

## Industrial Mineral Mineralization, Exploration and Mining in Ontario

Ontario leads Canada in the production of industrial minerals. The total value of non-metallic minerals produced in 2010 was \$2.5 billion – representing 40% of the total value of mineral production in Ontario. The province leads Canada in the production of salt, talc, calcium carbonate, phosphate, clay products, cement, lime, stone, sand and gravel and is a major producer of nepheline, gypsum, and silica. Sulphur, serpentine, vermiculite, carbonatite and gemstones are also produced.

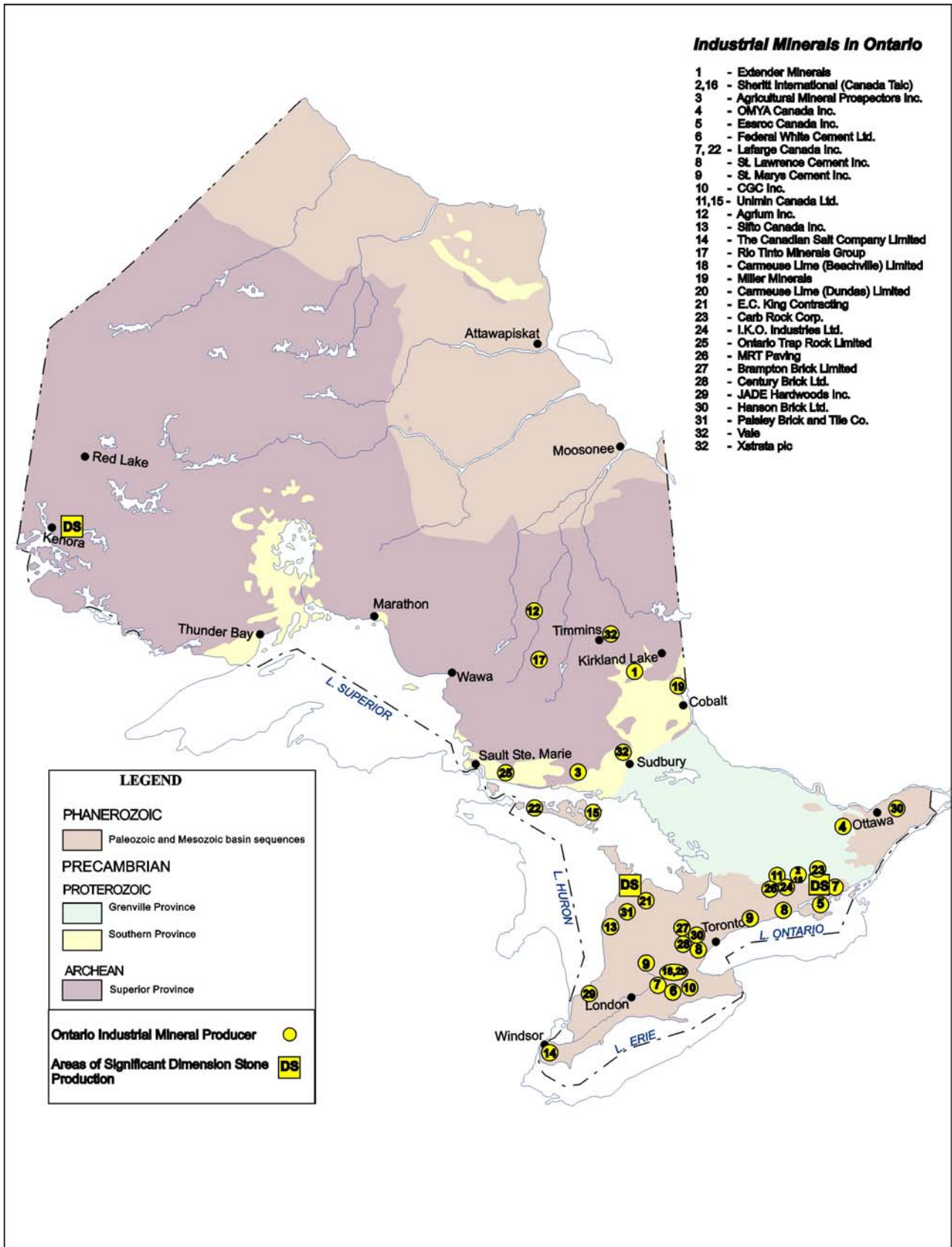
In 2010, Sifto Canada continued a \$70 Million expansion program of the Goderich Mine. Sifto is currently growing production at the mine and will expand its capacity to nine million tonnes a year by 2012. The Mine is the largest underground salt mine in the world. It has been in production for 50+ years and has defined resources for another 100+ years of production.

Current exploration and development projects focus on calcium carbonate, diamonds, dimension stone, feldspar, garnet, gemstones, graphite, limestone / dolostone, magnesite-talc, mica, petalite, phosphate, serpentine, trap rock, vermiculite, anorthosite and wollastonite.

No.	Commodity Produced	Total \$ Production 2010	Ontario Producers
1	Barite	Confidential	Extender Minerals of Canada Ltd.
2	Carbonatite	Confidential	Agricultural Mineral Prospectors Inc.
3	Calcium Carbonate	Included in "Stone"	OMYA Canada Inc.
4	Cement	\$521,816, 269	Essroc Canada Inc.
5			Federal White Cement Limited
6			Lafarge Canada Inc.
7			St. Lawrence Cement Inc.
8			St. Marys Cement Inc.
9	Gypsum	Confidential	CGC Inc.
10	Nepheline Syenite	\$53,353,779	Unimin Canada Ltd.
11	Phosphate	Confidential	Agrium Inc.
12	Salt	\$338,819,727	Sifto Canada Inc.
13			The Canadian Salt Company Limited
14	Silica	\$8,354,942	Unimin Canada Ltd.
15	Talc	Confidential	Sherritt International (Canada Talc)
16			Rio Tinto Minerals
17	Lime	\$83,021,248	Carmeuse Lime (Beachville) Limited
18			Miller Minerals
19	Dolomitic Lime	Included in "Stone"	Carmeuse Lime (Dundas) Limited
20			E.C. King Contracting
21			Lafarge Canada Inc.
22	Trap Rock	Included in "Stone"	I.K.O. Industries Ltd.
23			Ontario Trap Rock Ltd.
24			MRT
25	Clay	\$97,402,707	Brampton Brick Limited
26			Century Brick Ltd.
27			Jade Hardwoods Inc.
28			Hanson Brick Ltd.
29			Paisley Brick and Tile Co.
30	Sulphur (from smelter gas)	\$32,327,049	Vale, Xstrata plc
31	Vermiculite	Production ceased	Vermiculite Canada
32	Sand and gravel	\$443,153,506	Numerous producers
33	Stone	\$578,210,229	Numerous producers

## Industrial Minerals in Ontario

- 1 - Exender Minerals
- 2,16 - Sheritt International (Canada Tailc)
- 3 - Agricultural Mineral Prospectors Inc.
- 4 - ONYA Canada Inc.
- 5 - Esseroc Canada Inc.
- 6 - Federal White Cement Ltd.
- 7, 22 - Lafarge Canada Inc.
- 8 - St. Lawrence Cement Inc.
- 9 - St. Marys Cement Inc.
- 10 - CGC Inc.
- 11,15 - Unimin Canada Ltd.
- 12 - Agrim Inc.
- 13 - Sifto Canada Inc.
- 14 - The Canadian Salt Company Limited
- 17 - Rio Tinto Minerals Group
- 18 - Cameuse Lime (Beachville) Limited
- 19 - Miller Minerals
- 20 - Cameuse Lime (Dundas) Limited
- 21 - E.C. King Contracting
- 23 - Carb Rock Corp.
- 24 - I.K.O. Industries Ltd.
- 25 - Ontario Trap Rock Limited
- 26 - MRT Paving
- 27 - Brampton Brick Limited
- 28 - Century Brick Ltd.
- 29 - JADE Hardwoods Inc.
- 30 - Hanson Brick Ltd.
- 31 - Paisley Brick and Tile Co.
- 32 - Vale
- 32 - Xstrata plc



**LEGEND**

**PHANEROZOIC**  
 Paleozoic and Mesozoic basin sequences

**PRECAMBRIAN**

**PROTEROZOIC**  
 Grenville Province  
 Southern Province

**ARCHEAN**  
 Superior Province

**Ontario Industrial Mineral Producer** ●

**Areas of Significant Dimension Stone Production** DS