



# • MINERAL • AGGREGATES • IN ONTARIO

Statistical Update

**2 0 1 2**

Prepared by:



**THE ONTARIO AGGREGATE  
RESOURCES CORPORATION**

# **AGGREGATE RESOURCES STATISTICS IN ONTARIO**

## **PRODUCTION STATISTICS**

**2012**

**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 2012, there were 3,721 licences for pits and quarries on private land in areas designated under the Aggregate Resources Act (refer to Appendix D – Map of Areas Designated), 2,712 aggregate permits on Crown land and 2 wayside permits.

### **Aggregate Production**

Overall production of mineral aggregates in 2012 totaled approximately 152 million tonnes, down 7 million tonnes or 4.4% from the previous year. Production from licenced operations was down 5 million tonnes or 3.5% compared to 2011. Forestry Aggregate Pits (formerly Category 14) pit production has remained the same. Similar to 2011, there was no wayside permit production in 2012. Production from aggregate permits on Crown Land decreased 18.2% from 2011 (9 million in 2012 from 11 million tonnes in 2011).

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

Table 1

**AGGREGATE PRODUCTION IN ONTARIO - 2000 - 2012**  
(rounded to nearest million tonnes)

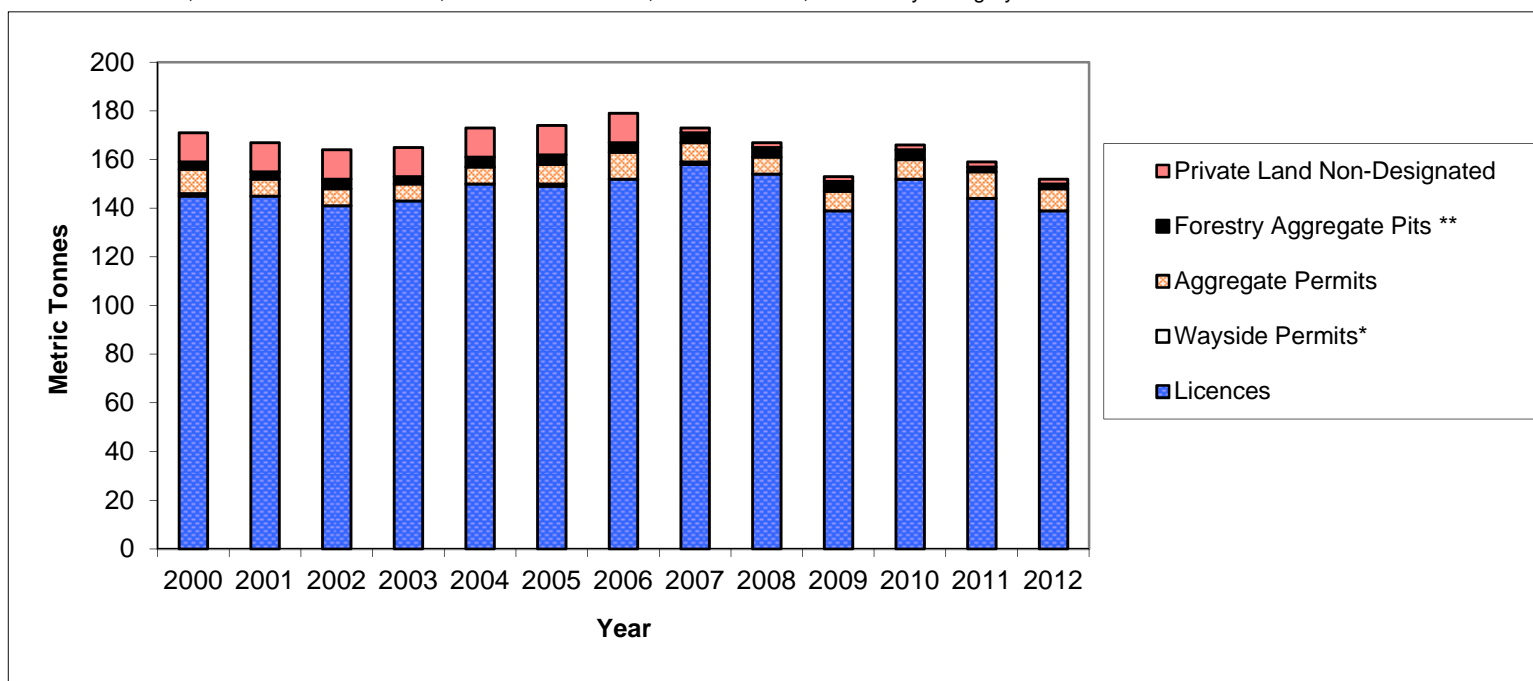
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Licences</b>	145	145	141	143	150	149	152	158	154	139	152	144	139
<b>Wayside Permits*</b>	1	0	0	0	0	1	0	1	0	0	0	0	0
<b>Aggregate Permits</b>	10	7	7	7	7	8	11	8	7	8	8	11	9
<b>Forestry Aggregate Pits **</b>	3	3	4	3	4	4	4	4	4	4	4	2	2
<b>Private Land Non-Designated (estimated)</b>	12	12	12	12	12	12	12	2	2	2	2	2	2
<b>ONTARIO TOTAL</b>	<b>171</b>	<b>167</b>	<b>164</b>	<b>165</b>	<b>173</b>	<b>174</b>	<b>179</b>	<b>173</b>	<b>167</b>	<b>153</b>	<b>166</b>	<b>159</b>	<b>152</b>

\*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 .2 million tonnes for 2001, .3 million tonnes for 2002, .3 million tonnes for 2003, .1 million tonnes for 2004, .3 million tonnes for 2006

.1 million tonnes for 2008, .2 million tonnes for 2009, zero tonnes for 2010, 2011 and 2012; \*\* Formerly Category 14

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

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

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

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Algoma District</b>			
Algoma District, Unorganized	64,136.73		64,136.73
Blind River, Town of	43,671.46		43,671.46
Bruce Mines, Town of/Plummer Additional Tp	1,187,917.85		1,187,917.85
Elliot Lake, City of/Spanish, Town of/The North Shore, Tp	25,779.60		25,779.60
Hilton Tp	34,002.56		34,002.56
Huron Shores, Municipality of	537,540.69		537,540.69
Jocelyn Tp	48,734.92		48,734.92
Laird Tp/St. Joseph Tp	5,340.00		5,340.00
Johnson Tp/Tarbutt & Tarbutt Add'l Tp	48,259.32		48,259.32
Macdonald, Meredith & Aberdeen Add'l Tp	9,491.30		9,491.30
Sault Ste. Marie, City of/Prince Tp	617,612.86		617,612.86
<b>Sub-Total</b>	<b>2,622,487.29</b>	<b>0.00</b>	<b>2,622,487.29</b>
<b>Brant</b>			
Brant, County of/Brantford, City of	1,665,901.87		1,665,901.87
<b>Sub-Total</b>	<b>1,665,901.87</b>	<b>0.00</b>	<b>1,665,901.87</b>
<b>Bruce</b>			
Arran-Elderslie, Municipality of	119,099.58		119,099.58
Brockton, Municipality of	105,390.16		105,390.16
Huron-Kinloss Tp	267,059.56		267,059.56
Kincardine, Municipality of	53,874.30		53,874.30
Northern Bruce Peninsula, Municipality of	117,964.73		117,964.73
Saugeen Shores, Town of	111,854.31		111,854.31
South Bruce, Municipality of	450,831.05		450,831.05
South Bruce Peninsula, Town of	272,066.23		272,066.23
<b>Sub-Total</b>	<b>1,498,139.92</b>	<b>0.00</b>	<b>1,498,139.92</b>
<b>Chatham-Kent</b>			
Chatham-Kent, Municipality of	222,685.22		222,685.22
<b>Sub-Total</b>	<b>222,685.22</b>	<b>0.00</b>	<b>222,685.22</b>
<b>Dufferin</b>			
Amaranth Tp/East Luther Grand Valley Tp	143,686.00		143,686.00
East Garafraxa Tp	847,267.28		847,267.28
Melancthon Tp	625,078.88		625,078.88
Mono Tp	365,442.55		365,442.55
Mulmur Tp	210,332.79		210,332.79
<b>Sub-Total</b>	<b>2,191,807.50</b>	<b>0.00</b>	<b>2,191,807.50</b>
<b>Durham</b>			
Brock Tp	1,154,930.13		1,154,930.13
Clarington, Municipality of	5,068,791.60		5,068,791.60
Oshawa, City of/Scugog Tp	57,775.06		57,775.06
Uxbridge Tp	3,622,724.81		3,622,724.81
<b>Sub-Total</b>	<b>9,904,221.60</b>	<b>0.00</b>	<b>9,904,221.60</b>
<b>Elgin</b>			
Bayham/West Elgin, Municipality of/Malahide Tp	168,795.16		168,795.16
Central Elgin, Municipality of	223,873.01		223,873.01
<b>Sub-Total</b>	<b>392,668.17</b>	<b>0.00</b>	<b>392,668.17</b>



Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Essex</b>			
Amherstburg, Town of/Leamington, Municipality of/Pelee Tp	1,619,611.40		1,619,611.40
Kingsville, Town of	410,184.39		410,184.39
<b>Sub-Total</b>	<b>2,029,795.79</b>	<b>0.00</b>	<b>2,029,795.79</b>
<b>Frontenac</b>			
Central Frontenac Tp	145,111.54		145,111.54
Frontenac Islands Tp	33,808.39		33,808.39
Kingston, City of	1,055,618.96		1,055,618.96
North Frontenac Tp	175,454.32		175,454.32
South Frontenac Tp	524,856.71		524,856.71
<b>Sub-Total</b>	<b>1,934,849.92</b>	<b>0.00</b>	<b>1,934,849.92</b>
<b>Greater Sudbury</b>			
Greater Sudbury, City of	2,678,324.55		2,678,324.55
<b>Sub-Total</b>	<b>2,678,324.55</b>	<b>0.00</b>	<b>2,678,324.55</b>
<b>Grey</b>			
Chatsworth Tp	357,191.85		357,191.85
Georgian Bluffs, Tp	400,528.66		400,528.66
Grey Highlands, Municipality of	430,690.76		430,690.76
Meaford, Municipality of	404,953.61		404,953.61
Southgate Tp	296,304.42		296,304.42
The Blue Mountains, Town of	218,887.82		218,887.82
West Grey, Municipality of	524,378.95		524,378.95
<b>Sub-Total</b>	<b>2,632,936.07</b>	<b>0.00</b>	<b>2,632,936.07</b>
<b>Haldimand</b>			
Haldimand, County of	1,293,572.42		1,293,572.42
<b>Sub-Total</b>	<b>1,293,572.42</b>	<b>0.00</b>	<b>1,293,572.42</b>
<b>Haliburton</b>			
Algonquin Highlands, Tp	46,249.32		46,249.32
Dysart et al, Tp	227,192.50		227,192.50
Highlands East, Tp	22,700.41		22,700.41
Minden Hills, TP	138,269.29		138,269.29
<b>Sub-Total</b>	<b>434,411.52</b>	<b>0.00</b>	<b>434,411.52</b>
<b>Halton</b>			
Burlington, City of/Halton Hills, Town of	3,021,917.76		3,021,917.76
Milton, Town of	4,385,555.29		4,385,555.29
<b>Sub-Total</b>	<b>7,407,473.05</b>	<b>0.00</b>	<b>7,407,473.05</b>
<b>Hamilton</b>			
Hamilton, City of	4,951,766.30		4,951,766.30
<b>Sub-Total</b>	<b>4,951,766.30</b>	<b>0.00</b>	<b>4,951,766.30</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Hastings</b>			
Bancroft, Town of	36,946.39		36,946.39
Belleville, City of	835,038.55		835,038.55
Carlo/Mayo Tp	28,513.00		28,513.00
Centre Hastings, Municipality of	101,232.80		101,232.80
Faraday Tp	12,545.32		12,545.32
Hasting Highlands	200,251.85		200,251.85
Limerick Tp	16,506.44		16,506.44
Madoc Tp	686,918.73		686,918.73
Marmora & Lake, Municipality of/Sterling-Rawdon Tp	10,570.08		10,570.08
Quinte West, City of	519,988.95		519,988.95
Tweed, Municipality of	57,459.73		57,459.73
Tyendinaga Tp	152,662.76		152,662.76
Wollaston	22,212.15		22,212.15
<b>Sub-Total</b>	<b>2,680,846.75</b>	<b>0.00</b>	<b>2,680,846.75</b>
<b>Huron</b>			
Ashfield-Colborne-Wawanosh Tp	733,820.76		733,820.76
Bluewater, Municipality of	15,909.91		15,909.91
Central Huron, Municipality of	427,845.38		427,845.38
Howick Tp	182,859.42		182,859.42
Huron East, Municipality of	814,476.97		814,476.97
Morris-Turnberry, Municipality of	123,246.37		123,246.37
North Huron Tp	73,277.17		73,277.17
South Huron, Municipality of	153,636.21		153,636.21
<b>Sub-Total</b>	<b>2,525,072.19</b>	<b>0.00</b>	<b>2,525,072.19</b>
<b>Kawartha Lakes</b>			
Kawartha Lakes, City of	5,070,923.78		5,070,923.78
<b>Sub-Total</b>	<b>5,070,923.78</b>	<b>0.00</b>	<b>5,070,923.78</b>
<b>Lambton</b>			
Warwick Tp/Plympton-Wyoming, Town of	301,899.68		301,899.68
Lambton Shores, Municipality of	106,826.58		106,826.58
<b>Sub-Total</b>	<b>408,726.26</b>	<b>0.00</b>	<b>408,726.26</b>
<b>Lanark</b>			
Beckwith Tp	27,460.34		27,460.34
Drummond-North Elmsley Tp	119,111.75		119,111.75
Lanark Highlands Tp	968,927.01		968,927.01
Mississippi Mills, Town of	154,635.49		154,635.49
Montague Tp	211,205.21		211,205.21
Tay Valley Tp	11,246.64		11,246.64
<b>Sub-Total</b>	<b>1,492,586.44</b>	<b>0.00</b>	<b>1,492,586.44</b>

Table 2

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

Municipality	(Reported in Metric Tonnes)	Licences	Wayside Permits	Total
<b>Leeds &amp; Grenville</b>				
Athens Tp/Front of Yonge Tp		187,160.68		187,160.68
Augusta Tp		110,199.00		110,199.00
Edwardsburgh-Cardinal Tp		85,064.92		85,064.92
Elizabethtown-Kitley Tp/Merrickville-Wolford, Village of		455,450.89		455,450.89
Leeds and the Thousand Islands Tp		494,319.11		494,319.11
North Grenville Tp		625,101.08		625,101.08
Rideau Lakes Tp		145,685.08		145,685.08
<b>Sub-Total</b>		<b>2,102,980.76</b>	<b>0.00</b>	<b>2,102,980.76</b>
<b>Lennox &amp; Addington</b>				
Addington Highlands Tp		77,866.03		77,866.03
Greater Napanee, Town of		209,124.08		209,124.08
Loyalist Tp		1,808,512.36		1,808,512.36
Stone Mills Tp		116,603.12		116,603.12
<b>Sub-Total</b>		<b>2,212,105.59</b>	<b>0.00</b>	<b>2,212,105.59</b>
<b>Manitoulin District</b>				
Assignack, Tp		29,463.00		29,463.00
Gordon/Barrie Island/Burpee & Mills, Tp/Cockburn Island, Tp		39,932.34		39,932.34
Billings, Tp		11,585.00		11,585.00
Central Manitoulin Tp		78,608.47		78,608.47
Northeastern Manitoulin & The Islands		52,954.11		52,954.11
Tehkummah, Tp		30,026.76		30,026.76
Unorganized - Manitoulin D		2,304,136.40		2,304,136.40
<b>Sub-Total</b>		<b>2,546,706.08</b>	<b>0.00</b>	<b>2,546,706.08</b>
<b>Middlesex</b>				
Adelaide Metcalfe Tp		42,043.00		42,043.00
London, City of		891,426.86		891,426.86
Lucan Biddulph Tp		3,161.10		3,161.10
Middlesex Centre Tp		513,580.99		513,580.99
North Middlesex, Municipality of		42,881.80		42,881.80
Strathroy-Caradoc Tp		9,636.00		9,636.00
Thames Centre, Municipality of		2,274,520.09		2,274,520.09
<b>Sub-Total</b>		<b>3,777,249.84</b>	<b>0.00</b>	<b>3,777,249.84</b>
<b>Muskoka</b>				
Bracebridge		661,854.36		661,854.36
Georgian Bay/Muskoka Lakes, Tp		252,486.52		252,486.52
Gravenhurst		120,826.93		120,826.93
Huntsville		771,652.58		771,652.58
Lake of Bays, Tp		142,142.28		142,142.28
<b>Sub-Total</b>		<b>1,948,962.67</b>	<b>0.00</b>	<b>1,948,962.67</b>
<b>Niagara</b>				
Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp		2,252,166.59		2,252,166.59
Lincoln, Town of/Niagara-on-the-Lake, Town of		1,546,338.07		1,546,338.07
Niagara Falls, City of		880,959.90		880,959.90
<b>Sub-Total</b>		<b>4,679,464.56</b>	<b>0.00</b>	<b>4,679,464.56</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b><i>Nipissing District</i></b>			
Bonfield Tp/East Ferris, Municipality of	45,143.60		45,143.60
Calvin Tp	30,004.85		30,004.85
Chisholm Tp	45,933.78		45,933.78
Mattawan Tp/South Algonquin Tp	19,651.40		19,651.40
North Bay, City of	540,696.94		540,696.94
Papineau-Cameron Tp	127,155.02		127,155.02
Unorganized - Nipissing D	1,214.00		1,214.00
West Nipissing, Municipality of	353,297.58		353,297.58
<b>Sub-Total</b>	<b>1,163,097.17</b>	<b>0.00</b>	<b>1,163,097.17</b>
<b><i>Norfolk</i></b>			
Norfolk, County of	788,642.39		788,642.39
<b>Sub-Total</b>	<b>788,642.39</b>	<b>0.00</b>	<b>788,642.39</b>
<b><i>Northumberland</i></b>			
Alnwick-Haldimand Tp	212,864.59		212,864.59
Brighton, Municipality of	226,313.58		226,313.58
Cramahe Tp	2,153,742.51		2,153,742.51
Hamilton Tp	236,211.28		236,211.28
Port Hope, Municipality of	21,596.49		21,596.49
Trent Hills, Municipality of	232,835.20		232,835.20
<b>Sub-Total</b>	<b>3,083,563.65</b>	<b>0.00</b>	<b>3,083,563.65</b>
<b><i>Ottawa</i></b>			
Ottawa, City of	10,564,975.53		10,564,975.53
<b>Sub-Total</b>	<b>10,564,975.53</b>	<b>0.00</b>	<b>10,564,975.53</b>
<b><i>Oxford</i></b>			
Blandford-Blenheim Tp	536,218.83		536,218.83
East Zorra-Tavistock Tp/Norwich Tp	178,671.52		178,671.52
South-West Oxford Tp	848,839.09		848,839.09
Zorra Tp	4,069,820.74		4,069,820.74
<b>Sub-Total</b>	<b>5,633,550.18</b>	<b>0.00</b>	<b>5,633,550.18</b>
<b><i>Parry Sound District</i></b>			
ArmourTp/Burk's Falls, The Village of	196,858.69		196,858.69
Callander, Municipality of	62,804.56		62,804.56
Carling Tp/The Archipelago Tp	17,673.01		17,673.01
Joly Tp	22,610.04		22,610.04
Kearney, Town of	11,475.30		11,475.30
Macher Tp	17,815.40		17,815.40
Magnetawan, Municipality of	141,711.76		141,711.76
McDougall Tp	43,924.23		43,924.23
McKeller Tp	8,541.05		8,541.05
McMurrich-Monteith Tp	34,217.48		34,217.48
Nipissing Tp	15,932.00		15,932.00
Perry Tp	64,158.92		64,158.92
Powassan, Municipality of	98,244.93		98,244.93
Ryerson Tp	89,201.28		89,201.28
Seguin Tp/Parry Sound, Town of	384,268.77		384,268.77
Strong Tp	9,340.34		9,340.34
Unorganized - Parry Sound	227,304.70		227,304.70
Whitestone The Municipality of	37,592.72		37,592.72
<b>Sub-Total</b>	<b>1,483,675.18</b>	<b>0.00</b>	<b>1,483,675.18</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Peel</b>			
Caledon, Town of	3,939,277.25		3,939,277.25
<b>Sub-Total</b>	<b>3,939,277.25</b>	<b>0.00</b>	<b>3,939,277.25</b>
<b>Perth</b>			
North Perth, Town of/St. Marys, Separated Town of	97,333.92		97,333.92
Perth East Tp	380,533.75		380,533.75
Perth South Tp	1,453,604.27		1,453,604.27
West Perth Tp	203,332.58		203,332.58
<b>Sub-Total</b>	<b>2,134,804.52</b>	<b>0.00</b>	<b>2,134,804.52</b>
<b>Peterborough</b>			
Asphodel-Norwood Tp	239,003.21		239,003.21
Cavan-Monaghan Tp	26,034.13		26,034.13
Douro-Dummer Tp	615,109.63		615,109.63
Galway-Cavendish-Harvey Tp	392,100.27		392,100.27
Havelock-Belmont-Methuen Tp	611,882.71		611,882.71
North Kawartha Tp	4,092.90		4,092.90
Otonabee South Monaghan Tp	408,197.52		408,197.52
Smith-Ennismore-Lakefield Tp	349,313.96		349,313.96
<b>Sub-Total</b>	<b>2,645,734.33</b>	<b>0.00</b>	<b>2,645,734.33</b>
<b>Prescott &amp; Russell</b>			
Alfred & Plantagenet Tp	273,749.97		273,749.97
Champlain Tp	660,842.40		660,842.40
Clarence-Rockland, City of	145,879.26		145,879.26
East Hawkesbury Tp	37,496.12		37,496.12
Russell Tp	46,902.25		46,902.25
The Nation, Municipality of	333,935.38		333,935.38
<b>Sub-Total</b>	<b>1,498,805.38</b>	<b>0.00</b>	<b>1,498,805.38</b>
<b>Prince Edward Co</b>			
Prince Edward, County of	1,565,386.37		1,565,386.37
<b>Sub-Total</b>	<b>1,565,386.37</b>	<b>0.00</b>	<b>1,565,386.37</b>
<b>Renfrew</b>			
Admaston-Bromley Tp/Renfrew, Town of	153,377.66		153,377.66
Bonnechere Valley Tp	144,503.96		144,503.96
Brudenell, Lyndoc and Raglan Tp	33,708.25		33,708.25
Deep River Tp/Head, Clara & Maria Tp	44,213.37		44,213.37
Greater Madawaska Tp	33,339.95		33,339.95
Horton Tp	277,133.83		277,133.83
Killaloe, Hagarty and Richards Tp	30,134.88		30,134.88
Laurentian Hills	37,976.82		37,976.82
Laurentian Valley Tp	711,609.93		711,609.93
Madawaska Valley	54,944.39		54,944.39
McNab-Braeside Tp	283,656.48		283,656.48
North Algona-Wilberforce Tp	51,027.69		51,027.69
Petawawa, Town of	215,586.26		215,586.26
Whitewater Region Tp	177,671.05		177,671.05
<b>Sub-Total</b>	<b>2,248,884.52</b>	<b>0.00</b>	<b>2,248,884.52</b>

Table 2

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

Municipality	Licences	Wayside Permits	Total
<b><i>Simcoe</i></b>			
Adjala-Tosorontio Tp	195,370.83		195,370.83
Midland, Town of/Penetanguishine, Town of/ Clearview Tp	176,098.40		176,098.40
Essa Tp/Innisfil, Town of	1,027,373.56		1,027,373.56
New Tecumseth, Town of	151,947.17		151,947.17
Oro-Medonte Tp	19,439.00		19,439.00
Ramara Tp	2,658,564.96		2,658,564.96
Severn Tp	2,004,660.05		2,004,660.05
Springwater Tp	3,142,018.92		3,142,018.92
Tay Tp	752,275.85		752,275.85
Tiny Tp	115,707.85		115,707.85
<b>Sub-Total</b>	<b>10,453,319.89</b>	<b>0.00</b>	<b>10,453,319.89</b>
<b><i>Stormont, Dundas &amp; Glengarry</i></b>			
North Dundas Tp	759,619.56		759,619.56
North Glengarry Tp	74,397.68		74,397.68
North Stormont Tp	780,773.64		780,773.64
South Dundas Tp	304,044.06		304,044.06
South Glengarry Tp	255,738.71		255,738.71
South Stormont Tp	1,326,196.97		1,326,196.97
<b>Sub-Total</b>	<b>3,500,770.62</b>	<b>0.00</b>	<b>3,500,770.62</b>
<b><i>Sudbury District</i></b>			
Baldwin Tp	32,153.70		32,153.70
French River, Municipality of	110,094.36		110,094.36
Killarny, Municipality of/Nairn & Hyman Tp	194,781.02		194,781.02
Markstay-Warren, Municipality of	138,091.28		138,091.28
Sables Spanish Rivers Tp/Espanola, Town of	70,969.77		70,969.77
Sudbury District, Unorganized	481,693.27		481,693.27
<b>Sub-Total</b>	<b>1,027,783.40</b>	<b>0.00</b>	<b>1,027,783.40</b>
<b><i>Thunder Bay District</i></b>			
Conmee, Tp	217,021.39		217,021.39
Neebing, Municipality of	28,097.67		28,097.67
Oliver Paipoonge, Municipality of	182,494.47		182,494.47
Shuniah, Tp	677,133.32		677,133.32
Thunder Bay, City of	3,138.00		3,138.00
<b>Sub-Total</b>	<b>1,107,884.85</b>	<b>0.00</b>	<b>1,107,884.85</b>
<b><i>Waterloo</i></b>			
Cambridge, City of/Kitchener, City of	154,984.86		154,984.86
North Dumfries Tp	4,420,790.89		4,420,790.89
Wellesley Tp	1,058,099.60		1,058,099.60
Wilmot Tp	956,186.38		956,186.38
Woolwich Tp	680,856.42		680,856.42
<b>Sub-Total</b>	<b>7,270,918.15</b>	<b>0.00</b>	<b>7,270,918.15</b>

Table 2

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

Municipality	Licences (Reported in Metric Tonnes)	Wayside Permits	Total
<b>Wellington</b>			
Centre Wellington Tp	1,030,906.97		1,030,906.97
Erin, Town of	863,179.89		863,179.89
Guelph-Eramosa Tp	840,476.27		840,476.27
Mapleton Tp	32,379.00		32,379.00
Minto, Town of	330,404.87		330,404.87
Puslinch Tp	3,837,011.86		3,837,011.86
Wellington North Tp	103,814.63		103,814.63
<b>Sub-Total</b>	<b>7,038,173.49</b>	<b>0.00</b>	<b>7,038,173.49</b>
<b>York</b>			
East Gwillimbury, Town of	60,827.81		60,827.81
Georgina, Town of	15,366.14		15,366.14
Whitchurch-Stouffville, Town of	775,498.43		775,498.43
<b>Sub-Total</b>	<b>851,692.38</b>	<b>0.00</b>	<b>851,692.38</b>
<b>GRAND TOTAL</b>	<b>139,307,605.36</b>	<b>0.00</b>	<b>139,307,605.36</b>

Table 3

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

<b>Municipality</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Algoma, District of	0.6	0.8	1.9	1.2	2.8	2.9	2.6	2.9	2.9	2.6
Brant Co.	2.1	2.0	1.8	2.3	2.3	2.2	1.4	1.9	1.7	1.7
Bruce Co.	1.7	1.9	1.8	2.3	2.4	2.0	1.7	2.3	1.7	1.5
Chatham-Kent, R. M. of	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.2
Dufferin Co.	3.0	2.7	2.9	3.1	3.0	3.1	2.7	2.7	2.3	2.2
Durham, R. M. of	11.8	12.6	13.2	12.2	11.7	10.0	8.3	9.6	10.2	9.9
Elgin Co.	0.6	0.7	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.4
Essex Co.	1.9	1.9	1.7	1.6	1.7	1.6	1.7	2.6	2.0	2.0
Frontenac Co.	2.0	2.2	2.4	2.1	2.1	2.9	2.6	2.3	2.2	1.9
Greater Sudbury, City of	1.7	2.2	2.8	2.9	2.7	3.2	2.1	2.5	3.1	2.7
Grey Co.	3.1	3.2	3.7	3.4	3.2	3.3	2.9	3.5	3.0	2.6
Haldimand Co.	1.8	1.6	2.0	1.8	1.4	1.3	1.1	1.4	1.2	1.3
Haliburton Co.	----	----	----	----	0.5	0.6	0.5	0.5	0.5	0.4
Halton, R. M. of	10.7	11.4	10.9	9.6	9.5	8.5	6.9	7.2	8.7	7.4
Hamilton, City of	6.0	6.3	5.6	6.2	5.6	5.7	4.9	5.3	5.0	5.0
Hastings Co.	2.4	2.3	2.1	2.3	2.6	3.0	3.4	3.5	3.1	2.7
Huron Co.	2.8	2.5	2.6	2.7	2.9	2.9	3.0	2.5	2.8	2.5
Kawartha Lakes, City of	6.7	6.8	6.8	6.5	5.9	5.5	4.5	4.6	4.7	5.1
Lambton Co.	0.4	0.5	0.7	0.7	0.5	0.6	0.5	0.5	0.5	0.4
Lanark Co.	2.4	2.3	2.3	2.3	2.3	1.9	2.5	2.9	1.8	1.5
Leeds & Grenville Co.'s	1.9	2.2	2.3	2.3	2.0	2.3	2.1	2.6	2.0	2.1
Lennox & Addington Co.	1.9	1.8	1.9	1.9	2.0	2.0	2.0	2.4	2.2	2.2
Manitoulin, District of	----	----	----	----	3.6	3.9	2.9	3.6	3.2	2.5
Middlesex Co.	5.6	6.2	6.2	5.6	5.2	4.8	4.3	4.8	4.0	3.8
Muskoka	----	----	----	----	2.1	2.1	2.3	2.4	2.1	1.9
Niagara, R. M. of	4.6	4.7	4.5	5.1	4.0	4.0	3.9	4.6	3.9	4.7
Nipissing, District of	----	----	----	----	1.3	1.2	1.2	1.1	1.1	1.2
Norfolk Co.	0.4	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.8
Northumberland Co.	3.4	3.3	3.5	3.4	3.4	3.0	2.8	3.1	2.7	3.1
Ottawa, City of	10.0	9.9	10.6	11.1	11.4	11.2	11.0	12.7	10.9	10.6
Oxford Co.	4.9	4.8	5.0	5.4	7.1	5.8	4.9	5.2	4.9	5.6
Parry Sound, District of	----	----	----	----	1.5	1.8	2.4	3.5	2.1	1.5
Peel, R. M. of	4.5	5.3	5.1	5.3	4.7	3.8	3.6	3.9	3.6	3.9
Perth Co.	2.0	2.0	2.0	2.4	2.1	1.9	1.9	2.7	2.2	2.1
Peterborough Co.	2.5	2.5	2.7	2.6	2.9	3.2	3.2	3.3	3.2	2.6
Prescott & Russell Co.'s	1.4	1.4	1.7	1.5	1.4	1.7	1.7	1.6	1.6	1.5
Prince Edward Co.	2.2	2.2	2.4	2.2	2.4	2.4	1.6	1.7	1.6	1.6
Renfrew Co.	1.6	1.7	1.3	1.9	2.3	2.1	2.3	2.3	2.2	2.2
Simcoe Co.	11.8	12.7	12.6	13.4	12.0	12.1	10.5	10.3	10.7	10.5
Stormont, Dundas & Glengarry Co.'s	2.7	3.5	3.0	3.4	2.8	3.2	3.4	3.3	4.1	3.5
Sudbury, District of	0.6	0.6	0.8	0.8	1.7	1.1	0.8	0.8	0.9	1.0
Thunder Bay, District of	----	----	----	----	0.3	0.7	1.0	0.8	1.0	1.1
Waterloo, R. M. of	8.0	9.5	8.2	9.3	8.2	7.9	7.1	7.5	7.8	7.3
Wellington Co.	9.1	9.1	8.3	8.8	9.0	8.0	6.6	6.8	6.5	7.0
York, R. M. of	2.0	1.9	1.0	1.0	0.7	1.1	1.0	0.7	0.6	0.9
<b>TOTAL</b>	<b>143.2</b>	<b>149.8</b>	<b>149.7</b>	<b>151.9</b>	<b>158.9</b>	<b>153.8</b>	<b>139.0</b>	<b>151.7</b>	<b>143.7</b>	<b>139.3</b>

Note: Totals may not equal due to rounding.



Table 4

**LICENCE PRODUCTION IN 2012  
THE TOP TEN PRODUCING MUNICIPALITIES  
(Rounded to nearest million tonnes)**

Municipality(1)	County/Region	2012 Production	Production(2)				
			2011	2010	2009	2008	2007
1	City of Ottawa	10.6	10.9	12.7	11.0	11.2	11.0
2	City of Kawartha Lakes	5.1	4.7	4.6	4.5	5.5	5.9
3	Municipality of Clarington	5.1	5.0	4.9	4.1	4.6	5.2
4	City of Hamilton	5.0	5.0	5.3	4.9	5.7	5.6
5	Township of North Dumfries	4.4	4.5	3.8	3.4	3.7	4.2
6	Town of Milton	4.4	4.9	3.7	3.7	4.5	4.4
7	Township of Zorra	4.1	3.6	3.3	2.8	3.6	4.1
8	Town of Caledon	3.9	3.6	3.9	3.6	3.8	4.7
9	Puslinch Township	3.8	3.1	3.6	3.4	3.9	4.2
10	Township of Uxbridge	3.6	3.9	3.4	3.0	3.7	4.6
<b>Total</b>		<b>50.0</b>	<b>49.2</b>	<b>49.2</b>	<b>44.4</b>	<b>50.2</b>	<b>53.9</b>

## Notes:

1. Municipalities are ranked in order of their licenced production for 2012.
2. Historical data are in order of current year's Top Ten Producing Municipalities.
3. Pre 2009 historical data for Table 4 has been corrected effective February 24, 2011.

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)	140	122	18	124	16	0	0
Aylmer	305	238	67	291	8	6	0
Bancroft	267	99	168	192	33	42	0
Guelph (Cambridge)	456	389	67	417	36	3	0
Kemptville	475	284	191	332	120	23	0
Midhurst	482	365	117	422	55	5	0
North Bay	144	63	81	111	7	26	0
Parry Sound	302	119	183	195	10	97	0
Pembroke	224	73	151	203	11	10	0
Peterborough (Tweed)	530	293	237	424	89	17	0
Sault Ste. Marie	98	54	44	79	6	13	0
Sudbury	237	128	109	168	20	49	0
Thunder Bay	59	25	34	46	4	9	0
Wawa	2	2	0	1	0	1	0
<b>TOTAL</b>	<b>3,721</b>	<b>2,254</b>	<b>1,467</b>	<b>3,005</b>	<b>415</b>	<b>301</b>	<b>0</b>

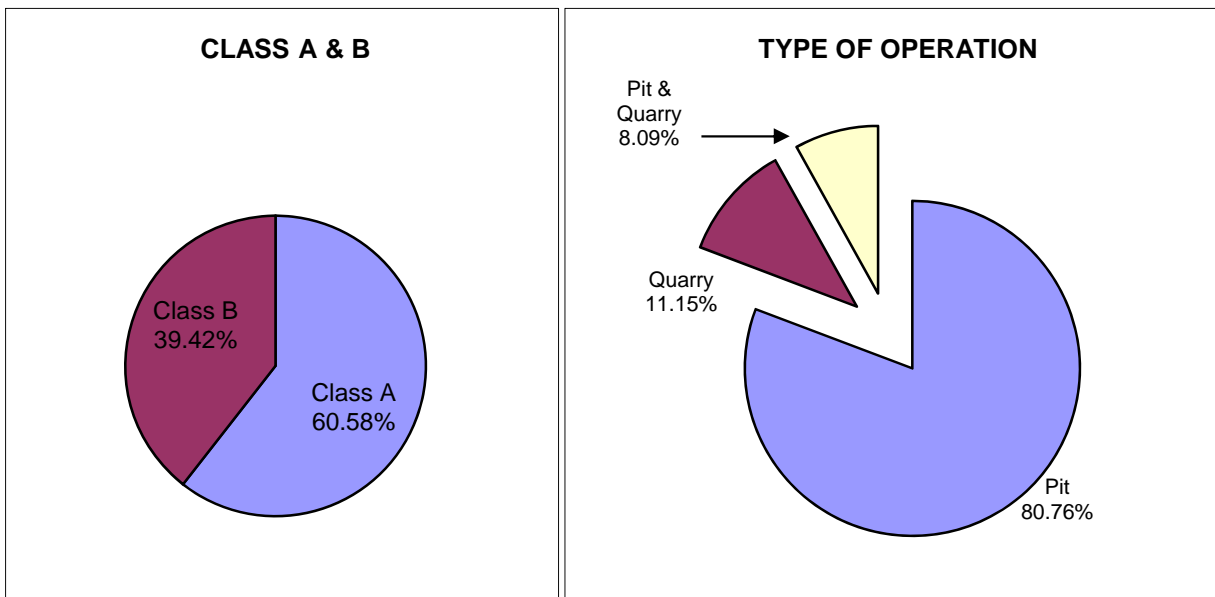
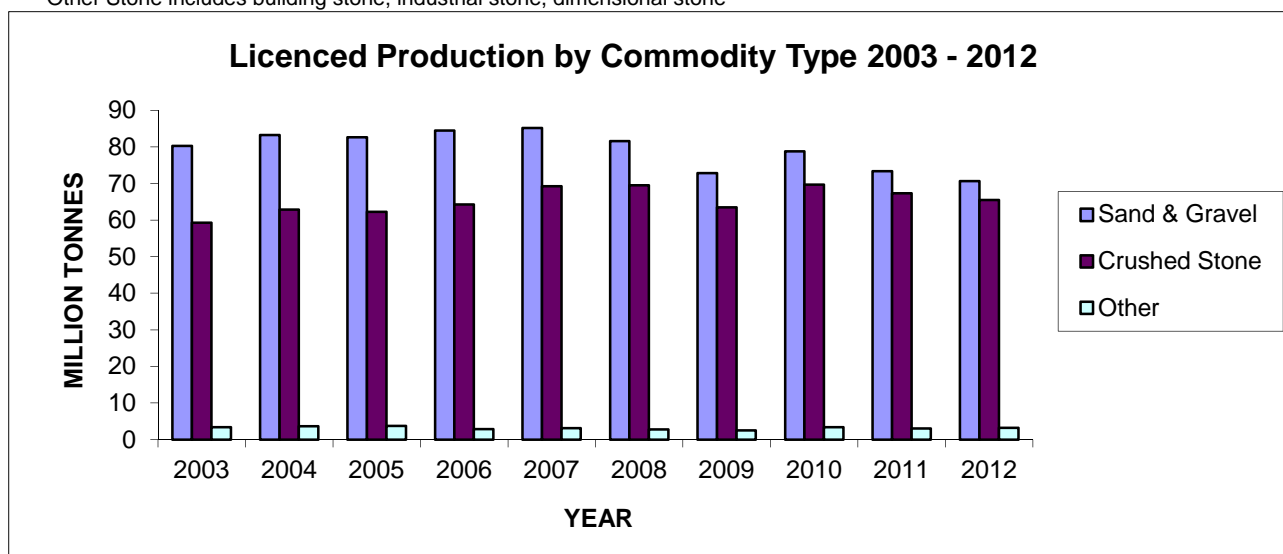


Table 6

**2012 LICENCED AGGREGATE PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

District	Total	Sand & Gravel	Crushed Stone	Clay/ Shale	Other Stone
Aurora (GTA)	22,101,664.28	11,616,476.97	9,783,612.58	674,575.23	26,999.50
Aylmer	13,253,317.85	9,118,659.00	4,119,027.74	5,593.00	10,038.11
Bancroft	3,805,312.74	759,397.71	2,863,799.64	0.00	182,115.39
Guelph (Cambridge)	31,635,809.22	19,612,519.63	11,944,319.10	75,644.59	3,325.90
Kemptville	19,160,118.73	3,984,359.00	13,382,255.80	12,362.62	1,781,141.31
Midhurst	16,700,067.67	9,952,215.07	6,477,107.48	21,273.17	249,471.95
North Bay	1,479,981.58	913,180.85	554,434.44	1,365.44	11,000.85
Parry Sound	3,191,609.87	1,532,556.20	1,635,001.20	4,950.00	19,102.47
Pembroke	2,248,884.52	1,703,579.34	541,004.75	0.00	4,300.43
Peterborough	15,792,942.64	6,308,728.39	9,400,554.23	55,594.36	28,065.66
Sault Ste. Marie	2,621,301.69	1,341,762.03	1,276,819.86	0.00	2,719.80
Sudbury	6,208,709.73	2,764,045.49	3,411,629.96	27,008.99	6,025.29
Thunder Bay	1,107,884.85	992,255.41	115,057.44	0.00	572.00
<b>TOTAL</b>	<b>139,307,605.36</b>	<b>70,599,735.09</b>	<b>65,504,624.22</b>	<b>878,367.40</b>	<b>2,324,878.66</b>

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



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

	Total	Sand & Gravel	Crushed Stone	Other
2003	142.91	80.30	59.25	3.36
2004	149.76	83.28	62.83	3.65
2005	148.59	82.62	62.27	3.70
2006	151.61	84.49	64.24	2.88
2007	157.56	85.17	69.24	3.15
2008	153.80	81.55	69.52	2.73
2009	138.84	72.79	63.51	2.54
2010	151.76	78.78	69.64	3.34
2011	143.73	73.36	67.34	3.03
2012	139.30	70.60	65.50	3.20

Table 7

**2012 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported by MNR District)**

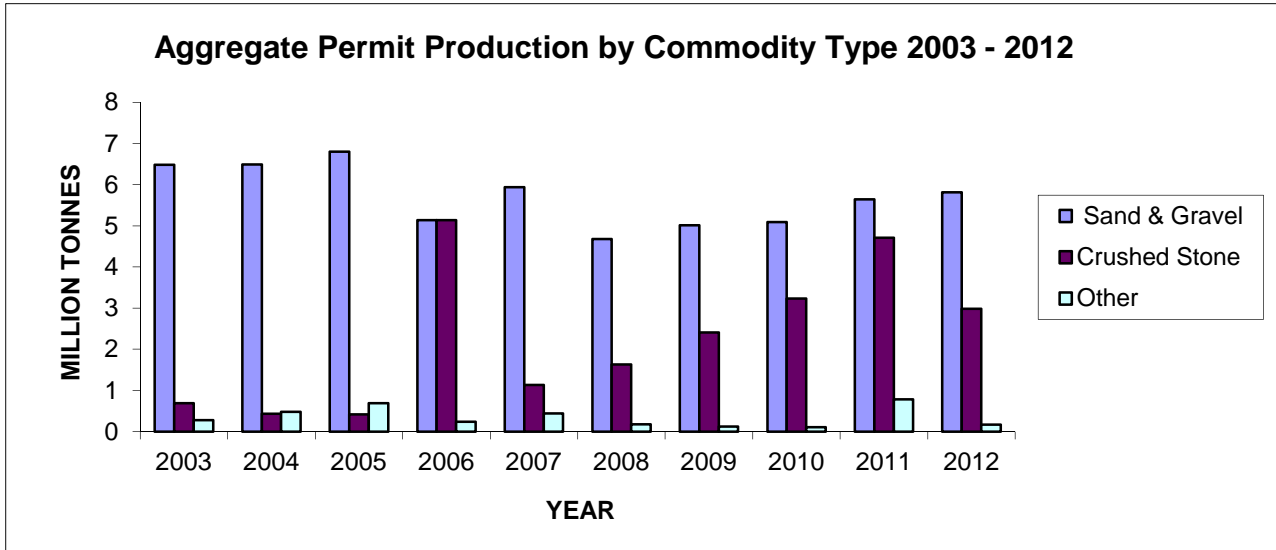
<b>Region/District</b>	<b>Total Production</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/Shale</b>	<b>Other Stone</b>
<b>NORTHEAST</b>					
Chapleau	43,381.75	43,381.75	-	-	-
Cochrane	1,076,003.18	791,196.49	284,806.69	-	-
Hearst	390,165.06	301,951.92	88,172.34	40.80	-
Kirkland Lake	695,766.85	695,766.85	-	-	-
North Bay	478,078.66	353,130.87	124,887.38	-	60.41
Sault Ste. Marie	188,328.63	188,328.63	-	-	-
Sudbury	797,205.53	232,257.97	558,106.86	20.40	6,820.30
Timmins	884,472.21	880,884.21	3,588.00	-	-
Wawa	478,217.00	309,864.12	142,987.88	25,365.00	-
<b>Sub-Total</b>	<b>5,031,618.87</b>	<b>3,796,762.81</b>	<b>1,202,549.15</b>	<b>25,426.20</b>	<b>6,880.71</b>
<b>NORTHWEST</b>					
Dryden	744,026.66	252,068.08	491,199.58	-	759.00
Fort Frances	192,499.17	173,164.17	13,874.00	-	5,461.00
Kenora	97,056.06	51,088.59	28,530.00	-	17,437.47
Nipigon	454,197.44	282,942.15	169,949.29	-	1,306.00
Red Lake	329,193.51	251,784.51	77,409.00	-	-
Sioux Lookout	744,315.63	633,380.63	110,377.00	-	558.00
Thunder Bay	433,336.74	197,175.22	236,106.74	-	54.78
<b>Sub-Total</b>	<b>2,994,625.21</b>	<b>1,841,603.35</b>	<b>1,127,445.61</b>	<b>-</b>	<b>25,576.25</b>
<b>SOUTHCENTRAL</b>					
Algonquin Park	-	-	-	-	-
Aurora (GTA)	-	-	-	-	-
Aylmer	7,150.00	7,150.00	-	-	-
Bancroft	375,348.71	23,170.55	261,764.48	-	90,413.68
Guelph (Cambridge)	-	-	-	-	-
Kemptville	881.28	881.28	-	-	-
Midhurst	14,851.00	-	-	14,851.00	-
Parry Sound	177,968.63	37,708.12	138,692.51	-	1,568.00
Pembroke	104,647.00	104,647.00	-	-	-
Peterborough (Tweed)	250,304.55	-	250,304.55	-	-
<b>Sub-Total</b>	<b>931,151.17</b>	<b>173,556.95</b>	<b>650,761.54</b>	<b>14851.00</b>	<b>91,981.68</b>
<b>TOTAL</b>	<b>8,957,395.25</b>	<b>5,811,923.11</b>	<b>2,980,756.30</b>	<b>40,277.20</b>	<b>124,438.64</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2012 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported By Year)**



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

	Total	Sand & Gravel	Crushed Stone	Other
2003	7.45	6.48	0.69	0.28
2004	7.40	6.49	0.43	0.48
2005	7.91	6.80	0.42	0.69
2006	10.52	5.14	5.14	0.24
2007	7.51	5.94	1.13	0.44
2008	6.49	4.68	1.63	0.18
2009	7.54	5.01	2.41	0.12
2010	8.43	5.09	3.23	0.11
2011	11.13	5.64	4.71	0.78
2012	8.96	5.81	2.98	0.17

Table 9

**2012 AGGREGATE PERMIT PRODUCTION  
BY COMMODITY TYPE  
(Reported by CAC\* Geographic Areas)**

<b>Area</b>	<b>Total</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/ Shale</b>	<b>Other Stone</b>
Southwest (1)	7,150	7,150	0	0	0
Peninsula (2)	0	0	0	0	0
West Central (3)	14,851	0	0	14,851	0
GTA (4)	0	0	0	0	0
East Central (5)	645,843	31,312	522,549	0	91,982
East (6)	105,972	105,972	0	0	0
Northeast (7)	4,542,410	3,287,942	1,247,526	61	6,881
Northwest (8)	3,641,169	2,379,547	1,210,681	25,365	25,576
<b>TOTAL</b>	<b>8,957,395</b>	<b>5,811,923</b>	<b>2,980,756</b>	<b>40,277</b>	<b>124,439</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

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

**2012 AGGREGATE LICENCE PRODUCTION  
BY COMMODITY TYPE  
(Reported by CAC\* Geographic Areas)**

<b>Area</b>	<b>Total</b>	<b>Sand &amp; Gravel</b>	<b>Crushed Stone</b>	<b>Clay/ Shale</b>	<b>Other Stone</b>
Southwest (1)	17,124,552	12,264,302	4,837,061	9,825	13,364
Peninsula (2)	13,379,348	2,564,320	10,779,633	35,394	0
West Central (3)	31,085,295	23,854,772	6,923,760	57,292	249,472
GTA (4)	22,102,664	11,617,477	9,783,613	674,575	27,000
East Central (5)	17,429,829	7,142,874	10,055,718	15,020	216,217
East (6)	25,555,959	6,472,464	17,233,577	52,967	1,796,951
Northeast (7)	8,899,586	4,348,324	4,499,385	33,294	18,583
Northwest (8)	3,730,372	2,335,203	1,391,877	0	3,292
<b>TOTAL</b>	<b>139,307,605</b>	<b>70,599,735</b>	<b>65,504,624</b>	<b>878,367</b>	<b>2,324,879</b>

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

Other Stone includes building stone, industrial stone, dimensional stone

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

Table 10

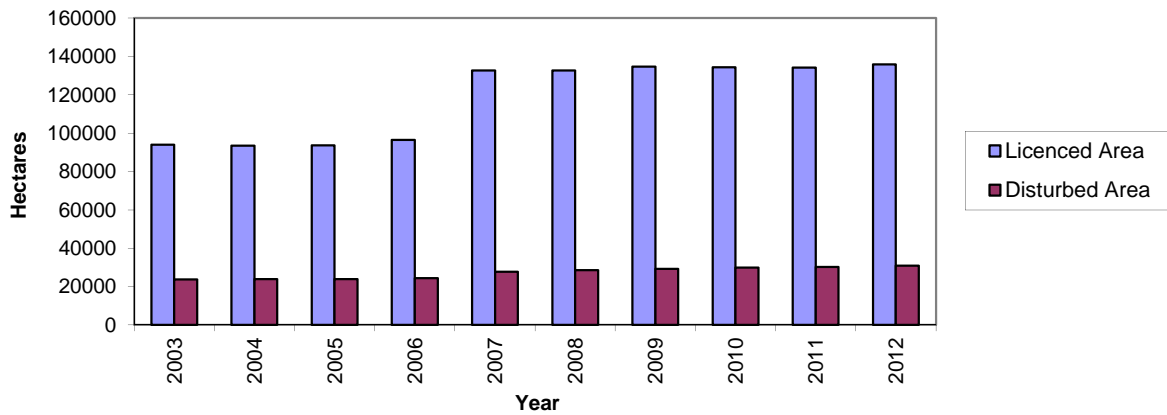
**REHABILITATION OF  
LICENCED AGGREGATE SITES IN 2012  
(Reported by MNR District)**

District	Total No. of Licences	Total Licenced Area	Original Disturbed Area	New Disturbed Area	New Rehab. Area	Total Disturbed Area
Aurora (GTA)	140	8,174.99	3,033.79	58.77	115.76	2,976.80
Aylmer	305	8,566.86	2,915.67	92.58	87.53	2,920.72
Bancroft	267	9,361.67	1,175.22	22.18	5.18	1,192.22
Guelph (Cambridge)	456	16,405.82	4,970.77	149.73	144.52	4,975.98
Kemptville	475	14,251.25	4,460.57	85.69	76.72	4,469.53
Midhurst	482	15,685.30	3,878.74	121.22	89.08	3,910.88
North Bay	144	6,575.95	919.90	20.29	3.89	936.30
Parry Sound	302	9,670.08	2,036.86	20.48	11.29	2,046.06
Pembroke	224	5,607.26	780.58	42.69	16.24	807.03
Peterborough (Tweed)	530	15,151.72	3,842.24	87.06	49.41	3,879.90
Sault Ste. Marie	98	4,232.63	747.36	17.46	12.16	752.66
Sudbury	237	18,535.25	1,767.23	68.84	43.91	1,792.16
Thunder Bay	59	3,625.27	240.02	6.36	1.62	244.76
Wawa	2	46.87	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>3,721</b>	<b>135,890.92</b>	<b>30,768.94</b>	<b>793.36</b>	<b>657.31</b>	<b>30,904.99</b>

Note: Areas reported in hectares

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

**Total Licenced & Disturbed Area 2003 - 2012**



**New Rehabilitated & Disturbed Area 2003 - 2012**

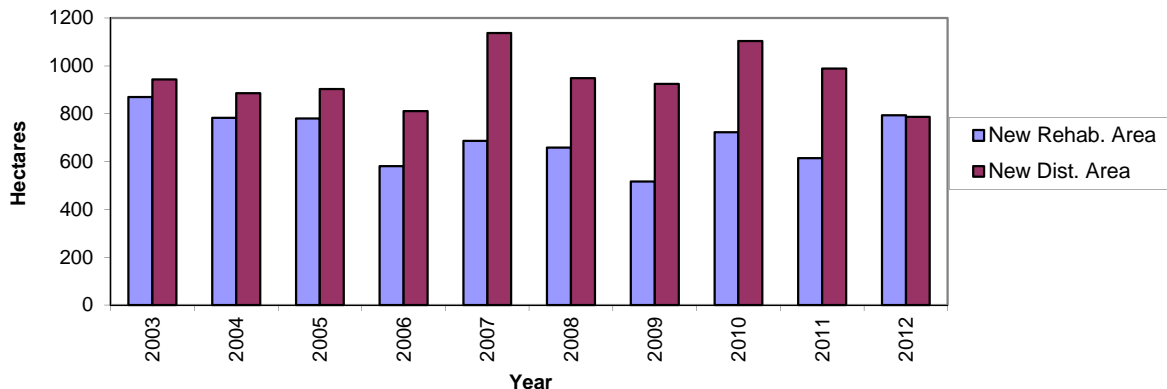


Table 11

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

<b>Region/District</b>	<b>Total Hectarage</b>	<b>Total No. of Permits</b>	<b>Pit</b>	<b>Quarry</b>	<b>Pit &amp; Quarry</b>	<b>Underwater</b>
<b>NORTHEAST</b>						
Chapleau	1,269.55	136	132	4	0	0
Cochrane	3,184.53	129	112	10	7	0
Hearst	3,839.19	189	164	23	2	0
Kirkland Lake	2,013.03	157	145	10	2	0
North Bay	2,801.42	196	163	24	9	0
Sault Ste. Marie	1,098.00	101	94	5	2	0
Sudbury	4,653.93	160	124	24	12	0
Timmins	2,116.00	146	132	9	5	0
Wawa	2,321.34	194	180	8	6	0
<b>Sub-Total</b>	<b>23,296.99</b>	<b>1,408</b>	<b>1,246</b>	<b>117</b>	<b>45</b>	<b>0</b>
<b>NORTHWEST</b>						
Dryden	2,415.84	187	167	9	11	0
Fort Frances	2,321.71	216	198	4	14	0
Kenora	2,997.89	179	138	23	18	0
Nipigon	3,420.51	223	188	17	18	0
Red Lake	1,172.65	74	70	3	1	0
Sioux Lookout	1,878.32	79	74	2	3	0
Thunder Bay	3,788.65	152	120	20	12	0
<b>Sub-Total</b>	<b>17,995.57</b>	<b>1,110</b>	<b>955</b>	<b>78</b>	<b>77</b>	<b>0</b>
<b>SOUTHCENTRAL</b>						
Aylmer	0.10	1	0	0	0	1
Bancroft	1,166.80	67	53	14	0	0
Guelph (Cambridge)	620.00	1	0	0	0	1
Kemptville	2.00	1	1	0	0	0
Midhurst	10.50	1	1	0	0	0
Parry Sound	937.29	88	63	18	7	0
Pembroke	121.60	33	33	0	0	0
Peterborough (Tweed)	31.40	2	0	1	1	0
<b>Sub-Total</b>	<b>2,889.69</b>	<b>194</b>	<b>151</b>	<b>33</b>	<b>8</b>	<b>2</b>
<b>TOTAL</b>	<b>44,182.25</b>	<b>2,712</b>	<b>2,352</b>	<b>228</b>	<b>130</b>	<b>2</b>



## APPENDIX A

### GLOSSARY OF TERMS

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

#### Active Licence

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

#### Aggregate

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

#### Aggregate Permit

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

#### ALPS

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

#### Building Dimension

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

#### Clay/Shale

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

#### Class A Licence

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

#### Class B Licence

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

#### Crown Land

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

#### Crushed Stone

Rock or stone mechanically crushed to specified sizes and grading.

#### Designated Area

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

### Disturbed Area

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

### Gravel

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

### Housing Starts

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

### Inactive Licence

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

### Licence

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

### Licensed Area

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

### Pit

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

### Private Land

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

### Progressive Rehabilitation

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

### Pits & Quarries Control Act

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

### Quarry

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

### Rehabilitation

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

### Royalty

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

### Sand

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

### Wayside Permit

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

**APPENDIX B**

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

(by Geographic Twp)

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

**DECEMBER 19, 1971**

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

**MARCH 3, 1972**

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

**MAY 9, 1972**

Brantford	Pittsburgh	South Dumfries
Guelph	Puslinch	Waterloo
Kingston	North Dumfries	

**AUGUST 15, 1973**

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

North Gower  
North Oxford  
Oneida  
Orillia  
Oro  
Pilkington  
Raleigh  
Romney

Sidney  
Sunnidale  
Thurlow  
Tilbury East  
Tyendinaga  
Uxbridge  
Vespra  
Walpole

Wellesley  
West Oxford  
Willoughby  
Wilmot  
Woodhouse  
Woolwich  
Yarmouth

**FEBRUARY 15, 1974**

Delaware  
North Dorchester

**MAY 17, 1974**

Pelee

**MAY 1, 1975**

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

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

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

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

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

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

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

Great LaCloche Island  
Little LaCloche Island

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

Avenge  
Bosanquet  
Carden

Korah  
Parke  
Prince

Rankin  
St. Mary's  
Tarentorus

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

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

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

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

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

Storrington

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

**APRIL 1, 1992**

Adolphustown  
Amherst Island  
Bedford  
Camden East  
Dalton  
Digby  
Ernestown

Howe Island  
Laxton  
Longford  
Loughborough  
North Fredericksburgh  
Portland  
Richmond

Somerville  
South Fredericksburgh  
Town of Napanee  
Villages of Bath and  
Newburgh  
Wolfe Island

**SEPTEMBER 1, 1993**

Admaston  
Alice and Fraser  
Bagot and Blithfield  
Bromley  
City of Pembroke  
Horton

McNab  
Pembroke  
Petawawa  
Ross  
Stafford

Towns of Arnprior and  
Renfrew  
Villages of Beachburg,  
Braeside, Cobden and  
Petawawa  
Westmeath

**JANUARY 1, 1998**

Anderson  
Appleby  
Archibald  
Aweres  
Awrey  
Baldwin  
Burwash  
Cartier  
Cascaden  
Casimir  
Chesley Additional  
Cleland  
Cosby  
Curtin  
Delamere  
Dennis  
Deroche  
Duncan  
Dunnet  
Eden  
Fenwick  
Fisher  
Foster  
Foy

Gaudette  
Gough  
Hagar  
Hallam  
Harrow  
Harty  
Haviland  
Hawley  
Hendrie  
Henry  
Herrick  
Hess  
Hilton  
Hodgins  
Hoskin  
Hyman  
Jarvis  
Jennings  
Jocelyn  
Johnson  
Kars  
Kehoe  
Laird  
Laura

Ley  
Loughrin  
Macdonald  
May  
McKinnon  
Meredith and Aberdeen  
Additional  
Merritt  
Mongowin  
Nairn  
Pennefather  
Ratter  
Secord  
Servos  
Shakespeare  
Shields  
St. Joseph  
Street  
Tarbutt and Tarbutt  
Additional  
Tilley  
Tilton  
Tupper  
VanKoughnet

**DECEMBER 4, 1999**

Village of Hilton Beach

**JULY 22, 2004**

Andre  
Bostwick  
Franchere  
Groseilliers  
Legarde

Levesque  
Macaskill  
Menzies  
Michipicoten  
Musquash

Rabazo  
St. Germain  
Warpula

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

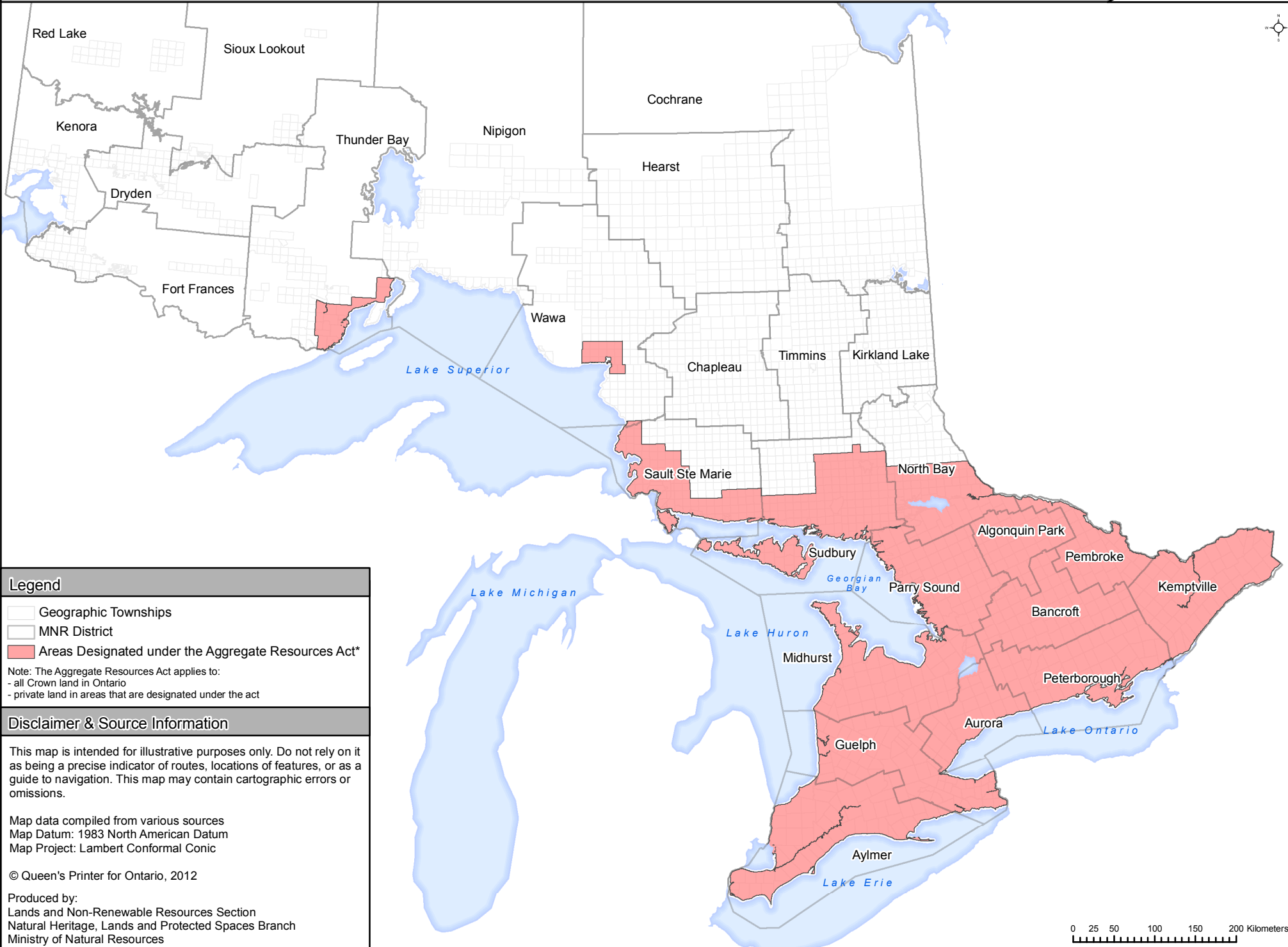
1. Those parts of the County of Frontenac consisting of the townships of Central Frontenac and North Frontenac.
2. Those parts of the County of Renfrew consisting of,
  - a) the Township of Bonnechere Valley, the Township of Brudenell, Lyndoch and Raglan, the Township of Head, Clara and Maria, the Township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



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

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

# Areas Designated under the Aggregate Resources Act



## Legend

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

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

## Disclaimer & Source Information

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

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

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



# CANADIAN PORTLAND CEMENT ASSOCIATION\* GEOGRAPHIC AREAS

\* Now CAC - Cement Association of Canada



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