



● MINERAL ● AGGREGATES ● IN ONTARIO

Statistical Update

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Prepared by:



**THE ONTARIO AGGREGATE
RESOURCES CORPORATION**

MINERAL AGGREGATES IN ONTARIO

PRODUCTION STATISTICS

2008

Prepared by

The Ontario Aggregate Resources Corporation

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MINERAL AGGREGATES IN ONTARIO

Overview

Mineral aggregate is an indispensable commodity to the infrastructure of our modern 'built environment'. High quality aggregate is a key ingredient in the production of ready-mixed concrete, manufactured concrete products of all types (block, brick, precast, etc.), asphalt pavements and sub-surface fill which is so important in providing drainage and load bearing base for structures. Aggregates literally provide the basis for a \$37 billion construction industry that employs over 292,000 people in Ontario. The aggregate industry employs an estimated 7,000 people directly and some 34,000 people indirectly in services such as transportation and equipment. The aggregate industry also makes a significant contribution to the \$1.9 billion cement and concrete manufacturing industry, the \$1.3 billion glass and glass products industry, and a \$2.9 billion pharmaceutical and medicine manufacturing industry in Ontario.

In 2008, this basic non-renewable resource was supplied from 3,762 licensed aggregate sites on private land in designated parts of the Province and 3,199 permitted sites on Crown land. It is estimated that over 50% of all aggregate produced in the Province is sold to public authorities for the construction and maintenance of the public infrastructure such as roads, bridges, etc.

Management of Ontario's Mineral Aggregate Resources

At the Provincial level, the management of Ontario's aggregate resources is the responsibility of the Ministry of Natural Resources (MNR). In 1997, in an effort to better focus resources on the delivery of core programs, the MNR took steps to build a partnership with private industry to manage certain administrative functions. Accordingly, subsections 6.1 (1) and 6.1 (3) of the *Aggregate Resources Act*, R.S.O. 1990, Chap. A.8, as amended (the "Act"), gave the Minister the power to create the Aggregate Resources Trust (the "Trust") and appoint a trustee to look after its affairs. TOARC was incorporated in 1997 to act as trustee of the Aggregate Resources Trust, a trust created under the authority of the Aggregate Resources Act and pursuant to a trust indenture between the Corporation and the Minister of Natural Resources for the Province of Ontario.

The Trust Purposes include:

1. The rehabilitation of land for which a Licence or Permit has been revoked and for which final rehabilitation has not been completed;
2. The rehabilitation of abandoned pits and quarries, including surveys and studies respecting their location and condition;
3. Research on aggregate resources management, including rehabilitation;
4. Payments to the Crown in right of Ontario and to regional municipalities, counties and local municipalities in accordance with regulations made pursuant to the Act;
5. The management of the Abandoned Pits and Quarries Rehabilitation Fund;

6. Such other purposes as may be provided for by or pursuant to Paragraph 6.1(2) 5 of the Act.

In August of 1999, Addendum 1 to the Original Trust Indenture was signed to expand the Trust Purposes to include:

- (a) The education and training of persons engaged in or interested in the management of the aggregate resources of Ontario, the operation of pits or quarries, or the rehabilitation of land from which aggregate has been excavated;
- (b) The gathering, publishing and dissemination of information relating to the management of the aggregate resources of Ontario, the control and regulation of aggregate operations and the rehabilitation of land from which aggregate has been excavated.

TOARC is governed by a multi-stakeholder board of directors. The seven-member Board is composed of directors from the Ontario Stone, Sand & Gravel Association of Ontario (OSSGA), representatives from environmental groups, municipalities and non-OSSGA member aggregate producers. TOARC maintains its own office facilities and management staff. TOARC as the ARA trustee is responsible to the Minister of Natural Resources to fulfill the Trust purposes as outlined in Bill 52. The MNR maintains a presence on the Board with an ex officio representative.

Since its inception in 1997, TOARC has focused upon the efficient collection and disbursement of aggregate resource charges, the auditing of production reports, the rehabilitation of abandoned pits and quarries through the MAAP program, the creation of an inventory of sites where licences have been revoked, as well as their rehabilitation, and the general management of the Trust assets.

Role of the Ministry of Natural Resources

While the MNR has developed certain external partnerships for the delivery of portions of their Aggregate Resources Program, their mission remains:

- To protect the provincial interest in aggregate resources and develop, maintain and enforce appropriate technical standards.
- To provide leadership in the development of partnerships with key stakeholders for the effective management of aggregate resources to benefit the people of Ontario.

With the guidance of the mission statements, a number of program objectives have been created which drive MNR's daily business practices. These program objectives include:

- Promote exploration and ensure availability through the conservation and orderly development of aggregate resources.

- Ensure that aggregate resources are developed with a high standard of environmental protection and public safety.
- Upgrade and maintain current information databases essential for sound technical and scientific decisions.
- Ensure fair revenue from the production of Crown resources.
- Ensure industry compliance with technical standards.
- Train staff and external clients in skills and knowledge essential for the effective delivery of the Aggregate Resources Program.

The continued business approach for the Aggregate Resources Program is based on the following principles:

- The core business of the program is:
 - Standards and policy development
 - Technical approvals
 - Ensuring compliance with standards
- Private industry clients assume responsibility and accountability for:
 - Compliance reporting
 - Financial management
 - Operations

The delegation of authority policy approved in July of 1998 continues. The objective of this policy is to delegate Ministerial authority to the level that provides the best efficiencies and customer service. Standing committees with the industry continue to encourage ongoing communication and customer service.

Core program staffs responsible for the standards and policy development, program design and program coordination, evaluation and monitoring are part of the Aggregate and Petroleum Resources Section, Lands and Waters Branch, Natural Resource Management Division. The districts that have either Aggregate Resources Officers or Aggregate Technicians deliver this program. The specialists and technicians, who are designated inspectors, are the core staff responsible for the acceptance of applications and are leads when dealing with compliance. These inspectors often have responsibility beyond the administrative boundaries of their districts. Also, at the district level, reporting to the Compliance Supervisor, Conservation Officers take an active role in enforcement actions under the Aggregate Resources Act.

In 1997, certain responsibilities with respect to the issuing and administration of permits and wayside permits were delegated to the Ontario Ministry of Transportation (MTO), specific to MTO contracts and needs.

Aggregate Production

Overall production of mineral aggregates in 2008 totaled approximately 167 million tonnes, down 6 million tonnes or 3.5% from the previous year. Production from licenced operations was down 4.0 million tonnes or 2.5% compared to 2007. Wayside permit production decreased by 90% from 2007 on relatively small volumes (1 million in 2007 compared to .1 million in 2008). Production from aggregate permits on Crown Land decreased 13.3% from 2007 (6.5 million in 2008 from 7.5 million tonnes in 2007).

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

Table 1

AGGREGATE PRODUCTION IN ONTARIO - 1996 - 2008
(rounded to nearest million tonnes)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Licences | 114 | 124 | 124 | 131 | 145 | 145 | 141 | 143 | 150 | 149 | 152 | 158 | 154 |
| Wayside Permits* | 2 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| Aggregate Permits | 9 | 8 | 9 | 11 | 10 | 7 | 7 | 7 | 7 | 8 | 11 | 8 | 7 |
| Category 14 (Forest Industry) | - | - | - | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| Private Land Non-Designated (estimated) | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 2 | 2 |
| ONTARIO TOTAL | 136 | 144 | 146 | 157 | 171 | 167 | 164 | 165 | 173 | 174 | 179 | 173 | 167 |

*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 and .1 million for 2008

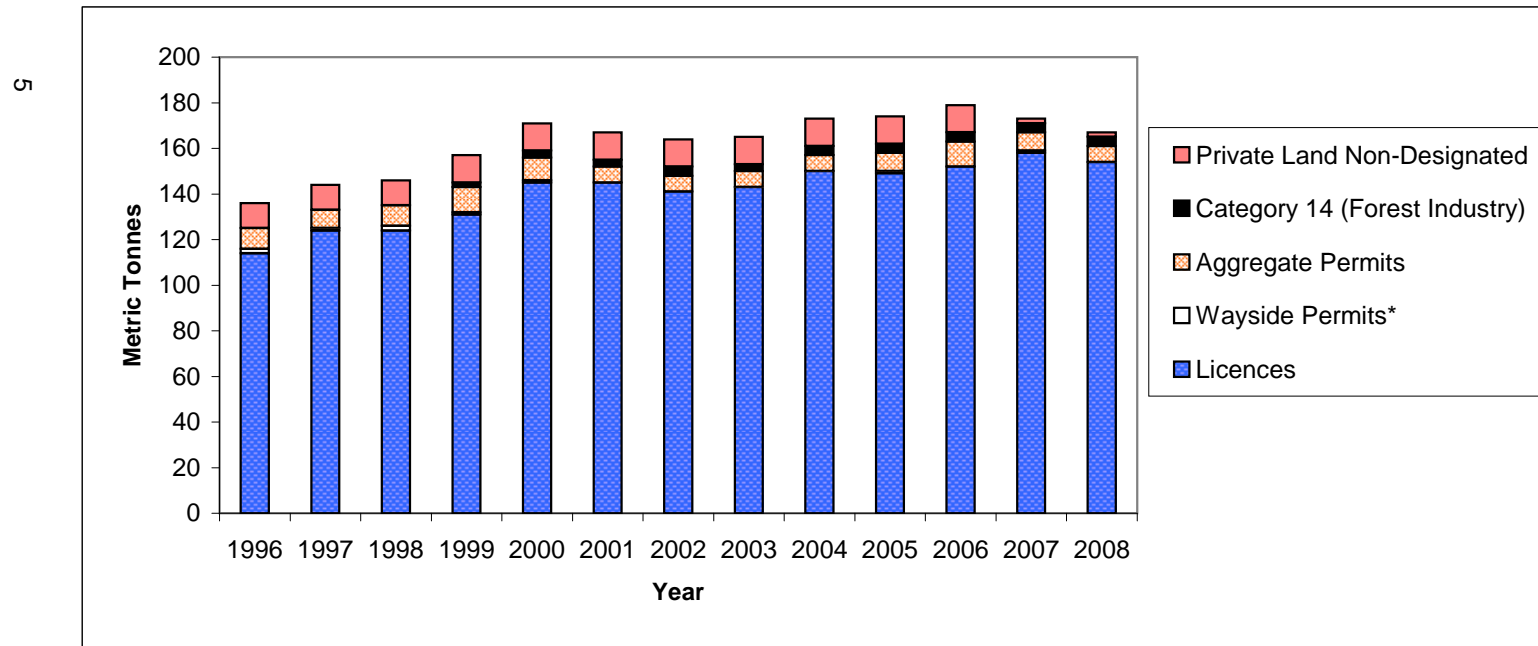


Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|--|---------------------|--------------------|---------------------|
| Algoma District | | | |
| Algoma District, Unorganized | 46,692.51 | | 46,692.51 |
| Blind River, Town of/Spanish, Town of/The North Shore, Tp/ Elliot Lake, City of | 119,060.77 | | 119,060.77 |
| Bruce Mines, Town of/Huron Shores, Municipality of/ Plummer Additional Tp | 1,704,943.24 | | 1,704,943.24 |
| Hilton Tp | 40,756.04 | | 40,756.04 |
| Jocelyn Tp | 88,107.48 | | 88,107.48 |
| Johnson Tp/Tarbutt & Tarbutt Add'l Tp | 53,715.65 | | 53,715.65 |
| Laird Tp/St. Joseph Tp | 8,819.38 | | 8,819.38 |
| Macdonald, Meredith & Aberdeen Add'l Tp | 450.00 | | 450.00 |
| Sault Ste. Marie, City of/Prince Tp | 852,576.34 | | 852,576.34 |
| Sub-Total | 2,915,121.41 | 0.00 | 2,915,121.41 |
| Brant | | | |
| Brant, County of/Brantford, City of | 2,161,757.67 | | 2,161,757.67 |
| Sub-Total | 2,161,757.67 | 0.00 | 2,161,757.67 |
| Bruce | | | |
| Arran-Elderslie, Municipality of | 180,983.31 | 21,100.00 | 202,083.31 |
| Brockton, Municipality of | 130,216.51 | | 130,216.51 |
| Huron-Kinloss Tp | 371,513.74 | | 371,513.74 |
| Kincardine, Municipality of | 122,020.79 | | 122,020.79 |
| Northern Bruce Peninsula, Municipality of | 219,456.24 | | 219,456.24 |
| Saugeen Shores, Town of | 258,230.70 | | 258,230.70 |
| South Bruce, Municipality of | 389,797.82 | | 389,797.82 |
| South Bruce Peninsula, Town of | 340,564.55 | | 340,564.55 |
| Sub-Total | 2,012,783.66 | 21,100.00 | 2,033,883.66 |
| Chatham-Kent | | | |
| Chatham-Kent, Municipality of | 207,561.21 | | 207,561.21 |
| Sub-Total | 207,561.21 | 0.00 | 207,561.21 |
| Dufferin | | | |
| Amaranth Tp/East Luther Grand Valley Tp | 193,734.00 | | 193,734.00 |
| East Garafraxa Tp | 1,207,395.82 | | 1,207,395.82 |
| Melancthon Tp | 963,522.90 | | 963,522.90 |
| Mono Tp | 445,295.00 | | 445,295.00 |
| Mulmur Tp | 243,868.27 | | 243,868.27 |
| Sub-Total | 3,053,815.99 | 0.00 | 3,053,815.99 |
| Durham | | | |
| Brock Tp | 1,584,775.51 | | 1,584,775.51 |
| Clarington, Municipality of | 4,550,342.80 | | 4,550,342.80 |
| Oshawa, City of/Scugog Tp/Whitby, Town of | 129,115.44 | | 129,115.44 |
| Uxbridge Tp | 3,728,275.41 | | 3,728,275.41 |
| Sub-Total | 9,992,509.16 | 0.00 | 9,992,509.16 |
| Elgin | | | |
| Bayham/West Elgin, Municipality of/Malahide Tp | 309,934.73 | | 309,934.73 |
| Central Elgin, Municipality of | 291,319.66 | | 291,319.66 |
| Sub-Total | 601,254.39 | 0.00 | 601,254.39 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|---|---------------------|------------------|---------------------|
| Essex | | | |
| Amherstburg, Town of/Leamington, Municipality of/Pelee Tp | 1,257,512.00 | | 1,257,512.00 |
| Kingsville, Town of | 356,024.00 | | 356,024.00 |
| Sub-Total | 1,613,536.00 | 0.00 | 1,613,536.00 |
| Frontenac | | | |
| Central Frontenac Tp | 292,511.70 | | 292,511.70 |
| Frontenac Islands Tp | 729,048.22 | | 729,048.22 |
| Kingston, City of | 1,351,771.86 | | 1,351,771.86 |
| North Frontenac Tp | 140,954.50 | | 140,954.50 |
| South Frontenac Tp | 351,295.92 | | 351,295.92 |
| Sub-Total | 2,865,582.20 | 0.00 | 2,865,582.20 |
| Greater Sudbury | | | |
| Greater Sudbury, City of | 3,176,459.96 | | 3,176,459.96 |
| Sub-Total | 3,176,459.96 | 0.00 | 3,176,459.96 |
| Grey | | | |
| Chatsworth Tp | 484,558.63 | | 484,558.63 |
| Georgian Bluffs, Tp | 649,056.24 | | 649,056.24 |
| Grey Highlands, Municipality of | 266,251.35 | | 266,251.35 |
| Meaford, Municipality of | 524,184.99 | | 524,184.99 |
| Southgate Tp | 377,902.85 | | 377,902.85 |
| The Blue Mountains, Town of | 368,766.80 | | 368,766.80 |
| West Grey, Municipality of | 638,948.42 | 55,000.00 | 693,948.42 |
| Sub-Total | 3,309,669.28 | 55,000.00 | 3,364,669.28 |
| Haldimand | | | |
| Haldimand, County of | 1,310,270.30 | | 1,310,270.30 |
| Sub-Total | 1,310,270.30 | 0.00 | 1,310,270.30 |
| Haliburton | | | |
| Algonquin Highlands, Tp | 54,409.21 | | 54,409.21 |
| Dysart et al, Tp | 299,642.07 | | 299,642.07 |
| Highlands East, Tp | 30,799.68 | | 30,799.68 |
| Minden Hills, TP | 181,629.28 | | 181,629.28 |
| Sub-Total | 566,480.24 | 0.00 | 566,480.24 |
| Halton | | | |
| Burlington, City of/Halton Hills, Town of | 4,057,825.16 | | 4,057,825.16 |
| Milton, Town of | 4,487,238.58 | | 4,487,238.58 |
| Sub-Total | 8,545,063.74 | 0.00 | 8,545,063.74 |
| Hamilton | | | |
| Hamilton, City of | 5,666,848.07 | | 5,666,848.07 |
| Sub-Total | 5,666,848.07 | 0.00 | 5,666,848.07 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|---|---------------------|----------------------------|---------------------|
| <i>Hastings</i> | | | |
| Bancroft, Town of | 46,817.24 | | 46,817.24 |
| Belleville, City of | 729,362.04 | | 729,362.04 |
| Carlo/Mayo Tp | 47,737.67 | | 47,737.67 |
| Centre Hastings, Municipality of | 174,385.37 | | 174,385.37 |
| Faraday Tp | 35,619.80 | | 35,619.80 |
| Hasting Highlands | 156,523.86 | | 156,523.86 |
| Limerick Tp | 19,615.28 | | 19,615.28 |
| Madoc Tp | 771,285.41 | | 771,285.41 |
| Marmora & Lake, Municipality of/Stirling-Rawdon, Tp | 19,732.75 | | 19,732.75 |
| Quinte West, City of | 708,175.15 | | 708,175.15 |
| Tweed, Municipality of | 126,289.99 | | 126,289.99 |
| Tyendinaga Tp | 176,768.37 | | 176,768.37 |
| Wollaston | 37,287.60 | | 37,287.60 |
| Sub-Total | 3,049,600.53 | 0.00 | 3,049,600.53 |
| <i>Huron</i> | | | |
| Ashfield-Colborne-Wawanosh Tp | 845,717.38 | | 845,717.38 |
| Bluewater, Municipality of | 6,344.46 | | 6,344.46 |
| Central Huron, Municipality of | 607,229.80 | | 607,229.80 |
| Howick Tp | 285,843.97 | | 285,843.97 |
| Huron East, Municipality of | 706,418.33 | | 706,418.33 |
| Morris-Turnberry, Municipality of | 207,949.99 | | 207,949.99 |
| North Huron Tp | 69,135.60 | | 69,135.60 |
| South Huron, Municipality of | 148,026.37 | | 148,026.37 |
| Sub-Total | 2,876,665.90 | 0.00 | 2,876,665.90 |
| <i>Kawartha Lakes</i> | | | |
| Kawartha Lakes, City of | 5,475,255.06 | | 5,475,255.06 |
| Sub-Total | 5,475,255.06 | 0.00 | 5,475,255.06 |
| <i>Lambton</i> | | | |
| Enniskillen/Warwick Tp | 276,570.94 | | 276,570.94 |
| Lambton Shores, Municipality of | 42,015.47 | | 42,015.47 |
| Plympton-Wyoming, Town of | 290,664.34 | | 290,664.34 |
| Sub-Total | 609,250.75 | 0.00 | 609,250.75 |
| <i>Lanark</i> | | | |
| Beckwith Tp | 257,327.49 | | 257,327.49 |
| Drummond-North Elmsley Tp | 126,468.19 | | 126,468.19 |
| Lanark Highlands Tp | 1,159,366.19 | | 1,159,366.19 |
| Mississippi Mills, Town of | 172,776.38 | | 172,776.38 |
| Montague Tp | 209,451.61 | | 209,451.61 |
| Tay Valley Tp | 21,160.80 | | 21,160.80 |
| Sub-Total | 1,946,550.66 | 0.00 | 1,946,550.66 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|--|---------------------|--------------------|---------------------|
| Leeds & Grenville | | | |
| Athens Tp/Front of Yonge Tp | 229,214.57 | | 229,214.57 |
| Augusta Tp | 195,813.06 | | 195,813.06 |
| Edwardsburgh-Cardinal Tp | 119,130.53 | | 119,130.53 |
| Elizabethtown-Kitley Tp | 457,788.88 | | 457,788.88 |
| Leeds and the Thousand Islands Tp | 488,883.58 | | 488,883.58 |
| Merrickville-Wolford, Village of | 53,158.24 | | 53,158.24 |
| North Grenville Tp | 584,027.31 | | 584,027.31 |
| Rideau Lakes Tp | 156,156.14 | | 156,156.14 |
| Sub-Total | 2,284,172.31 | 0.00 | 2,284,172.31 |
| Lennox & Addington | | | |
| Addington Highlands Tp | 20,162.92 | | 20,162.92 |
| Greater Napanee, Town of | 199,357.73 | | 199,357.73 |
| Loyalist Tp | 1,634,813.98 | | 1,634,813.98 |
| Stone Mills Tp | 130,622.74 | | 130,622.74 |
| Sub-Total | 1,984,957.37 | 0.00 | 1,984,957.37 |
| Manitoulin District | | | |
| Assignack, Tp | 9,814.68 | | 9,814.68 |
| Barrie Island, TP/Burpee & Mills, Tp/Cockburn Island, Tp | 7,694.84 | | 7,694.84 |
| Billings, Tp | 10,023.00 | | 10,023.00 |
| Central Manitoulin Tp | 56,403.62 | | 56,403.62 |
| Gordon, Tp | 18,786.12 | | 18,786.12 |
| Northeastern Manitoulin & The Islands | 94,217.32 | | 94,217.32 |
| Tehkummah, Tp | 19,250.48 | | 19,250.48 |
| Unorganized - Manitoulin D | 3,691,291.51 | | 3,691,291.51 |
| Sub-Total | 3,907,481.57 | 0.00 | 3,907,481.57 |
| Middlesex | | | |
| Adelaide Metcalfe Tp | 17,645.00 | | 17,645.00 |
| London, City of | 1,511,642.32 | | 1,511,642.32 |
| Lucan Biddulph Tp | 7,283.74 | | 7,283.74 |
| Middlesex Centre Tp | 545,135.01 | | 545,135.01 |
| North Middlesex, Municipality of | 93,653.14 | | 93,653.14 |
| Strathroy-Caradoc Tp | 38,171.00 | | 38,171.00 |
| Thames Centre, Municipality of | 2,617,526.82 | | 2,617,526.82 |
| Sub-Total | 4,831,057.03 | 0.00 | 4,831,057.03 |
| Muskoka | | | |
| Bracebridge | 652,544.83 | | 652,544.83 |
| Georgian Bay | 5,414.00 | | 5,414.00 |
| Gravenhurst | 106,557.95 | | 106,557.95 |
| Huntsville | 913,598.62 | | 913,598.62 |
| Lake of Bays, Tp | 139,565.07 | | 139,565.07 |
| Muskoka Lakes, Tp | 308,845.10 | | 308,845.10 |
| Sub-Total | 2,126,525.57 | 0.00 | 2,126,525.57 |
| Niagara | | | |
| Fort Erie, Town of/Pelham, Town of/Port Colborne, City of/ Wainfleet Tp | 1,604,917.21 | | 1,604,917.21 |
| Lincoln, Town of/Niagara-on-the-Lake, Town of | 1,289,543.69 | | 1,289,543.69 |
| Niagara Falls, City of | 1,062,280.34 | | 1,062,280.34 |
| Sub-Total | 3,956,741.24 | 0.00 | 3,956,741.24 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|------------------------------------|----------------------|----------------------------|----------------------|
| <i>Nipissing District</i> | | | |
| Bonfield Tp | 39,556.63 | | 39,556.63 |
| Calvin Tp | 36,818.58 | | 36,818.58 |
| Chisholm Tp | 70,187.72 | | 70,187.72 |
| Mattawan Tp/South Algonquin Tp | 18,740.76 | | 18,740.76 |
| North Bay, City of | 626,797.85 | | 626,797.85 |
| Papineau-Cameron Tp | 46,835.90 | | 46,835.90 |
| Unorganized - Nipissing D | 2,343.00 | | 2,343.00 |
| West Nipissing, Municipality of | 365,502.69 | | 365,502.69 |
| Sub-Total | 1,206,783.13 | 0.00 | 1,206,783.13 |
| <i>Norfolk</i> | | | |
| Norfolk, County of | 501,333.10 | | 501,333.10 |
| Sub-Total | 501,333.10 | 0.00 | 501,333.10 |
| <i>Northumberland</i> | | | |
| Alnwick-Haldimand Tp | 188,232.05 | | 188,232.05 |
| Brighton, Municipality of | 220,739.50 | | 220,739.50 |
| Cramahe Tp | 2,056,806.05 | | 2,056,806.05 |
| Hamilton Tp | 319,976.98 | | 319,976.98 |
| Port Hope, Municipality of | 45,542.87 | | 45,542.87 |
| Trent Hills, Municipality of | 206,296.39 | | 206,296.39 |
| Sub-Total | 3,037,593.84 | 0.00 | 3,037,593.84 |
| <i>Ottawa</i> | | | |
| Ottawa, City of | 11,234,566.15 | | 11,234,566.15 |
| Sub-Total | 11,234,566.15 | 0.00 | 11,234,566.15 |
| <i>Oxford</i> | | | |
| Blandford-Blenheim Tp | 525,645.19 | | 525,645.19 |
| East Zorra-Tavistock Tp/Norwich Tp | 224,908.25 | | 224,908.25 |
| South-West Oxford Tp | 1,517,948.54 | | 1,517,948.54 |
| Zorra Tp | 3,561,230.00 | | 3,561,230.00 |
| Sub-Total | 5,829,731.98 | 0.00 | 5,829,731.98 |
| <i>Parry Sound District</i> | | | |
| ArmourTp | 169,462.00 | | 169,462.00 |
| Callander, Municipality of | 7,948.75 | | 7,948.75 |
| Carling Tp/The Archipelago Tp | 16,752.16 | | 16,752.16 |
| Joly Tp | 17,778.34 | | 17,778.34 |
| Kearney, Town of | 19,661.08 | | 19,661.08 |
| Macher Tp | 95,475.65 | | 95,475.65 |
| Magnetawan, Municipality of | 152,072.63 | | 152,072.63 |
| McDougall Tp | 148,352.20 | | 148,352.20 |
| McKeller Tp | 80,456.66 | | 80,456.66 |
| McMurrich-Monteith Tp | 23,803.05 | | 23,803.05 |
| Nipissing Tp | 22,310.32 | | 22,310.32 |
| Perry Tp | 48,002.56 | | 48,002.56 |
| Powassan, Municipality of | 79,237.60 | | 79,237.60 |
| Ryerson Tp | 22,210.98 | | 22,210.98 |
| Seguin Tp | 640,767.10 | | 640,767.10 |
| Strong Tp | 8,562.76 | | 8,562.76 |
| Unorganized - Parry Sound | 198,292.38 | | 198,292.38 |
| Whitestone The Municipality of | 27,479.72 | | 27,479.72 |
| Sub-Total | 1,778,625.94 | 0.00 | 1,778,625.94 |

Table 2

**LICENCE AND WAYSIDE PERMIT PRODUCTION
BY LOWER TIER MUNICIPALITY**
(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|---|--------------|--------------------|--------------|
| Peel | | | |
| Caledon, Town of | 3,757,366.65 | | 3,757,366.65 |
| Sub-Total | 3,757,366.65 | 0.00 | 3,757,366.65 |
| Perth | | | |
| North Perth, Town of/St. Marys, Separated Town of | 87,500.74 | | 87,500.74 |
| Perth East Tp | 398,800.33 | | 398,800.33 |
| Perth South Tp | 1,229,409.60 | | 1,229,409.60 |
| West Perth Tp | 140,116.21 | | 140,116.21 |
| Sub-Total | 1,855,826.88 | 0.00 | 1,855,826.88 |
| Peterborough | | | |
| Asphodel-Norwood Tp | 407,347.26 | | 407,347.26 |
| Cavan-Millbrook-North Monaghan Tp | 34,500.00 | | 34,500.00 |
| Douro-Dummer Tp | 667,700.96 | | 667,700.96 |
| Galway-Cavendish-Harvey Tp | 689,696.55 | | 689,696.55 |
| North Kawartha Tp | 636,087.68 | | 636,087.68 |
| Havelock-Belmont-Methuen Tp | 16,689.77 | | 16,689.77 |
| Otonabee-South Monaghan Tp | 137,874.60 | | 137,874.60 |
| Smith-Ennismore-Lakefield Tp | 653,425.66 | | 653,425.66 |
| Sub-Total | 3,243,322.48 | 0.00 | 3,243,322.48 |
| Prescott & Russell | | | |
| Alfred & Plantagenet Tp | 369,656.45 | | 369,656.45 |
| Champlain Tp | 671,708.01 | | 671,708.01 |
| Clarence-Rockland, City of | 265,182.81 | | 265,182.81 |
| East Hawkesbury Tp | 55,013.84 | | 55,013.84 |
| Russell Tp | 93,985.78 | | 93,985.78 |
| The Nation, Municipality of | 222,165.22 | | 222,165.22 |
| Sub-Total | 1,677,712.11 | 0.00 | 1,677,712.11 |
| Prince Edward Co | | | |
| Prince Edward, County of | 2,381,089.95 | | 2,381,089.95 |
| Sub-Total | 2,381,089.95 | 0.00 | 2,381,089.95 |
| Renfrew | | | |
| Admaston-Bromley Tp | 184,339.98 | | 184,339.98 |
| Bonnechere Valley Tp | 116,990.32 | | 116,990.32 |
| Brudenell, Lyndoc and Raglan Tp | 34,300.04 | | 34,300.04 |
| Deep River Tp/Head, Clara & Maria Tp | 8,024.00 | | 8,024.00 |
| Greater Madawaska Tp | 53,101.96 | | 53,101.96 |
| Horton Tp | 251,348.19 | | 251,348.19 |
| Killaloe, Hagarty and Richards Tp | 29,482.00 | | 29,482.00 |
| Laurentian Hills | 72,477.09 | | 72,477.09 |
| Laurentian Valley Tp | 415,560.66 | | 415,560.66 |
| Madawaska Valley | 75,749.05 | | 75,749.05 |
| McNab-Braeside Tp | 335,444.25 | | 335,444.25 |
| North Algona-Wilberforce Tp | 41,454.57 | | 41,454.57 |
| Petawawa, Town of | 316,269.26 | | 316,269.26 |
| Whitewater Region Tp | 170,859.31 | | 170,859.31 |
| Sub-Total | 2,105,400.68 | 0.00 | 2,105,400.68 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|---|----------------------|--------------------|----------------------|
| <i>Simcoe</i> | | | |
| Adjala-Tosorontio Tp | 445,190.23 | | 445,190.23 |
| Bradford West Gwillimbury, Town of/Collingwood, Town of | 88,400.00 | | 88,400.00 |
| Clearview Tp | 1,600,913.84 | | 1,600,913.84 |
| Essa Tp | 42,699.57 | | 42,699.57 |
| Innisfil, Town of | 71,026.20 | | 71,026.20 |
| Midland, Town of/Penetanguishine, Town of | 318,670.95 | | 318,670.95 |
| New Tecumseth, Town of | 11,958.00 | | 11,958.00 |
| Oro-Medonte Tp | 2,762,908.66 | | 2,762,908.66 |
| Ramara Tp | 2,443,959.38 | | 2,443,959.38 |
| Severn Tp | 2,576,000.81 | | 2,576,000.81 |
| Springwater Tp | 1,418,809.89 | | 1,418,809.89 |
| Tay Tp | 140,919.80 | | 140,919.80 |
| Tiny Tp | 220,669.94 | | 220,669.94 |
| Sub-Total | 12,142,127.27 | 0.00 | 12,142,127.27 |
| <i>Stormont, Dundas & Glengarry</i> | | | |
| North Dundas Tp | 698,348.45 | | 698,348.45 |
| North Glengarry Tp | 70,788.90 | | 70,788.90 |
| North Stormont Tp | 1,078,127.52 | | 1,078,127.52 |
| South Dundas Tp | 368,319.72 | | 368,319.72 |
| South Glengarry Tp | 339,511.73 | | 339,511.73 |
| South Stormont Tp | 675,949.72 | | 675,949.72 |
| Sub-Total | 3,231,046.04 | 0.00 | 3,231,046.04 |
| <i>Sudbury District</i> | | | |
| Baldwin Tp | 96,502.78 | | 96,502.78 |
| French River, Municipality of | 56,057.57 | | 56,057.57 |
| Killarny, Municipality of/Nairn & Hyman Tp | 310,438.00 | | 310,438.00 |
| Markstay-Warren, Municipality of | 70,683.54 | | 70,683.54 |
| Sables Spanish Rivers Tp/Espanola, Town of | 95,010.86 | | 95,010.86 |
| Sudbury District, Unorganized | 464,915.55 | | 464,915.55 |
| Sub-Total | 1,093,608.30 | 0.00 | 1,093,608.30 |
| <i>Thunder Bay District</i> | | | |
| Conmee, Tp | 142,645.83 | | 142,645.83 |
| Neebing, Municipality of | 76,981.00 | | 76,981.00 |
| Oliver Paipoonge, Municipality of | 269,087.40 | | 269,087.40 |
| Shuniah, Tp | 194,273.17 | | 194,273.17 |
| Thunder Bay, City of | 1,297.44 | | 1,297.44 |
| Sub-Total | 684,284.84 | 0.00 | 684,284.84 |
| <i>Waterloo</i> | | | |
| Cambridge, City of/Kitchener, City of | 824,235.97 | | 824,235.97 |
| North Dumfries Tp | 3,738,192.27 | | 3,738,192.27 |
| Wellesley Tp | 1,359,105.14 | | 1,359,105.14 |
| Wilmot Tp | 1,241,285.59 | | 1,241,285.59 |
| Woolwich Tp | 766,034.15 | | 766,034.15 |
| Sub-Total | 7,928,853.12 | 0.00 | 7,928,853.12 |

Table 2

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

(Reported in Metric Tonnes)

| Municipality | Licences | Wayside Permits | Total |
|---------------------------------|-----------------------|----------------------------|-----------------------|
| Wellington | | | |
| Centre Wellington Tp | 1,026,212.12 | | 1,026,212.12 |
| Erin, Town of | 1,633,677.15 | | 1,633,677.15 |
| Guelph-Eramosa Tp | 792,936.36 | | 792,936.36 |
| Mapleton Tp | 52,010.40 | | 52,010.40 |
| Minto, Town of | 369,412.57 | | 369,412.57 |
| Puslinch Tp | 3,864,269.04 | | 3,864,269.04 |
| Wellington North Tp | 274,339.05 | | 274,339.05 |
| Sub-Total | 8,012,856.69 | 0.00 | 8,012,856.69 |
| York | | | |
| East Gwillimbury, Town of | 144,873.31 | | 144,873.31 |
| Georgina, Town of | 33,100.70 | | 33,100.70 |
| Whitchurch-Stouffville, Town of | 876,932.30 | | 876,932.30 |
| Sub-Total | 1,054,906.31 | 0.00 | 1,054,906.31 |
| GRAND TOTAL | 153,804,006.73 | 76,100.00 | 153,880,106.73 |

Table 3

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

| Municipality | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Algoma, District of | 0.8 | 0.8 | 0.6 | 0.8 | 0.6 | 0.8 | 1.9 | 1.2 | 2.8 | 2.9 |
| Brant Co. | 1.5 | 2.1 | 2.0 | 1.8 | 2.1 | 2.0 | 1.8 | 2.3 | 2.3 | 2.2 |
| Bruce Co. | 1.5 | 1.7 | 1.6 | 1.7 | 1.7 | 1.9 | 1.8 | 2.3 | 2.4 | 2.0 |
| Chatham-Kent, R. M. of | 0.5 | 0.5 | 0.3 | 0.5 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 | 0.2 |
| Dufferin Co. | 2.1 | 2.6 | 2.4 | 2.3 | 3.0 | 2.7 | 2.9 | 3.1 | 3.0 | 3.1 |
| Durham, R. M. of | 9.2 | 10.2 | 11.4 | 11.0 | 11.8 | 12.6 | 13.2 | 12.2 | 11.7 | 10.0 |
| Elgin Co. | 0.6 | 0.7 | 0.6 | 0.5 | 0.6 | 0.7 | 0.8 | 0.7 | 0.6 | 0.6 |
| Essex Co. | 1.9 | 2.0 | 2.2 | 1.9 | 1.9 | 1.9 | 1.7 | 1.6 | 1.7 | 1.6 |
| Frontenac Co. | 1.3 | 1.4 | 1.3 | 1.6 | 2.0 | 2.2 | 2.4 | 2.1 | 2.1 | 2.9 |
| Greater Sudbury, City of | 2.9 | 2.3 | 1.8 | 2.3 | 1.7 | 2.2 | 2.8 | 2.9 | 2.7 | 3.2 |
| Grey Co. | 2.8 | 2.5 | 2.6 | 2.6 | 3.1 | 3.2 | 3.7 | 3.4 | 3.2 | 3.3 |
| Haldimand Co. | ---- | ---- | 1.5 | 1.9 | 1.8 | 1.6 | 2.0 | 1.8 | 1.4 | 1.3 |
| Haldimand-Norfolk, R. M. of | 2.0 | 2.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Haliburton Co. | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 0.5 | 0.6 |
| Halton, R. M. of | 13.8 | 15.5 | 15.8 | 12.1 | 10.7 | 11.4 | 10.9 | 9.6 | 9.5 | 8.5 |
| Hamilton, City of | 4.6 | 6.3 | 6.0 | 5.5 | 6.0 | 6.3 | 5.6 | 6.2 | 5.6 | 5.7 |
| Hastings Co. | 2.2 | 2.0 | 2.0 | 2.1 | 2.4 | 2.3 | 2.1 | 2.3 | 2.6 | 3.0 |
| Huron Co. | 2.8 | 2.7 | 3.0 | 2.7 | 2.8 | 2.5 | 2.6 | 2.7 | 2.9 | 2.9 |
| Kawartha Lakes, City of | ---- | ---- | 6.4 | 6.4 | 6.7 | 6.8 | 6.8 | 6.5 | 5.9 | 5.5 |
| Lambton Co. | 0.6 | 0.5 | 0.5 | 0.7 | 0.4 | 0.5 | 0.7 | 0.7 | 0.5 | 0.6 |
| Lanark Co. | 1.5 | 1.6 | 1.7 | 2.0 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 1.9 |
| Leeds & Grenville Co.'s | 2.2 | 3.0 | 2.3 | 2.0 | 1.9 | 2.2 | 2.3 | 2.3 | 2.0 | 2.3 |
| Lennox & Addington Co. | 1.7 | 1.8 | 1.8 | 1.7 | 1.9 | 1.8 | 1.9 | 1.9 | 2.0 | 2.0 |
| Manitoulin, District of | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 3.6 | 3.9 |
| Middlesex Co. | 5.6 | 6.4 | 6.0 | 5.4 | 5.6 | 6.2 | 6.2 | 5.6 | 5.2 | 4.8 |
| Muskoka | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2.1 | 2.1 |
| Niagara, R. M. of | 4.3 | 4.6 | 4.6 | 4.9 | 4.6 | 4.7 | 4.5 | 5.1 | 4.0 | 4.0 |
| Nipissing, District of | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.3 | 1.2 |
| Norfolk Co. | ---- | ---- | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 |
| Northumberland Co. | 3.6 | 3.2 | 3.1 | 3.0 | 3.4 | 3.3 | 3.5 | 3.4 | 3.4 | 3.0 |
| Ottawa, City of | 8.1 | 10.7 | 10.1 | 10.7 | 10.0 | 9.9 | 10.6 | 11.1 | 11.4 | 11.2 |
| Oxford Co. | 5.1 | 5.4 | 4.9 | 4.8 | 4.9 | 4.8 | 5.0 | 5.4 | 7.1 | 5.8 |
| Parry Sound, District of | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.5 | 1.8 |
| Peel, R. M. of | 4.5 | 5.2 | 5.2 | 4.3 | 4.5 | 5.3 | 5.1 | 5.3 | 4.7 | 3.8 |
| Perth Co. | 1.6 | 2.1 | 2.0 | 2.1 | 2.0 | 2.0 | 2.0 | 2.4 | 2.1 | 1.9 |
| Peterborough Co. | 1.8 | 2.2 | 2.4 | 3.2 | 2.5 | 2.5 | 2.7 | 2.6 | 2.9 | 3.2 |
| Prescott & Russell Co.'s | 1.2 | 1.4 | 1.4 | 1.3 | 1.4 | 1.4 | 1.7 | 1.5 | 1.4 | 1.7 |
| Prince Edward Co. | 2.0 | 2.1 | 2.0 | 2.1 | 2.2 | 2.2 | 2.4 | 2.2 | 2.4 | 2.4 |
| Renfrew Co. | 1.5 | 1.5 | 1.2 | 1.8 | 1.6 | 1.7 | 1.3 | 1.9 | 2.3 | 2.1 |
| Simcoe Co. | 9.0 | 9.3 | 10.6 | 11.4 | 11.8 | 12.7 | 12.6 | 13.4 | 12.0 | 12.1 |
| Stormont, Dundas & Glengarry Co.'s | 2.8 | 3.0 | 2.7 | 2.6 | 2.7 | 3.5 | 3.0 | 3.4 | 2.8 | 3.2 |
| Sudbury, District of | 0.4 | 0.5 | 1.0 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 | 1.7 | 1.1 |
| Thunder Bay, District of | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 0.3 | 0.7 |
| Victoria Co. | 6.0 | 7.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Waterloo, R. M. of | 7.3 | 7.7 | 8.2 | 7.8 | 8.0 | 9.5 | 8.2 | 9.3 | 8.2 | 7.9 |
| Wellington Co. | 7.5 | 8.4 | 8.9 | 8.9 | 9.1 | 9.1 | 8.3 | 8.8 | 9.0 | 8.0 |
| York, R. M. of | 2.7 | 3.0 | 2.4 | 2.4 | 2.0 | 1.9 | 1.0 | 1.0 | 0.7 | 1.1 |
| TOTAL | 131.5 | 146.0 | 144.9 | 141.8 | 143.2 | 149.8 | 149.8 | 151.9 | 158.8 | 153.8 |

Note: As of January 1, 2001 Victoria County is now known as The City of Kawartha Lakes.

As of January 1, 2001 Haldimand-Norfolk has been split into two different counties; Haldimand County and Norfolk County.

Totals may not equal due to rounding.

Table 4

**LICENCE PRODUCTION IN 2008
THE TOP TEN PRODUCING MUNICIPALITIES
(Rounded to nearest million tonnes)**

| Municipality(1) | County/Region | 2008 Production | Production(2) | | | | |
|----------------------------------|------------------------|--------------------|---------------|-------------|-------------|-------------|-------------|
| | | | 2007 | 2006 | 2005 | 2004 | 2003 |
| 1 City of Ottawa | City of Ottawa | 11.2 | 11.0 | 11.1 | 10.6 | 9.9 | 10.0 |
| 2 City of Hamilton | City of Hamilton | 5.7 | 5.6 | 6.2 | 5.6 | 6.3 | 5.9 |
| 3 City of Kawartha Lakes | City of Kawartha Lakes | 5.5 | 5.9 | 6.5 | 6.8 | 6.8 | 6.7 |
| 4 Municipality of Clarington | Durham | 4.6 | 5.2 | 5.0 | 5.8 | 5.3 | 5.6 |
| 5 Town of Milton | Halton | 4.5 | 4.4 | 4.6 | 5.0 | 5.6 | 5.2 |
| 6 Puslinch Township | Wellington County | 3.9 | 4.2 | 4.7 | 5.0 | 5.2 | 5.1 |
| 7 Town of Caledon | Peel | 3.8 | 4.7 | 5.3 | 5.1 | 5.3 | 4.5 |
| 8 Township of North Dumfries | Waterloo | 3.7 | 4.2 | 5.0 | 4.1 | 4.4 | 3.9 |
| 9 Township of Uxbridge | Durham | 3.7 | 4.6 | 5.4 | 5.3 | 5.5 | 4.9 |
| 10 Unorganized - Manitoulin D(3) | Manitoulin | 3.7 | 3.5 | - | - | - | - |
| Total | | 50.3 | 53.3 | 53.8 | 53.3 | 54.3 | 51.8 |

Notes:

1. Municipalities are ranked in order of their licenced production for 2008.
2. Historical data are for current year's Top Ten Producing Municipalities.
3. Unorganized - Manitoulin D only designated effective Jan. 1, 2007.
4. Pre 2008 historical data for Table 4 has been corrected effective February 24, 2011.
This PDF version of Table 4 should be relied upon over previously printed versions.

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) | 150 | 128 | 22 | 134 | 16 | 0 | 0 |
| Aylmer | 311 | 243 | 68 | 295 | 10 | 6 | 0 |
| Bancroft | 268 | 99 | 169 | 193 | 32 | 43 | 0 |
| Guelph (Cambridge) | 445 | 374 | 71 | 407 | 35 | 3 | 0 |
| Kemptville | 485 | 280 | 205 | 340 | 122 | 23 | 0 |
| Midhurst | 464 | 348 | 116 | 410 | 49 | 5 | 0 |
| North Bay | 155 | 60 | 95 | 126 | 5 | 24 | 0 |
| Parry Sound | 308 | 120 | 188 | 199 | 11 | 98 | 0 |
| Pembroke | 244 | 75 | 169 | 223 | 11 | 10 | 0 |
| Peterborough (Tweed) | 536 | 290 | 246 | 435 | 84 | 17 | 0 |
| Sault Ste. Marie | 95 | 53 | 42 | 78 | 5 | 12 | 0 |
| Sudbury | 241 | 126 | 115 | 173 | 19 | 49 | 0 |
| Thunder Bay | 60 | 24 | 36 | 50 | 3 | 7 | 0 |
| TOTAL | 3,762 | 2,220 | 1,542 | 3,063 | 402 | 297 | 0 |

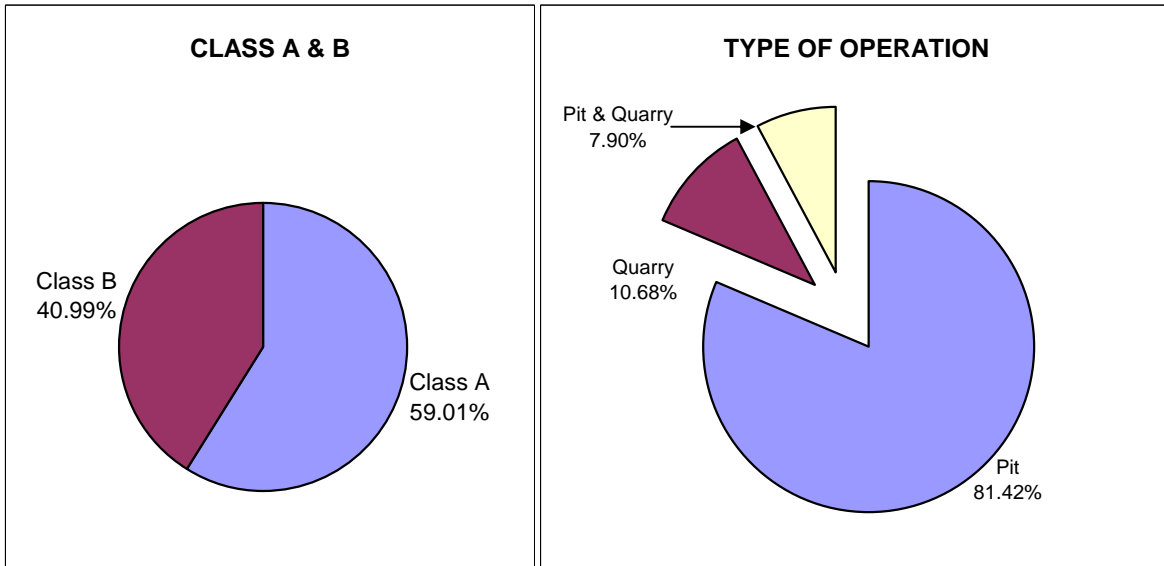
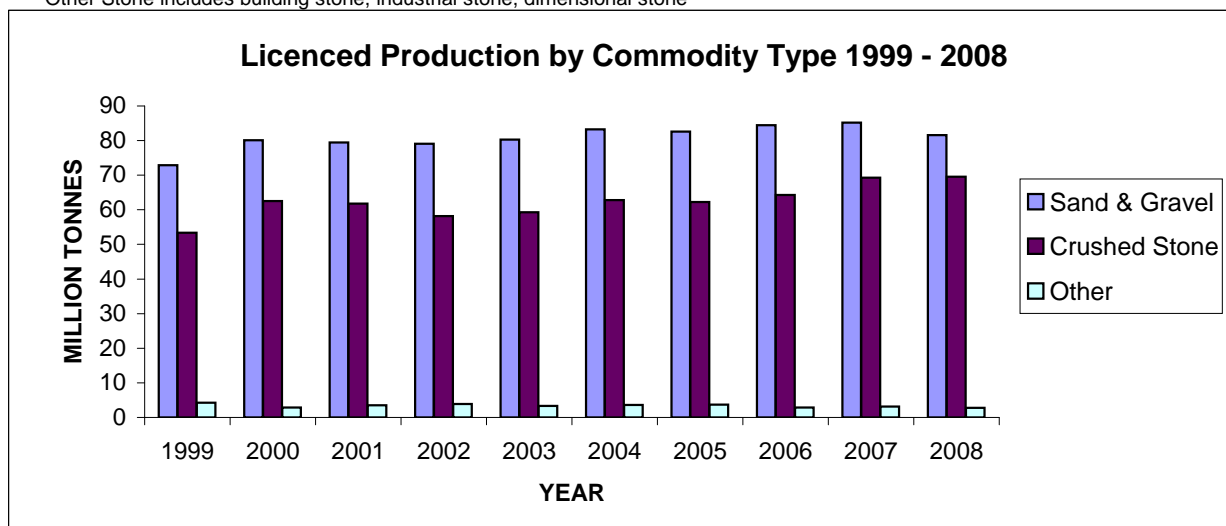


Table 6

**2008 LICENCED AGGREGATE PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

| District | Total | Sand & Gravel | Crushed Stone | Clay/ Shale | Other Stone |
|--------------------|-----------------------|----------------------|----------------------|---------------------|---------------------|
| Aurora (GTA) | 23,344,345.86 | 12,554,715.20 | 9,819,731.01 | 877,282.50 | 92,617.15 |
| Aylmer | 14,193,724.46 | 10,583,755.98 | 3,603,738.12 | 6,230.36 | 0.00 |
| Bancroft | 4,207,301.77 | 960,432.83 | 3,117,705.61 | 272.34 | 128,890.99 |
| Guelph (Cambridge) | 33,805,213.87 | 22,106,190.65 | 11,603,880.18 | 95,143.04 | 0.00 |
| Kemptville | 20,139,179.27 | 4,234,949.46 | 14,810,874.03 | 120,167.45 | 973,188.33 |
| Midhurst | 20,483,002.20 | 13,019,272.25 | 7,165,249.69 | 46,969.15 | 251,511.11 |
| North Bay | 1,391,939.40 | 862,263.80 | 523,256.48 | 0.00 | 6,419.12 |
| Parry Sound | 3,727,505.75 | 1,813,078.39 | 1,828,929.97 | 63,525.09 | 21,972.30 |
| Pembroke | 2,340,268.68 | 1,912,312.97 | 424,428.71 | 0.00 | 3,527.00 |
| Peterborough | 18,398,855.08 | 7,562,739.73 | 10,794,952.02 | 19,624.87 | 21,538.46 |
| Sault Ste. Marie | 2,862,484.96 | 1,705,856.29 | 1,155,997.82 | 0.00 | 630.85 |
| Sudbury | 8,225,900.59 | 3,550,347.39 | 4,666,433.96 | 1,420.97 | 7,698.27 |
| Thunder Bay | 684,284.84 | 681,918.84 | 2,336.00 | 0.00 | 30.00 |
| TOTAL | 153,804,006.73 | 81,547,833.78 | 69,517,513.60 | 1,230,635.77 | 1,508,023.58 |

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 |
|------|--------|---------------|---------------|-------|
| 1999 | 130.53 | 72.87 | 53.40 | 4.26 |
| 2000 | 145.49 | 80.07 | 62.57 | 2.85 |
| 2001 | 144.76 | 79.46 | 61.76 | 3.54 |
| 2002 | 141.17 | 79.09 | 58.19 | 3.89 |
| 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 |

Table 7

**2008 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by MNR District)**

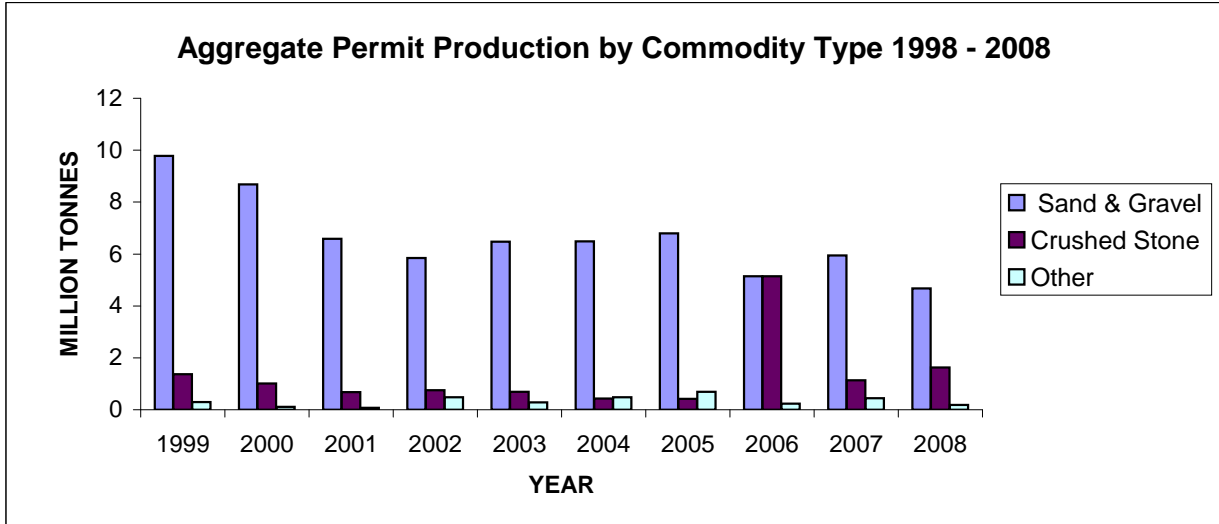
| Region/District | Total Production | Sand & Gravel | Crushed Stone | Clay/Shale | Other Stone |
|----------------------|---------------------|---------------------|---------------------|------------------|-------------------|
| NORTHEAST | | | | | |
| Chapleau | 132,731.80 | 132,731.80 | - | - | - |
| Cochrane | 97,624.21 | 87,060.21 | 10,564.00 | - | - |
| Hearst | 255,762.64 | 227,281.64 | 28,126.00 | 355.00 | - |
| Kirkland Lake | 274,857.59 | 237,771.84 | 37,085.75 | - | - |
| North Bay | 385,817.69 | 364,967.27 | 19,733.73 | - | 1,116.69 |
| Sault Ste. Marie | 328,681.40 | 328,681.40 | - | - | - |
| Sudbury | 907,986.77 | 335,282.76 | 564,381.77 | 209.44 | 8,112.80 |
| Timmins | 417,684.89 | 368,593.87 | 1,333.42 | 24,296.11 | 23,461.49 |
| Wawa | 225,879.14 | 198,050.04 | 2,446.30 | 25,382.80 | - |
| Sub-Total | 3,027,026.13 | 2,280,420.83 | 663,670.97 | 50,243.35 | 32,690.98 |
| NORTHWEST | | | | | |
| Dryden | 614,347.38 | 365,465.38 | 248,327.00 | - | 555.00 |
| Fort Frances | 277,356.10 | 268,548.10 | - | 7,886.00 | 922.00 |
| Kenora | 393,142.53 | 351,418.94 | 27,029.00 | - | 14,694.59 |
| Nipigon | 338,235.95 | 310,648.19 | 25,046.76 | - | 2,541.00 |
| Red Lake | 134,694.26 | 134,677.94 | - | - | 16.32 |
| Sioux Lookout | 209,779.56 | 209,005.80 | - | - | 773.76 |
| Thunder Bay | 439,177.86 | 410,061.86 | 29,109.00 | - | 7.00 |
| Sub-Total | 2,406,733.64 | 2,049,826.21 | 329,511.76 | 7,886.00 | 19,509.67 |
| SOUTHCENTRAL | | | | | |
| Algonquin Park | - | - | - | - | - |
| Aurora (GTA) | - | - | - | - | - |
| Aylmer | 2,422.98 | 2,422.98 | - | - | - |
| Bancroft | 204,149.16 | 96,226.20 | 40,971.89 | - | 66,951.07 |
| Guelph (Cambridge) | - | - | - | - | - |
| Kemptville | 1,346.40 | 1,346.40 | - | - | - |
| Midhurst | 145,652.00 | 145,652.00 | - | - | - |
| Parry Sound | 593,819.58 | 27,273.23 | 564,909.55 | - | 1,636.80 |
| Pembroke | 72,077.05 | 72,077.05 | - | - | - |
| Peterborough (Tweed) | 34,460.09 | - | 34,460.09 | - | - |
| Sub-Total | 1,053,927.26 | 344,997.86 | 640,341.53 | 0.00 | 68,587.87 |
| TOTAL | 6,487,687.03 | 4,675,244.90 | 1,633,524.26 | 58,129.35 | 120,788.52 |

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

Other Stone includes building stone, industrial stone, dimensional stone

Table 8

**2008 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported By Year)**



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

| | Total | Sand & Gravel | Crushed Stone | Other |
|------|-------|---------------|---------------|-------|
| 1999 | 11.44 | 9.78 | 1.37 | 0.29 |
| 2000 | 9.80 | 8.68 | 1.01 | 0.11 |
| 2001 | 7.35 | 6.59 | 0.68 | 0.08 |
| 2002 | 7.08 | 5.85 | 0.75 | 0.48 |
| 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 |

Table 9

**2008 AGGREGATE PERMIT PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

| Area | Total | Sand & Gravel | Crushed Stone | Clay/ Shale | Other Stone |
|------------------|------------------|------------------------------|--------------------------|------------------------|------------------------|
| Southwest (1) | 2,423 | 2,423 | 0 | 0 | 0 |
| Peninsula (2) | 0 | 0 | 0 | 0 | 0 |
| West Central (3) | 145,652 | 145,652 | 0 | 0 | 0 |
| GTA (4) | 0 | 0 | 0 | 0 | 0 |
| East Central (5) | 196,373 | 52,354 | 75,432 | 0 | 68,588 |
| East (6) | 74,328 | 74,328 | 0 | 0 | 0 |
| Northeast (7) | 3,106,985 | 1,813,943 | 1,238,917 | 24,861 | 29,264 |
| Northwest (8) | 2,961,925 | 2,586,545 | 319,175 | 33,269 | 22,936 |
| TOTAL | 6,487,687 | 4,675,245 | 1,633,524 | 58,129 | 120,789 |

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

**2008 AGGREGATE LICENCE PRODUCTION
BY COMMODITY TYPE
(Reported by CAC* Geographic Areas)**

| Area | Total | Sand & Gravel | Crushed Stone | Clay/ Shale | Other Stone |
|------------------|--------------------|------------------------------|--------------------------|------------------------|------------------------|
| Southwest (1) | 18,424,884 | 14,287,800 | 4,130,255 | 6,829 | 0 |
| Peninsula (2) | 13,596,950 | 2,936,147 | 10,578,018 | 82,786 | 0 |
| West Central (3) | 36,460,106 | 28,485,272 | 7,664,595 | 58,728 | 251,511 |
| GTA (4) | 23,349,846 | 12,560,215 | 9,819,731 | 877,283 | 92,617 |
| East Central (5) | 19,879,868 | 8,736,123 | 10,979,369 | 3,027 | 161,349 |
| East (6) | 27,329,988 | 6,931,613 | 19,274,358 | 139,792 | 984,225 |
| Northeast (7) | 11,162,959 | 5,222,889 | 5,860,218 | 62,191 | 17,661 |
| Northwest (8) | 3,599,406 | 2,387,775 | 1,210,970 | 0 | 661 |
| TOTAL | 153,804,007 | 81,547,834 | 69,517,514 | 1,230,636 | 1,508,024 |

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 2008
(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) | 150 | 8,420.63 | 3,029.17 | 64.91 | 93.24 | 3,000.84 |
| Aylmer | 311 | 8,429.11 | 2,922.52 | 68.85 | 109.56 | 2,881.81 |
| Bancroft | 268 | 9,070.88 | 1,003.96 | 72.93 | 7.02 | 1,069.87 |
| Guelph (Cambridge) | 445 | 15,981.50 | 4,624.13 | 148.75 | 129.67 | 4,643.20 |
| Kemptville | 485 | 14,083.02 | 4,112.09 | 148.72 | 114.67 | 4,146.15 |
| Midhurst | 464 | 14,474.99 | 3,543.38 | 120.94 | 97.53 | 3,566.80 |
| North Bay | 155 | 6,981.72 | 862.60 | 22.88 | 7.21 | 878.27 |
| Parry Sound | 308 | 9,804.63 | 1,853.66 | 41.60 | 16.25 | 1,879.01 |
| Pembroke | 244 | 5,966.91 | 714.32 | 35.81 | 6.50 | 743.63 |
| Peterborough (Tweed) | 536 | 15,147.56 | 3,624.66 | 100.28 | 42.02 | 3,682.92 |
| Sault Ste. Marie | 95 | 4,037.21 | 654.12 | 21.30 | 3.08 | 672.34 |
| Sudbury | 241 | 16,765.05 | 1,406.86 | 88.67 | 20.93 | 1,474.60 |
| Thunder Bay | 60 | 3,571.09 | 141.71 | 13.38 | 12.20 | 142.89 |
| TOTAL | 3,762 | 132,734.30 | 28,493.19 | 949.02 | 659.88 | 28,782.33 |

Note: Areas reported in hectares

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

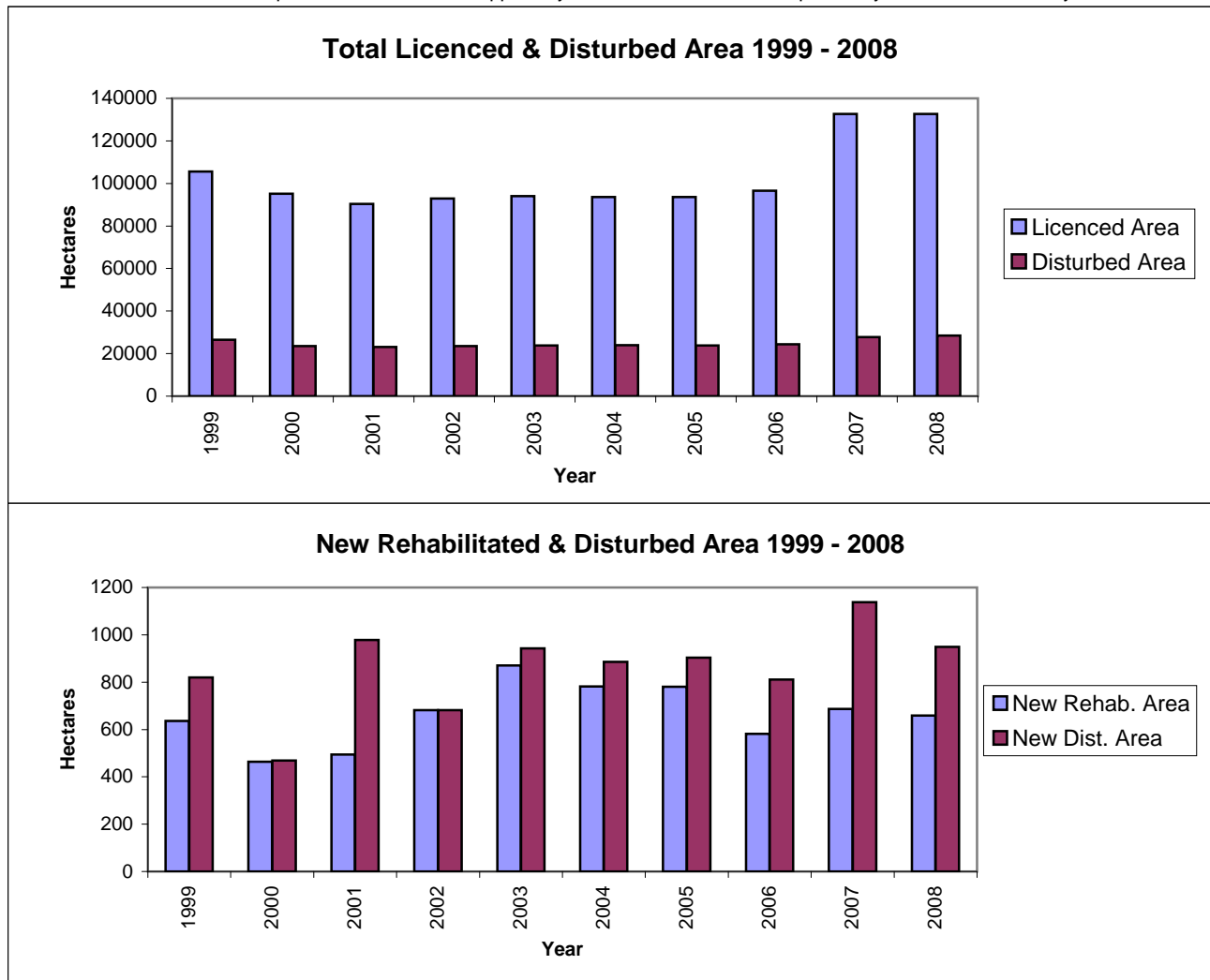


Table 11

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

| Region/District | Total Hectarage | Total No. of Permits | Pit | Quarry | Pit & Quarry | Underwater |
|----------------------|------------------|----------------------|--------------|------------|--------------|------------|
| NORTHEAST | | | | | | |
| Chapleau | 1,177.48 | 196 | 195 | 1 | 0 | 0 |
| Cochrane | 2,653.78 | 126 | 111 | 9 | 6 | 0 |
| Hearst | 3,740.49 | 182 | 160 | 18 | 4 | 0 |
| Kirkland Lake | 1,888.22 | 159 | 151 | 6 | 2 | 0 |
| North Bay | 2,471.29 | 195 | 169 | 20 | 6 | 0 |
| Sault Ste. Marie | 947.74 | 110 | 106 | 2 | 2 | 0 |
| Sudbury | 4,646.90 | 179 | 148 | 20 | 11 | 0 |
| Timmins | 2,115.68 | 174 | 162 | 9 | 3 | 0 |
| Wawa | 2,636.89 | 268 | 262 | 4 | 2 | 0 |
| Sub-Total | 22,278.47 | 1,589 | 1,464 | 89 | 36 | 0 |
| NORTHWEST | | | | | | |
| Dryden | 2,318.31 | 227 | 211 | 8 | 8 | 0 |
| Fort Frances | 2,323.15 | 239 | 222 | 5 | 12 | 0 |
| Kenora | 2,973.29 | 210 | 169 | 27 | 14 | 0 |
| Nipigon | 3,755.38 | 317 | 288 | 17 | 12 | 0 |
| Red Lake | 1,436.10 | 123 | 120 | 3 | 0 | 0 |
| Sioux Lookout | 1,541.45 | 89 | 86 | 2 | 1 | 0 |
| Thunder Bay | 3,241.58 | 199 | 174 | 18 | 7 | 0 |
| Sub-Total | 17,589.26 | 1,404 | 1,270 | 80 | 54 | 0 |
| SOUTHCENTRAL | | | | | | |
| Algonquin Park | 0.00 | 0 | 0 | 0 | 0 | 0 |
| Aurora (GTA) | 0.00 | 0 | 0 | 0 | 0 | 0 |
| Aylmer | 0.10 | 1 | 0 | 0 | 0 | 1 |
| Bancroft | 962.31 | 72 | 59 | 13 | 0 | 0 |
| Guelph (Cambridge) | 0.00 | 1 | 0 | 0 | 0 | 1 |
| Kemptville | 2.00 | 1 | 1 | 0 | 0 | 0 |
| Midhurst | 10.50 | 1 | 1 | 0 | 0 | 0 |
| Parry Sound | 832.93 | 89 | 69 | 14 | 6 | 0 |
| Pembroke | 128.98 | 39 | 39 | 0 | 0 | 0 |
| Peterborough (Tweed) | 31.40 | 2 | 0 | 1 | 1 | 0 |
| Sub-Total | 1,968.22 | 206 | 169 | 28 | 7 | 2 |
| TOTAL | 41,835.95 | 3,199 | 2,903 | 197 | 97 | 2 |

APPENDIX A

GLOSSARY OF TERMS

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

Active Licence

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

Aggregate

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

Aggregate Permit

A permit for a pit or quarry issued under the Aggregate Resources Act allowing for the excavation of aggregate that is the property of the Crown, on land where the surface rights are the property of the Crown, or from land under water. There are three types of aggregate permits, they are commercial, public authority and personal.

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 25 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, Orlig, 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.

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 | | |



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Compiled by MHBC Planning with the cooperation and assistance of the Ministry of Natural Resources Aggregate Resources Program staff & TOARC (January 2010)