	794,125.88		794,125.88
Jocelyn Tp	55,351.00		55,351.00
Johnson Tp/Tarbutt & Tarbutt Add'l Tp	30,932.60		30,932.60
Laird Tp/St. Joseph Tp/Macdonald, Meredith & Aberdeen Add'l	16,516.00		16,516.00
Sault Ste. Marie, City of/Prince Tp/Wawa	652,141.74		652,141.74
Sub-Total	3,289,081.66	0.00	3,289,081.66
<i>Brant</i>			
Brant, County of/Brantford, City of	3,368,333.79		3,368,333.79
Sub-Total	3,368,333.79	0.00	3,368,333.79
<i>Bruce</i>			
Arran-Elderslie, Municipality of	172,592.89		172,592.89
Brockton, Municipality of	63,183.92		63,183.92
Huron-Kinloss Tp	184,222.14		184,222.14
Kincardine, Municipality of	35,004.69		35,004.69
Northern Bruce Peninsula, Municipality of	204,936.31		204,936.31
Saugeen Shores, Town of	186,526.10		186,526.10
South Bruce Peninsula, Town of	334,438.48		334,438.48
South Bruce, Municipality of	582,812.33		582,812.33
Sub-Total	1,763,716.86	0.00	1,763,716.86
<i>Chatham-Kent</i>			
Chatham-Kent, Municipality of	169,234.26		169,234.26
Sub-Total	169,234.26	0.00	169,234.26
<i>Dufferin</i>			
Amaranth Tp/East Luther Grand Valley Tp	40,066.64		40,066.64
East Garafraxa Tp	990,200.17		990,200.17
Melancthon Tp	944,566.95		944,566.95
Mono Tp	330,270.31		330,270.31
Mulmur Tp	206,280.42		206,280.42
Sub-Total	2,511,384.49	0.00	2,511,384.49
<i>Durham</i>			
Brock Tp	1,318,172.01		1,318,172.01
Clarington, Municipality of	4,201,474.79		4,201,474.79
Oshawa, City of/Scugog Tp	139,090.98		139,090.98
Uxbridge Tp	3,063,085.58		3,063,085.58
Sub-Total	8,721,823.36	0.00	8,721,823.36
<i>Elgin</i>			
Bayham/West Elgin, Municipality of/Malahide Tp	260,345.94		260,345.94
Central Elgin, Municipality of	411,941.17		411,941.17
Sub-Total	672,287.11	0.00	672,287.11

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	Licences	Wayside Permits	Total
Essex			
Amherstburg, Town of/Leamington, Municipality of/Pelee Tp	2,758,459.00	150,000.00	2,908,459.00
Kingsville, Town of	380,354.00		380,354.00
Sub-Total	3,138,813.00	150,000.00	3,288,813.00
Frontenac			
Central Frontenac Tp	110,206.56		110,206.56
Frontenac Islands Tp	117,976.70		117,976.70
Kingston, City of	1,085,431.32		1,085,431.32
North Frontenac Tp	219,441.97		219,441.97
South Frontenac Tp	481,070.87		481,070.87
Sub-Total	2,014,127.42	0.00	2,014,127.42
Greater Sudbury			
Greater Sudbury, City of	2,156,634.95		2,156,634.95
Sub-Total	2,156,634.95	0.00	2,156,634.95
Grey			
Chatsworth Tp	450,962.82		450,962.82
Georgian Bluffs Tp	729,242.82		729,242.82
Grey Highlands, Municipality of	1,305,440.99		1,305,440.99
Meaford, Municipality of	556,584.90		556,584.90
Southgate Tp	707,283.59		707,283.59
The Blue Mountains, Town of	191,230.24		191,230.24
West Grey, Municipality of	1,292,697.80		1,292,697.80
Sub-Total	5,233,443.16	0.00	5,233,443.16
Haldimand			
Haldimand, County of	1,300,201.00		1,300,201.00
Sub-Total	1,300,201.00	0.00	1,300,201.00
Haliburton			
Algonquin Highlands Tp	130,588.07		130,588.07
Dysart et al Tp	332,403.01		332,403.01
Highlands East Tp	17,112.57		17,112.57
Minden Hills Tp	136,678.35		136,678.35
Sub-Total	616,782.00	0.00	616,782.00
Halton			
Burlington, City of/Halton Hills, Town of	4,368,314.09		4,368,314.09
Milton, Town of	544,983.00		544,983.00
Sub-Total	4,913,297.09	0.00	4,913,297.09
Hamilton			
Hamilton, City of	6,699,184.00		6,699,184.00
Sub-Total	6,699,184.00	0.00	6,699,184.00

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	Licences	Wayside Permits	Total
Hastings			
Bancroft, Town of/Limerick Tp	85,223.15		85,223.15
Belleville, City of	688,771.34		688,771.34
Carlo/Mayo Tp	10,467.70		10,467.70
Centre Hastings, Municipality of	246,301.05		246,301.05
Faraday Tp	19,455.02		19,455.02
Hasting Highlands, Municipality of	208,680.20		208,680.20
Madoc Tp	723,000.24		723,000.24
Marmora & Lake, Municipality of/Stirling-Rawdon Tp	37,068.18		37,068.18
Quinte West, City of	521,687.40		521,687.40
Tweed, Municipality of	54,310.18		54,310.18
Tyendinaga Tp	250,528.55		250,528.55
Wollaston Tp	37,154.61		37,154.61
Sub-Total	2,882,647.62	0.00	2,882,647.62
Huron			
Ashfield-Colborne-Wawanosh Tp	1,693,924.69		1,693,924.69
Bluewater, Municipality of	25,528.00		25,528.00
Central Huron, Municipality of	353,881.85	200,000.00	553,881.85
Howick Tp	755,956.70		755,956.70
Huron East, Municipality of	811,830.42		811,830.42
Morris-Turnberry, Municipality of	146,929.85		146,929.85
North Huron Tp	114,733.79		114,733.79
South Huron, Municipality of	104,647.99		104,647.99
Sub-Total	4,007,433.29	200,000.00	4,207,433.29
Kawartha Lakes			
Kawartha Lakes, City of	6,354,858.79		6,354,858.79
Sub-Total	6,354,858.79	0.00	6,354,858.79
Lambton			
Lambton Shores, Municipality of	306,692.87		306,692.87
Warwick Tp/Plympton-Wyoming, Town of	236,243.57		236,243.57
Sub-Total	542,936.44	0.00	542,936.44
Lanark			
Beckwith Tp/Drummond-North Elmsley Tp	347,747.23		347,747.23
Lanark Highlands Tp/Tay Valley Tp	1,495,306.84		1,495,306.84
Mississippi Mills, Town of	358,671.00		358,671.00
Montague Tp	245,787.98		245,787.98
Sub-Total	2,447,513.05	0.00	2,447,513.05

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	(Reported in Metric Tonnes)	Licences	Wayside Permits	Total
<i>Leeds & Grenville</i>				
Athens Tp/Front of Yonge Tp/Leeds and Thousand Islands Tp		667,181.99		667,181.99
Augusta Tp		43,023.47		43,023.47
Edwardsburgh-Cardinal Tp		222,502.32		222,502.32
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of		308,251.03		308,251.03
North Grenville Tp		528,745.01		528,745.01
Rideau Lakes Tp		268,193.24		268,193.24
Sub-Total		2,037,897.06	0.00	2,037,897.06
<i>Lennox & Addington</i>				
Addington Highlands Tp		31,310.26		31,310.26
Greater Napanee, Town of		386,957.14		386,957.14
Loyalist Tp		1,746,970.94		1,746,970.94
Stone Mills Tp		77,011.27		77,011.27
Sub-Total		2,242,249.61	0.00	2,242,249.61
<i>Manitoulin District</i>				
Assignack Tp/Billings Tp		36,711.00		36,711.00
Central Manitoulin Tp		42,864.80		42,864.80
Gordon/Barrie Island/Burpee & Mills Tp/Cockburn Island Tp		3,473,938.04		3,473,938.04
Northeastern Manitoulin & The Islands		24,597.38		24,597.38
Tehkummah Tp		142,178.75		142,178.75
Unorganized - Manitoulin D		16,364.40		16,364.40
Sub-Total		3,736,654.37	0.00	3,736,654.37
<i>Middlesex</i>				
Adelaide Metcalfe Tp/Strathroy-Caradoc Tp		131,875.97		131,875.97
London, City of		499,613.40		499,613.40
Lucan Biddulph Tp/North Middlesex, Municipality of		88,011.39		88,011.39
Middlesex Centre Tp		230,330.93		230,330.93
Thames Centre, Municipality of		2,648,447.72		2,648,447.72
Sub-Total		3,598,279.41	0.00	3,598,279.41
<i>Muskoka</i>				
Bracebridge		1,156,704.90		1,156,704.90
Georgian Bay Tp		34,553.00		34,553.00
Gravenhurst		211,493.99		211,493.99
Huntsville		1,624,386.43		1,624,386.43
Lake of Bays Tp		219,863.78		219,863.78
Muskoka Lakes Tp		380,286.94		380,286.94
Sub-Total		3,627,289.04	0.00	3,627,289.04
<i>Niagara</i>				
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp		2,822,401.15		2,822,401.15
Lincoln, Town of/Niagara-on-the-Lake, Town of		1,646,507.00		1,646,507.00
Niagara Falls, City of		654,484.15		654,484.15
Sub-Total		5,123,392.30	0.00	5,123,392.30

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	Licences	Wayside Permits	Total
<i>Nipissing District</i>			
Bonfield Tp	97,074.69		97,074.69
Calvin Tp/East Ferris, Municipality of	50,526.50		50,526.50
Chisholm Tp	20,922.24		20,922.24
Mattawan Tp/South Algonquin Tp/Unorganized - Nippissing D	20,095.50		20,095.50
North Bay, City of	536,796.94		536,796.94
Papineau-Cameron Tp	28,587.00		28,587.00
West Nipissing, Municipality of	372,593.67		372,593.67
Unorganized - Manitoulin D	2,919.00		2,919.00
Sub-Total	1,129,515.54	0.00	1,129,515.54
<i>Norfolk</i>			
Norfolk, County of	978,779.30		978,779.30
Sub-Total	978,779.30	0.00	978,779.30
<i>Northumberland</i>			
Alnwick-Haldimand Tp	530,399.58		530,399.58
Brighton, Municipality of	473,258.89		473,258.89
Cramahe Tp	1,976,954.08		1,976,954.08
Hamilton Tp	112,136.00		112,136.00
Port Hope, Municipality of	42,437.16		42,437.16
Trent Hills, Municipality of	140,040.75		140,040.75
Sub-Total	3,275,226.46	0.00	3,275,226.46
<i>Ottawa</i>			
Ottawa, City of	13,425,392.74		13,425,392.74
Sub-Total	13,425,392.74	0.00	13,425,392.74
<i>Oxford</i>			
Blandford-Blenheim Tp	583,235.83		583,235.83
East Zorra-Tavistock Tp/Norwich Tp	123,922.14		123,922.14
South-West Oxford Tp	1,529,325.66		1,529,325.66
Zorra Tp	5,438,078.32		5,438,078.32
Sub-Total	7,674,561.95	0.00	7,674,561.95
<i>Parry Sound District</i>			
Armour Tp/Burks Falls, Village of	26,593.00		26,593.00
Callander, Municipality of	43,431.50		43,431.50
Carling Tp/The Archipelago Tp/McKeller Tp	22,695.81		22,695.81
Joly Tp	40,288.84		40,288.84
Kearney, Town of	14,604.70		14,604.70
Macher Tp	44,480.99		44,480.99
Magnetawan, Municipality of	188,106.93		188,106.93
McDougall Tp/Parry Sound, Town of	57,080.62		57,080.62
McMurrich-Monteith Tp	23,438.18		23,438.18
Nipissing Tp	19,427.00		19,427.00
Perry Tp	42,506.52		42,506.52
Powassan, Municipality of	237,252.50		237,252.50
Ryerson Tp	66,211.49		66,211.49
Seguin Tp	591,220.71		591,220.71
Strong Tp	12,579.68		12,579.68
Unorganized - Parry Sound	162,268.13		162,268.13
Whitestone The Municipality of	29,682.12		29,682.12
Sub-Total	1,621,868.72	0.00	1,621,868.72

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	Licences	Wayside Permits	Total
Peel			
Caledon, Town of	3,350,670.65		3,350,670.65
Sub-Total	3,350,670.65	0.00	3,350,670.65
Perth			
Perth East Tp/North Perth, Town of	533,772.33		533,772.33
Perth South Tp/St. Marys, Separated Town of	2,256,186.34		2,256,186.34
West Perth Tp	292,069.74		292,069.74
Sub-Total	3,082,028.41	0.00	3,082,028.41
Peterborough			
Asphodel-Norwood Tp	308,516.20		308,516.20
Cavan-Millbrook-North Monaghan Tp/Otonabee-South Monaghan	407,596.74		407,596.74
Douro-Dummer Tp	383,916.00		383,916.00
Havelock-Belmont-Methuen Tp	1,265,719.10		1,265,719.10
North Kawartha Tp	17,145.24		17,145.24
Selwyn Tp	291,855.62		291,855.62
Trent Lakes, Municipality of	931,890.56		931,890.56
Sub-Total	3,606,639.46	0.00	3,606,639.46
Prescott & Russell			
Alfred & Plantagenet Tp	392,542.41		392,542.41
Champlain Tp	398,497.40		398,497.40
Clarence-Rockland, City of	92,844.80		92,844.80
East Hawkesbury Tp	17,429.00		17,429.00
Russell Tp	31,591.56		31,591.56
The Nation, Municipality of	328,386.51		328,386.51
Sub-Total	1,261,291.68	0.00	1,261,291.68
Prince Edward Co			
Prince Edward, County of	1,696,433.96		1,696,433.96
Sub-Total	1,696,433.96	0.00	1,696,433.96
Renfrew			
Admaston-Bromley Tp/Renfrew, Town of	490,240.84		490,240.84
Bonnechere Valley Tp	111,888.97		111,888.97
Brudenell, Lyndoc and Raglan Tp	35,604.89		35,604.89
Deep River Tp/Head, Clara & Maria Tp	61,478.00		61,478.00
Greater Madawaska Tp	28,931.00		28,931.00
Horton Tp	282,158.02		282,158.02
Killaloe, Hagarty and Richards Tp	78,710.27		78,710.27
Laurentian Hills	35,189.33		35,189.33
Laurentian Valley Tp	406,069.35		406,069.35
Madawaska Valley	210,680.98		210,680.98
McNab-Braeside Tp	623,967.86		623,967.86
North Algona-Wilberforce Tp	60,727.97		60,727.97
Petawawa, Town of	155,867.60		155,867.60
Whitewater Region Tp	190,407.92		190,407.92
Sub-Total	2,771,923.00	0.00	2,771,923.00

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	Licences	Wayside Permits	Total
<i>Simcoe</i>			
Adjala-Tosorontio Tp/New Tecumseth, Town of	600,611.13		600,611.13
Clearview Tp	1,652,540.60		1,652,540.60
Collingwood, Town of/Essa Tp/Innisfil, Town of	78,981.42		78,981.42
Midland, Town of/Penetanguishine, Town of/	239,734.00		239,734.00
Oro-Medonte Tp	2,480,352.27		2,480,352.27
Ramara Tp	3,513,725.31		3,513,725.31
Severn Tp	5,502,499.17		5,502,499.17
Springwater Tp	1,331,861.55		1,331,861.55
Tay Tp	306,797.00		306,797.00
Tiny Tp	561,653.40		561,653.40
Sub-Total	16,268,755.85	0.00	16,268,755.85
<i>Stormont, Dundas & Glengarry</i>			
North Dundas Tp	834,956.34		834,956.34
North Glengarry Tp/South Glengarry Tp	323,176.98		323,176.98
North Stormont Tp	2,306,781.61		2,306,781.61
South Dundas Tp	140,040.18		140,040.18
South Stormont Tp	754,853.35		754,853.35
Sub-Total	4,359,808.46	0.00	4,359,808.46
<i>Sudbury District</i>			
Baldwin Tp	64,736.91		64,736.91
French River, Municipality of	159,901.52		159,901.52
Markstay-Warren, Municipality of	46,163.01		46,163.01
Sables Spanish Rivers Tp/Nairn & Hyman Tp	90,822.17		90,822.17
Sudbury District, Unorganized	255,052.18		255,052.18
Sub-Total	616,675.79	0.00	616,675.79
<i>Thunder Bay District</i>			
Conmee Tp	198,357.16		198,357.16
Neebing, Municipality of	14,295.88		14,295.88
Oliver Paipoonge, Municipality of	193,269.68		193,269.68
Shuniah Tp	239,144.13		239,144.13
Thunder Bay District, Unorganized	458,648.57		458,648.57
Sub-Total	1,103,715.42	0.00	1,103,715.42
<i>Waterloo</i>			
Cambridge, City of/Kitchener, City of	0.00		0.00
North Dumfries Tp	5,886,824.40		5,886,824.40
Wellesley Tp	1,505,844.56		1,505,844.56
Wilmot Tp	1,043,312.56		1,043,312.56
Woolwich Tp	224,232.01		224,232.01
Sub-Total	8,660,213.53	0.00	8,660,213.53

Table 2

**2021 LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**

Municipality	(Reported in Metric Tonnes)	Licences	Wayside Permits	Total
Wellington				
Centre Wellington Tp		1,126,128.20		1,126,128.20
Erin, Town of		1,289,807.11		1,289,807.11
Guelph-Eramosa Tp		405,608.45		405,608.45
Mapleton Tp		149,214.46		149,214.46
Minto, Town of		288,025.66		288,025.66
Puslinch Tp		4,638,077.65		4,638,077.65
Wellington North Tp		204,172.58		204,172.58
Sub-Total		8,101,034.11	0.00	8,101,034.11
York				
East Gwillimbury, Town of/Georgina, Town of		59,856.06		59,856.06
Whitchurch-Stouffville, Town of		555,673.27		555,673.27
Sub-Total		615,529.33	0.00	615,529.33
GRAND TOTAL		166,769,559.49	350,000.00	167,119,559.49

Table 3

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

Municipality	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Algoma, District of	2.6	2.4	2.7	2.9	2.8	3.1	3.0	3.1	3.0	3.3
Brant Co.	1.7	1.7	1.6	1.9	1.7	2.2	2.6	2.6	3.0	3.4
Bruce Co.	1.5	1.4	1.8	2.0	1.5	1.7	1.8	1.6	2.0	1.8
Chatham-Kent, R. M. of	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.2
Dufferin Co.	2.2	2.3	2.7	2.3	2.2	2.2	1.8	2.1	2.1	2.5
Durham, R. M. of	9.9	10.1	10.3	10.0	9.5	9.3	9.4	8.6	8.7	8.7
Elgin Co.	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.7
Essex Co.	2.0	2.1	1.6	1.9	1.9	2.3	2.6	3.1	3.3	3.3
Frontenac Co.	2.0	2.0	2.0	1.8	1.6	2.3	2.0	2.0	2.3	2.0
Greater Sudbury, City of	2.7	2.6	2.8	3.1	2.6	2.5	2.1	2.6	2.6	2.2
Grey Co.	2.6	2.8	3.2	4.1	3.8	4.3	4.3	4.3	4.5	5.2
Haldimand Co.	1.3	1.2	1.5	0.8	1.1	1.0	1.1	1.2	1.6	1.3
Haliburton Co.	0.4	0.4	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.6
Halton, R. M. of	7.4	6.8	7.7	7.2	6.6	5.6	5.4	5.6	6.3	4.9
Hamilton, City of	5.0	4.9	5.2	5.9	5.9	5.6	6.0	6.9	6.8	6.7
Hastings Co.	2.7	2.5	3.1	2.9	2.8	3.1	2.8	2.7	2.5	3.1
Huron Co.	2.5	2.7	3.7	3.1	3.0	3.2	3.8	3.9	3.8	4.0
Kawartha Lakes, City of	5.1	4.3	5.5	7.0	6.5	6.8	7.2	7.0	6.4	6.4
Lambton Co.	0.4	0.4	0.7	0.6	0.5	0.5	0.6	0.6	0.6	0.5
Lanark Co.	1.5	1.8	1.7	1.9	1.8	2.1	2.2	1.9	2.0	2.4
Leeds & Grenville Co.'s	2.2	1.9	2.2	1.9	2.0	2.2	2.1	2.1	2.0	2.0
Lennox & Addington Co.	2.2	1.8	2.0	2.4	2.0	2.2	2.4	1.9	2.0	2.2
Manitoulin, District of	2.6	2.2	2.8	2.9	3.0	3.0	3.5	3.3	4.1	3.7
Middlesex Co.	3.8	3.6	3.6	3.7	4.0	4.6	4.7	3.9	4.0	3.6
Muskoka	2.0	2.1	2.0	2.3	2.2	2.7	2.4	2.6	2.9	3.6
Niagara, R. M. of	4.7	4.6	4.3	5.0	4.9	4.9	5.2	5.1	5.1	5.1
Nipissing, District of	1.2	1.1	1.2	1.2	1.0	0.9	0.9	1.0	0.9	1.1
Norfolk Co.	0.8	1.0	0.8	0.6	0.7	0.6	0.8	0.9	0.9	1.0
Northumberland Co.	3.1	2.6	2.6	3.1	3.4	3.2	3.1	3.4	3.1	3.3
Ottawa, City of	10.6	9.5	10.0	9.7	8.7	9.7	10.3	11.1	12.7	13.4
Oxford Co.	5.5	5.9	6.3	5.9	6.4	7.4	6.8	7.1	6.6	7.7
Parry Sound, District of	1.5	1.2	1.4	1.3	1.5	1.3	1.4	1.2	1.3	1.6
Peel, R. M. of	3.9	3.6	4.0	3.5	2.5	3.0	2.7	3.0	3.1	3.4
Perth Co.	2.3	2.2	2.5	2.6	2.6	2.6	2.5	2.5	2.6	3.1
Peterborough Co.	2.7	2.6	2.7	3.1	3.1	3.8	3.3	3.8	4.1	3.6
Prescott & Russell Co.'s	1.5	1.4	1.5	1.5	1.4	1.5	1.4	1.2	1.0	1.3
Prince Edward Co.	1.6	1.3	1.5	1.3	1.6	1.4	1.4	1.4	1.6	1.7
Renfrew Co.	2.3	1.9	1.9	2.1	1.9	2.3	2.1	2.0	2.5	2.8
Simcoe Co.	10.7	10.1	11.6	13.4	11.4	13.0	11.9	12.2	13.4	16.3
Stormont, Dundas & Glengarry Co.'s	3.6	3.2	2.8	2.5	2.8	3.0	3.1	3.7	3.4	4.4
Sudbury, District of	1.0	0.8	0.9	0.9	0.6	0.6	0.8	0.6	0.5	0.6
Thunder Bay, District of	1.1	0.8	0.9	0.6	1.5	1.4	1.5	1.1	1.4	1.1
Waterloo, R. M. of	7.3	7.0	7.4	8.7	9.0	8.9	7.9	8.1	8.4	8.7
Wellington Co.	7.4	6.6	6.5	7.1	7.1	8.4	7.7	7.4	7.7	8.1
York, R. M. of	0.9	0.7	0.6	1.1	1.3	0.7	0.5	0.6	0.6	0.6
TOTAL	140.6	132.9	142.9	148.8	143.6	152.6	150.1	151.9	158.1	167.1

Note: Totals may not equal due to rounding.

Table 4

**LICENCE PRODUCTION IN 2021
THE TOP TEN PRODUCING MUNICIPALITIES
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2021 Production	Production(2)				
			2020	2019	2018	2017	2016
1 City of Ottawa	City of Ottawa	13.4	12.7	11.1	10.3	9.7	8.7
2 City of Hamilton	City of Hamilton	6.7	6.8	6.9	6.0	5.6	5.9
3 City of Kawartha Lakes	City of Kawartha Lakes	6.4	6.4	7.0	7.2	6.8	6.5
4 Township of North Dumfries	Waterloo	5.9	5.7	5.1	5.2	5.6	5.5
5 Severn Township	Simcoe	5.5	4.6	3.7	3.6	4.0	3.5
6 Township of Zorra	Oxford	5.4	4.6	5.0	4.7	5.1	4.7
7 Township of Puslinch	Wellington	4.6	4.6	4.2	4.2	4.6	3.5
8 City of Burlington/ Town Of Halton Hills (3)	Halton	4.4	5.3	5.1	5.2	4.7	5.3
9 Municipality of Clarington	Durham	4.2	4.4	4.2	4.4	4.9	5.5
10 Township of Ramara	Simcoe	3.5	3.0	2.9	2.7	2.9	2.2
Total		60.0	58.1	55.2	53.5	53.9	51.3

Notes:

1. Municipalities are ranked in order of their licenced production for 2021.
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 IN 2021
(Reported by MNR District)**

District	No. of Licences	Category		Type of Operation			
		Class A	Class B	Pit	Quarry	Pit & Quarry	Underwater
Aurora (GTA)	126	112	14	108	18	0	0
Aylmer	276	217	59	262	8	6	0
Bancroft	262	103	159	185	37	40	0
Guelph (Cambridge)	442	390	52	402	37	3	0
Kemptville	454	295	159	301	128	25	0
Midhurst	486	383	103	416	65	5	0
North Bay	141	63	78	104	9	28	0
Parry Sound	283	117	166	179	11	93	0
Pembroke	205	75	130	182	12	11	0
Peterborough (Tweed)	498	282	216	401	80	17	0
Sault Ste. Marie	97	56	41	78	7	12	0
Sudbury	219	130	89	151	22	46	0
Thunder Bay	95	53	42	70	8	17	0
Wawa	2	2	0	1	0	1	0
TOTAL	3,586	2,278	1,308	2,840	442	304	0

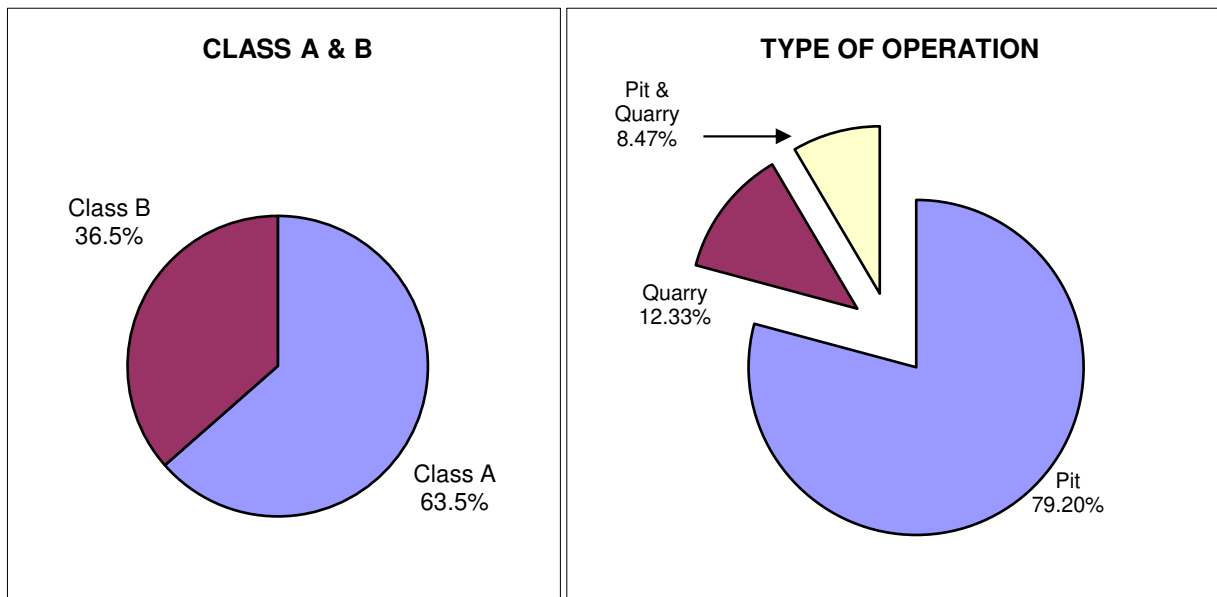


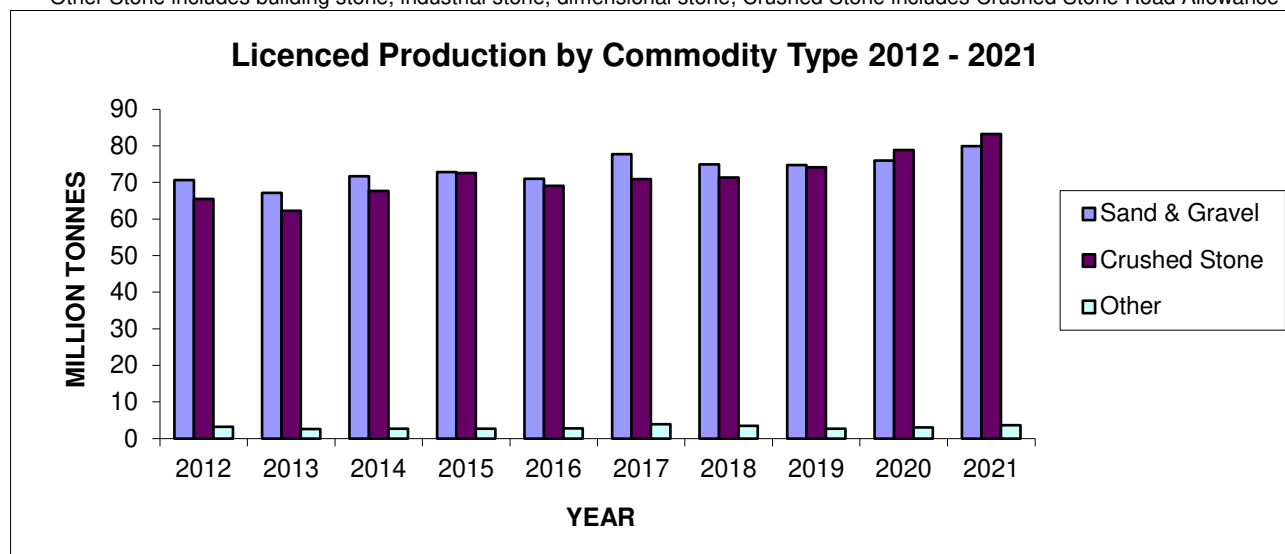
Table 6

**2021 LICENCED AGGREGATE PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	17,598,220.43	9,341,515.14	7,639,321.00	603,421.20	13,963.09
Aylmer	16,774,891.47	11,371,615.19	5,349,879.47	11,835.81	41,561.00
Bancroft	5,157,875.98	884,342.07	3,988,021.75	762.00	284,750.16
Guelph (Cambridge)	40,398,049.59	25,808,593.05	14,407,267.27	166,759.00	15,430.27
Kemptville	23,497,037.99	3,557,193.84	18,268,807.45	6,345.80	1,664,690.90
Midhurst	25,721,071.20	12,809,952.36	12,641,292.45	37,300.14	232,526.25
North Bay	1,520,183.25	939,079.42	511,939.77	0.00	69,164.06
Parry Sound	4,877,681.59	1,841,876.80	3,004,274.36	0.00	31,530.43
Pembroke	2,806,788.00	1,660,135.36	1,086,002.84	56,825.00	3,824.80
Peterborough	17,528,682.80	6,868,888.27	10,280,350.70	248,777.92	130,665.91
Sault Ste. Marie	3,288,411.66	1,562,721.59	1,725,690.07	0.00	0.00
Sudbury	6,496,280.11	2,267,955.07	4,201,672.27	7,376.20	19,276.57
Thunder Bay	1,103,715.42	1,006,803.38	95,690.87	0.00	1,221.17
Wawa	670.00	0.00	670.00	0.00	0.00
TOTAL	166,769,559.49	79,920,671.54	83,200,880.27	1,139,403.07	2,508,604.61

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
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
2020	157.91	75.97	78.90	3.04
2021	166.77	79.92	83.20	3.65

Table 7

**2021 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

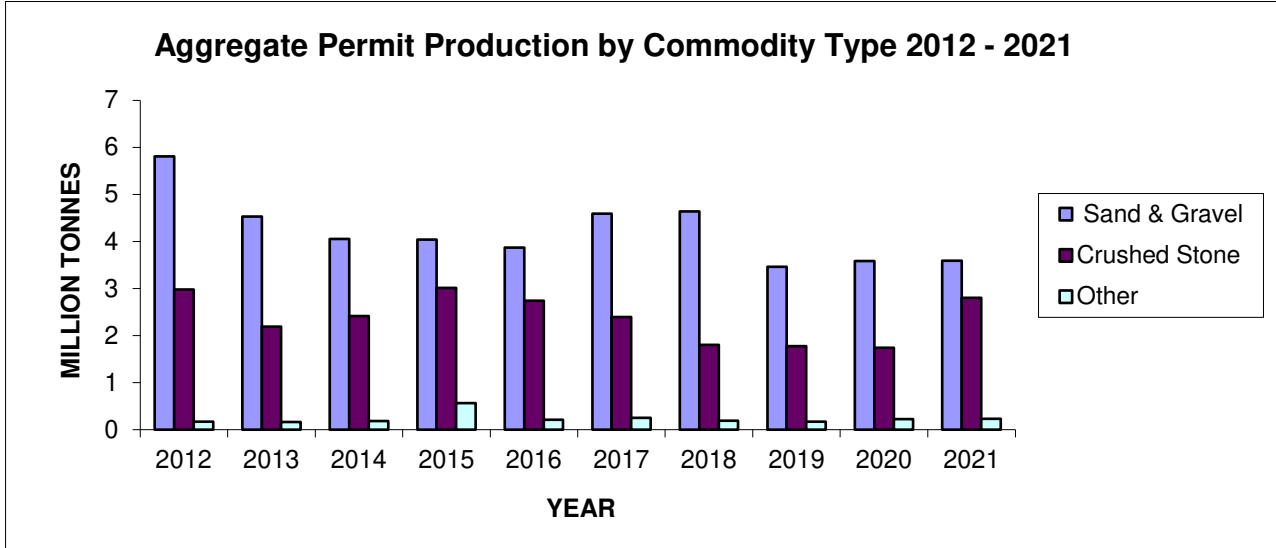
Region/District	Total Production	Sand & Gravel	Crushed Stone	Clay/Shale	Other Stone
NORTHEAST					
Chapleau	76,691.25	76,691.25	-	-	-
Cochrane	80,339.00	52,445.00	27,894.00	-	-
Hearst	248,776.17	139,199.17	109,577.00	-	-
Kirkland Lake	277,147.26	277,147.26	-	-	-
North Bay	369,974.03	149,115.03	217,446.00	-	3,413.00
Sault Ste. Marie	80,040.12	80,040.12	-	-	-
Sudbury	430,290.10	167,942.51	261,547.59	20.00	780.00
Timmins	464,733.17	464,538.17	195.00	-	-
Wawa	688,607.46	334,786.46	353,821.00	-	-
Sub-Total	2,716,598.56	1,741,904.97	970,480.59	20.00	4,193.00
NORTHWEST					
Dryden	356,635.78	101,945.78	247,771.00	-	6,919.00
Fort Frances	441,762.97	418,088.91	18,690.00	-	4,984.06
Kenora	206,051.11	115,800.67	77,727.32	847.00	11,676.12
Nipigon	737,843.79	583,653.79	153,070.00	-	1,120.00
Red Lake	217,192.45	181,072.28	35,850.17	-	270.00
Sioux Lookout	106,343.46	106,343.46	-	-	-
Thunder Bay	928,700.81	189,421.87	739,232.94	-	46.00
Sub-Total	2,994,530.37	1,696,326.76	1,272,341.43	847.00	25,015.18
SOUTHCENTRAL					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	11,758.18	11,758.18	-	-	-
Bancroft	618,581.38	21,388.90	399,309.61	608.00	197,274.87
Guelph (Cambridge)	-	-	-	-	-
Kemptville	2,154.24	2,154.24	-	-	-
Midhurst	-	-	-	-	-
Parry Sound	128,735.96	57,646.69	71,087.27	-	2.00
Pembroke	60,197.52	56,637.52	3,560.00	-	-
Peterborough (Tweed)	87,302.92	-	87,302.92	-	-
Sub-Total	908,730.20	149,585.53	561,259.80	608.00	197,276.87
TOTAL	6,619,859.13	3,587,817.26	2,804,081.82	1,475.00	226,485.05

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2021 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported By Year)**



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

	Total	Sand & Gravel	Crushed Stone	Other
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
2020	5.54	3.58	1.74	0.22
2021	6.62	3.59	2.80	0.23

Table 9

**2021 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	11,758	11,758	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)	713,517	29,019	486,613	608	197,277
East (6)	62,396	58,836	3,560	0	0
Northeast (7)	2,062,605	1,358,206	700,186	20	4,193
Northwest (8)	3,769,584	2,129,998	1,613,723	847	25,015
TOTAL	6,619,859	3,587,817	2,804,082	1,475	226,485

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

**2021 AGGREGATE LICENCE PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

Area	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Southwest (1)	22,885,574	16,224,309	6,426,761	178,595	55,909
Peninsula (2)	17,469,890	4,445,357	13,024,373	0	160
West Central (3)	42,538,548	29,320,495	12,947,305	37,300	233,449
GTA (4)	17,601,320	9,344,015	7,639,321	603,421	14,563
East Central (5)	22,059,877	8,370,644	13,009,876	245,160	434,197
East (6)	30,560,203	5,972,565	22,840,204	67,551	1,679,883
Northeast (7)	9,261,349	3,673,762	5,490,988	7,376	89,223
Northwest (8)	4,392,797	2,569,525	1,822,051	0	1,221
TOTAL	166,769,559	79,920,672	83,200,880	1,139,403	2,508,605

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 2021
(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)	126	7,755.10	2,574.24	59.50	121.05	2,512.69
Aylmer	276	8,296.90	2,857.52	106.21	99.55	2,864.18
Bancroft	262	9,348.75	1,376.40	27.36	15.25	1,388.51
Guelph (Cambridge)	442	16,546.66	5,403.66	230.75	176.59	5,457.83
Kemptville	454	14,245.60	4,737.91	101.75	28.98	4,810.68
Midhurst	486	16,319.07	4,569.09	280.83	154.59	4,695.33
North Bay	141	6,268.03	870.02	38.06	2.60	905.48
Parry Sound	283	8,966.13	2,247.13	56.75	6.64	2,297.24
Pembroke	205	5,455.37	1,050.32	45.31	12.41	1,083.21
Peterborough (Tweed)	498	14,761.12	4,125.55	116.33	30.29	4,211.59
Sault Ste. Marie	97	3,934.94	791.77	6.05	0.48	797.33
Sudbury	219	15,667.23	1,763.58	57.87	16.12	1,805.33
Thunder Bay	95	6,941.27	580.36	8.83	11.78	577.41
Wawa	2	46.87	0.25	0.00	0.00	0.25
TOTAL	3,586	134,553.04	32,947.80	1,135.60	676.33	33,407.07

Note: Areas reported in hectares

These statistics are compiled from information supplied by licencees and are not independently audited by TOARC.

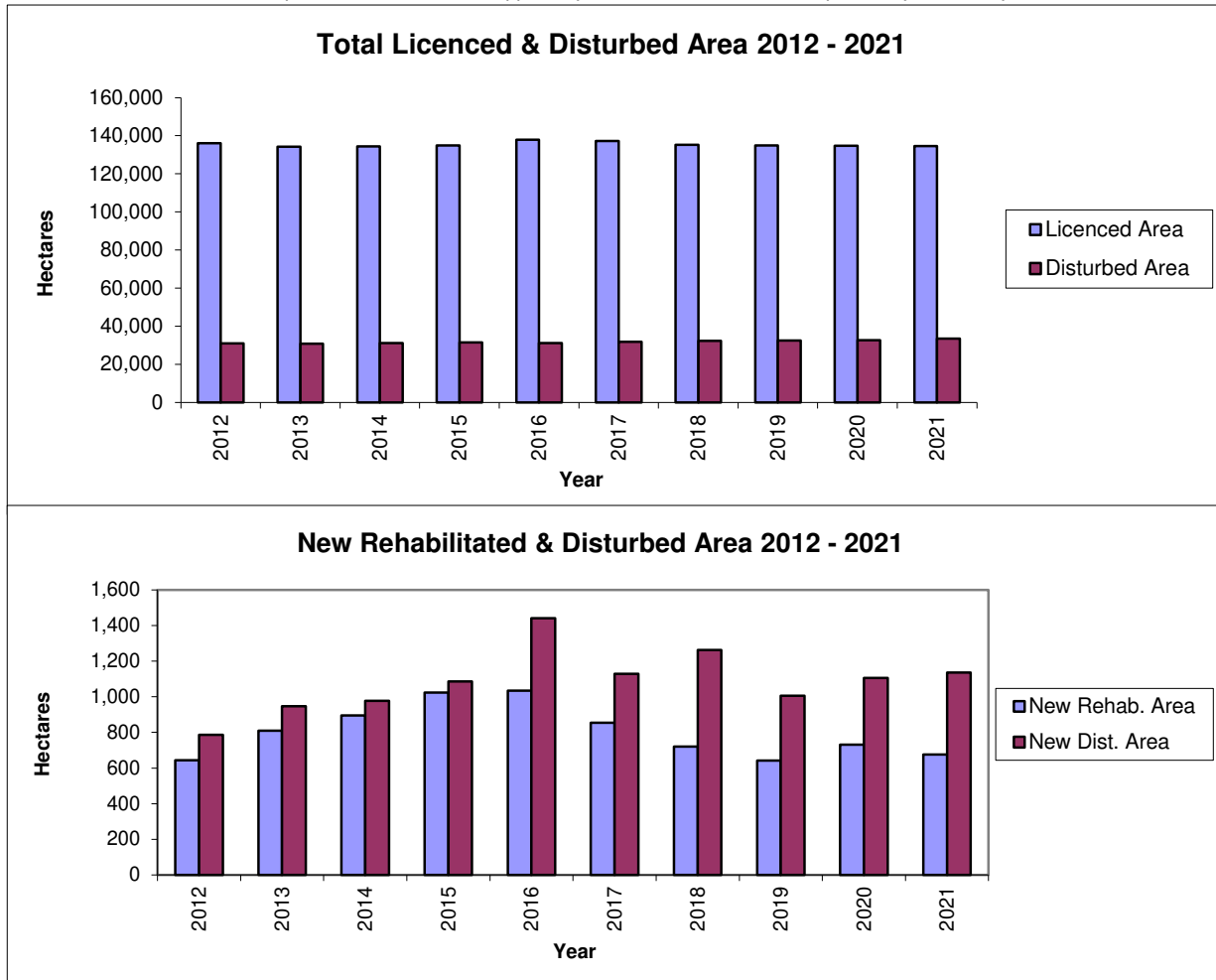


Table 11

**NUMBER AND TYPE OF AGGREGATE PERMITS IN 2021
(Reported by MNR District)**

Region/District	Total Hectarage	Total No. of Permits	Pit	Quarry	Pit & Quarry	Underwater
NORTHEAST						
Chapleau	1,180.99	61	58	3	0	0
Cochrane	3,370.80	108	90	11	7	0
Hearst	3,450.94	170	145	23	2	0
Kirkland Lake	2,079.58	148	136	9	3	0
North Bay	3,416.02	186	140	32	14	0
Sault Ste. Marie	1,072.60	80	74	4	2	0
Sudbury	5,169.66	159	117	24	18	0
Timmins	2,222.99	130	116	9	5	0
Wawa	2,426.61	161	143	11	7	0
Sub-Total	24,390.19	1,203	1,019	126	58	0
NORTHWEST						
Dryden	2,443.88	165	144	10	11	0
Fort Frances	2,541.83	207	181	8	18	0
Kenora	3,210.34	178	124	25	29	0
Nipigon	3,536.84	199	161	17	21	0
Red Lake	1,264.04	69	61	5	3	0
Sioux Lookout	2,567.55	87	82	2	3	0
Thunder Bay	4,776.14	163	117	31	15	0
Sub-Total	20,340.62	1,068	870	98	100	0
SOUTHCENTRAL						
Aylmer	0.10	1	0	0	0	1
Bancroft	1,381.13	67	51	16	0	0
Guelph (Cambridge)	2.00	1	1	0	0	0
Kemptville	891.55	83	56	19	8	0
Parry Sound	137.26	32	31	1	0	0
Pembroke	38.55	3	0	2	1	0
Peterborough (Tweed)	38.55	3	0	2	1	0
Sub-Total	2,489.14	190	139	40	10	1
TOTAL	47,219.95	2,461	2,028	264	168	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.

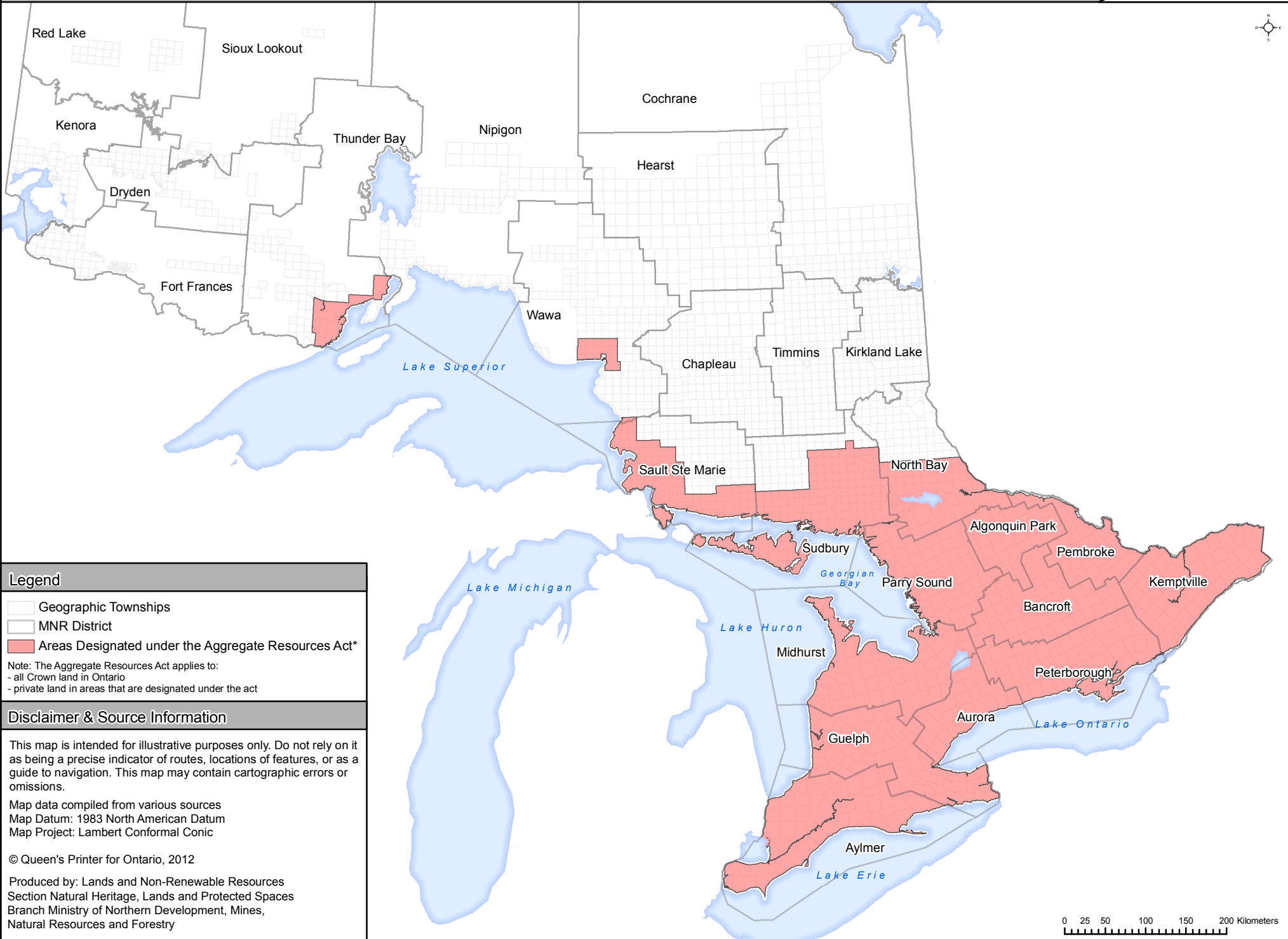
CANADIAN PORTLAND CEMENT ASSOCIATION* GEOGRAPHIC AREAS

* 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.

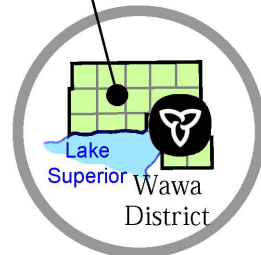
Map data compiled from various sources
 Map Datum: 1983 North American Datum
 Map Project: Lambert Conformal Conic

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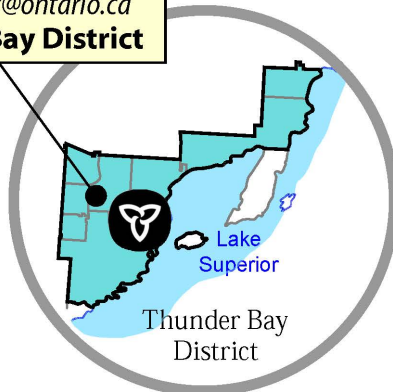
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ANNUAL AGGREGATE LICENCE / PERMIT FEE 2021 (adjusted annually subject to inflation see: https://www.ontario.ca/page/aggregate-resources#section-13)	
Charge	2021 Production
Annual Fee - Class A Licences and Aggregate Permits authorized to remove more 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

