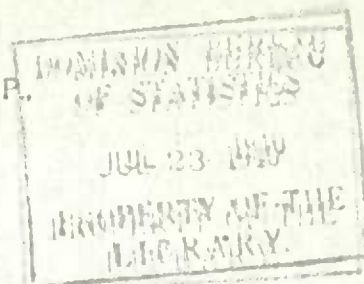


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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**MINING, METALLURGICAL & CHEMICAL BRANCH**

---

**THE SALT INDUSTRY**  
**IN**  
**CANADA**  
**1939**

---



**OTTAWA**  
**1940**

Price 25 cents



DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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SALT, 1939.

Commercial production of common salt or sodium chloride in Canada during 1939 totalled 424,500 short tons valued at \$2,486,632 compared with 440,045 short tons at \$1,912,913 in 1938. In 1939 salt was produced in Nova Scotia, Ontario, Manitoba and Alberta and of the total Canadian output in 1939 Ontario contributed 370,843 short tons or 87 per cent. Statistics of Canadian salt production represent the recovery of the mineral from brine wells with the exception of Nova Scotia where the output comes entirely from the underground mining of rock salt deposits.

Of the total salt used or sold in 1939 there were 187,958 short tons or 44 per cent consumed directly by the producers themselves in the manufacture of caustic soda and other chemicals. Table and dairy grades sold were recorded at 70,390 short tons, 8,156 tons were reported as sold as highway salt while the balance of production totalling 157,996 short tons included common fine, common coarse and various other grades.

The number of Canadian firms reporting primary salt production in 1939 totalled 9; capital employed by the industry amounted to \$4,447,204 of which \$3,085,024 represented the value of buildings, machinery, etc., and \$274,326 the value of land. Employees numbered 547, including 65 female workers. Salaries and wages totalled 741,736; \$276,267 were expended for fuel and electricity and \$37,161 for chemicals and other process supplies.

Imports of salt into Canada during 1939 totalled 117,629 short tons valued at \$507,368 compared with 108,131 short tons at \$453,765 in 1938. Included in the 1939 imports were 34,648 short tons for the use of sea and gulf fisheries. Exports of Canadian salt during 1939 totalled 10,656 short tons appraised at \$76,287. The total "apparent" consumption of salt in Canada in 1939, for all purposes, and in all forms was estimated at 531,473 short tons valued at \$2,917,713 compared with 536,332 short tons worth \$2,298,385 in 1938.

Statistics relating to Canadian salt production are available only since 1886 and Canadian salt production since that year to the end of 1939 totalled 8,413,987 short tons valued at \$48,050,840.

In a review of the Canadian salt industry in 1939 L.H. Cole, of the Bureau of Mines, Ottawa states in part: - "In Nova Scotia, the Malagash Salt Company continued underground development by diamond drilling, cross cutting, and drifting. Definite zones in which indications of Potash salts occur have been correlated from the second level to the twenty-sixth level and there seems to be an increase in the potash content with depth. The study of these zones is being continued.





"Further drilling by New Brunswick Gas and Oilfields Limited, near Weldon, New Brunswick, extended the area known to be underlain by glauberite-salt strata, so that to date a deposit of salt is already indicated more than  $1\frac{1}{2}$  miles wide and 4 or more miles long; the greatest thickness so far encountered being 1,500 feet. There are many millions of tons of salt in this basin, available for future development.

"Soil stabilization with salt and clay for the foundations of highways, and for a surface veneer for gravel roads is now firmly established, and this use of salt showed a decided increase during the year. The development of soil stabilized bases for runways at Canadian airports continued and several new airfields were so prepared.

"The eastern half of Canada is well supplied with deposits of salt, and already two plants are in operation west of Winnipeg."

TABLE 1 - PRODUCTION OF SALT IN CANADA, BY GRADES, 1938 and 1939

	1938			1939		
	Manu- factured	Sold	Value of salt sold (Not includ- ing con- tainers)	Manu- factured	Sold	Value of salt sold (Not includ- ing con- tainers)
	Tons	Tons	\$	Tons	Tons	\$
Table dairy and pressed blocks .....	83,323	85,422	876,204	68,629	70,390	1,223,453
Common, fine .....	101,949	104,174	418,810	85,921	84,106	503,589
Common, coarse .....	32,446	30,613	253,384	27,733	28,704	286,179
Highway salt .....	5,778	10,174	34,689	8,156	8,156	40,501
Land salt .....	88	71	397	288	268	1,697
Other grades .....	44,214	38,653	158,491	46,313	44,918	185,274
Brine for chemical works (Salt equivalent sold or used) .....	170,938	170,938	170,938	187,958	187,958	245,959
<b>TOTAL .....</b>	<b>438,736</b>	<b>440,045</b>	<b>1,912,913</b>	<b>424,998</b>	<b>424,500</b>	<b>2,486,632</b>
Value of containers .....	-	-	576,806	-	-	471,350
<b>GRAND TOTAL .....</b>	<b>438,736</b>	<b>440,045</b>	<b>2,489,719</b>	<b>424,998</b>	<b>424,500</b>	<b>2,957,982</b>



TABLE 2. - PRODUCTION OF SALT BY PROVINCES (x), 1930 - 1939.

Year	NOVA SCOTIA		ONTARIO		MANITOBA		ALBERTA	
	Tons	\$	Tons	\$	Tons	\$	Tons	\$
1930 .....	23,058	136,226	248,637	1,558,405	...	...	...	...
1931 .....	27,718	143,761	231,329	1,760,388	...	...	...	...
1932 .....	31,897	150,708	231,138	1,789,751	508	7,092	...	...
1933 .....	34,278	161,889	244,107	1,755,087	1,499	18,388	...	...
1934 .....	42,886	181,917	278,751	1,734,196	1,664	20,137	...	...
1935 .....	38,701	161,659	320,003	1,698,508	1,532	18,765	...	...
1936 .....	38,774	183,915	350,044	1,557,078	2,498	32,151	...	...
1937 .....	47,865	216,401	407,701	1,539,599	3,391	43,465	...	...
1938 .....	44,950	194,759	388,130	1,837,140	2,920	34,979	4,045	46,035
1939 .....	47,885	213,029	370,843	2,200,189	2,453	35,888	3,319	37,526

(x) In addition Saskatchewan produced 231 tons valued at \$4,510 in 1933, 452 tons at \$8,703 in 1934 and 101 tons at \$2,046 in 1935.

TABLE 3. - TOTAL PRODUCTION OF SALT IN CANADA FOR YEARS SPECIFIED, 1886 - 1939.

Year	Tons	\$	Year	Tons	\$
1886 .....	62,359	227,195	1921 .....	164,658	1,673,685
1890 .....	43,754	198,857	1929 .....	330,264	1,578,086
1895 .....	52,376	160,455	1930 .....	271,695	1,694,631
1900 .....	62,055	279,458	1931 .....	259,047	1,904,149
1913 .....	100,791	491,280	1932 .....	263,543	1,947,551
1914 .....	107,038	493,648	1933 .....	280,115	1,939,874
1915 .....	119,900	600,223	1934 .....	321,753	1,954,853
1916 .....	132,903	717,653	1935 .....	380,343	1,880,978
1917 .....	138,909	1,047,792	1936 .....	391,316	1,773,144
1918 .....	131,727	1,285,039	1937 .....	458,857	1,799,465
1919 .....	148,301	1,387,929	1938 .....	440,045	1,912,918
1920 .....	209,855	1,544,724	1939 .....	424,500	2,466,632

In 1914 the average number of men employed by the Canadian salt industry was 253 and the amount of wages paid amounted to \$178,277; in 1918 men employed totalled 302 and wages paid aggregated \$286,781. Caustic soda and chloride of lime were manufactured for brine throughout the war of 1914-1918 at Sandwich, Ontario by the Canadian Salt Company and following cessation of hostilities Brunner, Mond Canada, Ltd., was constructing a plant at Amherstburg Ontario for the production of soda ash from brine.

TABLE 4 - SALT PRODUCED FOR CHEMICAL PURPOSES, 1925-1939.

Year	Quantity Tons (2000 lb.)	Per cent of total salt output	Year	Quantity Tons (2000 lb.)	Per cent of total salt output
1925 .....	93,500	40	1932 .....	96,242	37
1926 .....	113,020	43	1933 .....	104,740	37
1927 .....	115,995	43	1934 .....	124,132	39
1928 .....	135,138	45	1935 .....	145,433	40
1929 .....	168,327	51	1936 .....	165,882	42
1930 .....	114,737	42	1937 .....	205,149	45
1931 .....	97,958	38	1938 .....	170,938	39
			1939 .....	187,958	44

Used in the manufacture of chemicals by producers of salt.





TABLE 5. - IMPORTS INTO CANADA AND EXPORTS OF SALT, 1938 AND 1939.

	1938		1939	
	Tons	Value \$	Tons	Value \$
IMPORTS -				
Salt, for use of the sea of gulf fisheries.....	39,016	110,808	34,646	97,598
Salt, in bulk, n.o.p. ....	44,692	169,039	54,659	193,233
Salt, n.o.p. in bags, barrels, etc. ..	24,384	172,742	28,313	216,171
Salt, table, made by an admixture of other ingredients, when containing not less than 90 per cent of pure salt	41	1,176	11	366
TOTAL .....	108,133	453,765	117,629	507,368
EXPORTS -				
TOTAL .....	11,844	68,293	10,656	76,287

TABLE 6 - TOTAL CANADIAN IMPORTS AND EXPORTS OF SALT, 1930 - 1939.

Year	EXPORTS		IMPORTS	
	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$
1930 .....	8,758	74,397	128,385	660,903
1931 .....	6,126	55,110	130,890	751,938
1932 .....	5,627	36,248	102,033	595,954
1933 .....	5,335	43,461	135,620	651,237
1934 .....	6,597	48,097	138,794	586,033
1935 .....	9,045	51,239	128,247	526,740
1936 .....	5,549	46,601	108,925	460,998
1937 .....	9,329	61,522	116,460	466,190
1938 .....	11,844	68,293	108,131	453,765
1939 .....	10,656	76,287	117,629	507,368

World production of salt in 1938, the last year for which data are available, was computed at 32,000,000 long tons by the Imperial Institute, London. Of this quantity, the British Empire accounted for 5,200,000 long tons or 16.2 per cent. In the order of output the United Kingdom, India and Canada were the largest Empire producers of the mineral. The leading producers among the foreign countries were the United States, Russia, China, Germany, France, Italy, Poland, Roumania, and Manchoukuo; the total figure for world output included rock salt, brine (wells) salt, and sea salt. In 1937 production in Germany totalled 3,312,128 long tons; in Great Britain 3,083,755 and in France 2,301,151.



TABLE 7 - AVAILABLE STATISTICS ON CONSUMPTION OF SALT, IN SPECIFIED CANADIAN INDUSTRIES, 1937 and 1938. (x)

Industries	1937		1938	
	Quantity used	Cost at works	Quantity used	Cost at works
	Pounds	\$	Pounds	\$
Fish canning and curing (factories only) .....	40,634,000	208,510	38,146,100	206,797
Slaughtering and meat packing .....	80,296,715	460,248	72,938,200	391,772
Acids, alkalies and salts - Brine (salt content) and dry salt.....	475,553,413	383,549	398,870,603	332,411
Soaps and cleaning preparations...	4,017,429	14,958	3,833,557	14,015
Dyeing, cleaning and laundry work.	5,106,053	36,238	5,155,651	35,282
Dyeing and finishing of textiles..	2,086,511	8,330	1,971,890	7,972
Artificial ice .....	1,998,376	7,176	1,435,067	6,212
Abrasives - artificial .....	676,000	2,786	406,000	1,784
Waterworks .....	1,600,000	...	(a)	(a)
Leather tanneries .....	9,480,760	39,288	10,868,261	40,280
Pulp and paper mills .....	(c)	63,787	20,686,000	68,485
Stock and poultry foods .....	3,454,000	22,505	4,150,000	27,016
Bread and other bakery products ..	16,919,700	150,569	11,076,372	140,230
Fruit and vegetable preparations .	9,547,982	63,585	10,108,280	59,102
Biscuits, confectionary, etc. ....	1,551,300	13,056	1,771,000	19,043
Foods, breakfast .....	1,693,494	11,864	1,655,734	10,768
Sausage and sausage casings .....	655,897	6,311	545,923	7,958
Ice cream industry (b) .....	1,314,500	10,516	1,200,000	9,561
Breweries .....	602,351	8,355	280,544	2,809
Malt and malt products .....	261,119	1,370	265,605	1,179
Coffee, tea and spices .....	368,491	3,036	237,863	2,371
Macaroni, vermicelli, etc. ....	78,796	728	94,940	770
Ice cream cones .....	4,127	30	4,279	33
Foods, miscellaneous .....	823,172	8,581	937,764	9,596
Butter and cheese .....	...	156,356	...	164,815
Starch and glucose .....	396,090	1,198	386,043	1,189

(x) In addition, large quantities of salt are used on highways.

(a) Not compiled in 1938.

(b) Quantities estimated.

(c) Not available.

NOTE: - In addition a relatively small quantity of salt is used in the manufacture of woollen textiles. Also corresponding data for 1939 not yet complete.

TABLE 8 - POTASH SALTS USED IN THE MANUFACTURE OF CANADIAN MIXED FERTILIZERS, 1937 and 1938.

	1937		1938	
	Tons	Cost at works	Tons	Cost at works
		\$		\$
Nitrate of potash .....	624	32,421	637	33,426
Kainite and potash manure salts ...	75	2,500	75	2,500
Muriate of potash .....	28,899	795,733	37,174	1,068,820
Sulphate of potash .....	3,925	142,312	5,866	220,512

NOTE - Data for 1939 not yet complete.





TABLE 9 - SALES OF POTASH SALTS FOR FERTILIZER PURPOSES, OTHER THAN FOR THE MANUFACTURE OF MIXED FERTILIZERS, Years ended June 30, 1938, 1939.

	1938	1939
	(Short tons)	
Muriate of potash .....	9,449	8,643
Sulphate of potash .....	700	534

TABLE 10 - IMPORTS INTO CANADA OF SPECIFIED POTASSIUM COMPOUNDS, 1938 and 1939

	1938		1939	
	Pounds	\$	Pounds	\$
Potash bicarbonate .....	10,488	924	13,584	1,310
Potash compounds, other .....	391,521	75,158	536,844	80,466
Kainite, or German potash salts and mineral .....	240,400	3,850	11,000	187
Cream of tartar (crystals) .....	641,344	109,407	727,852	145,032
Potash and pearl ash .....	195,042	10,591	276,227	17,341
Potash, caustic .....	782,956	47,526	1,348,568	77,004
Potash, chlorate of .....	1,133,844	48,404	302,518	16,357
Saltpetre or nitrate of potash .....	2,310,365	73,030	1,486,526	55,512
Muriate of potash (fertilizer) .....	96,779,500	1,108,897	90,782,200	1,135,151
Potash, sulphate of, crude, (fertilizer) .....	12,198,600	173,859	12,795,300	193,652
Potash, bichromate, crude .....	121,531	10,435	188,479	16,819
Potash prussiate .....	26,731	3,768	50,859	10,881
/ 36,050,300 lb. from France.				

TABLE 11 - APPROXIMATE WORLD PRODUCTION OF POTASH IN MARKETABLE SALTS 1937-38.

	1938		1937	
	Metric tons K <sub>2</sub> O	Per cent of Total	Metric tons K <sub>2</sub> O	Per cent of Total
Germany .....	1,860,000	59.9	1,689,500	60.6
France .....	581,815	18.7	489,800	17.6
United States ....	287,532	9.3	258,090	9.2
U.S.S.R. ....	275,000	8.8	266,000	9.5
Poland .....	72,139	2.3	62,489	2.2
Palestine .....	24,000	0.8	18,234	0.7
Other Countries ..	5,000	0.2	5,000	0.2



TABLE 12 - SALIENT STATISTICS OF THE POTASH INDUSTRY (crude and refined potash materials)  
IN THE UNITED STATES, 1938-39

	1938	1939
<b>PRODUCTION:</b>		
Potassium salts .....short tons	534,945	524,986
Approximate equivalent, K <sub>2</sub> O ..... " "	316,951	307,051
<b>SALES BY PRODUCERS:</b>		
Potassium salts ..... " "	398,189	634,014
Approximate equivalent, K <sub>2</sub> O ..... " "	286,437	366,287
Value at plant .....	\$9,748,290	\$12,028,195
Average per ton .....	\$19.57	\$18.97
<b>IMPORTS:</b>		
Crude and refined .....short tons	450,387	254,692
Approximate equivalent, K <sub>2</sub> O ..... " "	193,609	99,569
Value .....	\$13,512,110	\$8,158,334
<b>EXPORTS:</b>		
Fertilizer materials .....short tons	84,137	136,750
Approximate equivalent, K <sub>2</sub> O ..... " "	50,500	82,000
Value .....	\$2,599,772	\$4,446,852
Other .....short tons	2,616	3,579
Approximate equivalent, K <sub>2</sub> O ..... " "	1,300	1,800
Value .....	\$485,672	\$807,987

The minerals yearbook of the United States Bureau of Mines for 1940 contains the following informations: - "With Europe again at war, no potash shortage now threatens the United States; there is no prospect that the farmer will have to pay exorbitant prices for his potash. This fortunate situation is directly attributable to the foresight that led the Federal Government to Pioneer in the search for Potash resources and to encourage and foster the building of a domestic industry that can now supply cheaply all the potash required for essential needs. In 1939 american producers supplied 634,000 short tons of potash salts, for which they realized an average of \$18.97 per ton at the plants. Natural brines and bedded saline deposits were the sources from which nearly 99 percent of the 1939 output of potash was drawn. As in the past a small tonnage was derived from cement-plant dust and distillery waste. The potential capacity of american producers, without major additions to plants or equipment, has been estimated by the Federal Geological survey to be approximately 540,000 tons of K<sub>2</sub>O per year, considerably more than probable needs. Any deficiency in high-grade salts that might develop can be made up by increased output of manure salts, which can be mined in New Mexico to average around 25 percent K<sub>2</sub>O. Some apprehension has been expressed concerning the supply of sulfate, for which the United States formerly depended almost entirely on imports; however this salt is now being produced by three companies.

"Publication of production statistics by European governments virtually ceased in the summer of 1939, and no adequate data are available for the latter half of the year."

In the United States a senate investigation of the potash industry was started in 1936. It was instituted to determine whether unfair or illegal practices were being employed in the exploitation of potash resources and the extent of foreign ownership or control of American potash companies.

Natural potash salts are not yet mined or recovered on an extensive commercial scale in Canada. Potash occurs in small quantities in rock salt strata at Malagash, Cumberland County, Nova Scotia, and at Gautreau, Westmorland County, New Brunswick. Potassium chloride occurs at Malagash in a number of definite bands





in the salt mass in the form of crystalline beds of pink and yellowish green sylvite in the matrix of halite. The 1938 annual report of the Department of Public Works and Mines, Nova Scotia, refers to the Malagash occurrence as follows: - "There are two white seams of salt roughly parallel to each other called the Lucas and the McKay and which are being operated by the company, Approximately midway between these two seams a new zone was found in the upper levels carrying potash. This zone was not wide enough to be of commercial value but recent drilling from one seam to the other on the bottom levels has shown a considerable increase in the width of this potash zone and an increase in the potash content".

TABLE 13 - IMPORTS INTO CANADA OF SODA ASH, SODA BICARBONATE AND CAUSTIC SODA, 1938 and 1939.

	1938		1939	
	Pounds	\$	Pounds	\$
Soda, caustic .....	6,667,057	180,106	6,286,192	168,280
Soda, caustic, in solution.	12,565,941	182,286	13,126,564	248,635
Soda ash or barilla .....	2,908,364	41,831	3,145,499	45,377
Soda bicarbonate .....	12,456,313	185,940	16,645,777	269,756

Canadian imports of soda ash in 1938 totalled 91,138,000 pounds valued at \$1,973,641; caustic soda 12,360,000 pounds at \$623,023 and soda 11,382,000 pounds at \$174,555.

TABLE 14 - IMPORTS INTO CANADA OF CHLORINE, BROMINE AND IODINE, ETC. 1938 and 1939.

	1938		1939	
	Pounds	\$	Pounds	\$
Chlorine, liquid or gas .....	7,721,550	165,982	10,692,096	213,207
Bromine .....	3,632	1,929	72,883	16,199
Iodine, crude .....	78,638	67,636	79,982	90,340
Bromides crude for bromine production .....	2,625	2,807	-	-
Tetraethyl lead compounds / ..	5,486,418	2,485,032	6,373,494	2,927,449

Canadian imports of chloride of lime in 1938 totalled 9,784,000 pounds valued at \$162,748.

/ In which tetraethyl lead is the preponderant constituent by weight; the entire imports came from the United States.

Caustic soda, chlorine and hydrochloric acid are now manufactured by Canadian Industries Limited from salt obtained from the company's wells located at Sandwich. This company operates chemical plants at Windsor, Cornwall, Shawinigan Falls and Quebec.

The Brunner, Mond Canada, Limited, located at Amherstburg, Ontario, manufactures soda ash from natural brine; calcium chloride is also recovered as a by-product by this company.

TABLE 15 - PRINCIPAL STATISTICS OF THE SALT INDUSTRY IN CANADA, 1937, 1938 and 1939.

	1937	1938	1939
Number of firms / .....	9	9	9
Capital employed .....	4,001,568	4,270,795	4,447,204
Number of employees - On salary .....	127	115	113
On wages .....	416	447	434
Total .....	543	562	547
Salaries and wages - Salaries .....	260,753	278,478	285,023
Wages .....	392,383	508,242	456,713
Total .....	653,136	786,720	741,736
Selling value of products (gross) .....	2,334,016	2,489,719	2,957,982
Cost of purchased process materials .....	75,947	30,369	37,161
Cost of fuel and electricity .....	183,117	278,711	276,267
Value of containers .....	534,551	576,806	471,350
Net value of sales .....	1,540,401	1,603,833	2,173,204



TABLE 16 - WAGE-EARNERS, BY MONTHS, 1935-1939. (On 15th or nearest representative date)

Month	1935	1936	1937	1938	1939		
					Male	Female	
					Surface	Underground	Surface
January .....	336	340	348	411	359	54	27
February .....	311	301	370	446	348	54	24
March .....	356	362	376	441	329	51	27
April .....	324	379	401	452	342	53	29
May .....	400	380	429	448	356	52	31
June .....	396	396	427	423	370	53	36
July .....	396	413	452	439	372	53	35
August .....	385	413	444	438	335	53	28
September ...	391	418	451	477	345	54	32
October .....	357	423	437	487	366	52	40
November .....	392	427	456	474	363	53	33
December .....	383	356	371	426	332	53	23
AVERAGE....	372	384	416	447	351	53	30

TABLE 17 - NUMBERS OF WAGE-EARNERS WHO WORKED THE NUMBER OF HOURS x SPECIFIED DURING ONE WEEK IN MONTH OF NORMAL EMPLOYMENT, 1939.

Hours	Number		Hours	Number	
	Male	Female		Male	Female
30 or less .....	5	4	49-50 .....	12	-
31-43 .....	11	7	51-54 .....	10	-
44 .....	84	13	55 .....	12	-
45-47 .....	5	2	56-74 .....	136	-
48 .....	111	6	65 / .....	31	-

x Grand total employees in week specified; male 417; female 32.

/ Total wages paid in week specified \$7,780.

TABLE 18 - FUEL AND ELECTRICITY USED IN THE CANADIAN SALT INDUSTRY, 1938 and 1939.

Kind	Unit of measure	1938		1939	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian .....	short ton	8,671	\$ 36,779	17,827	\$ 78,506
Imported .....	short ton	42,855	179,550	33,725	137,305
Anthracite coal .....	short ton	4,241	18,820	4,712	21,617
Lignite coal .....	short ton	6,633	21,833	5,180	17,754
Coke .....	short ton	...	...	...	...
Gasoline .....	Imp. gal.	4,350	704	5,575	933
Kerosene .....	Imp. gal.	...	...	88	22
Fuel oil .....	Imp. gal.	6,582	540	84,541	9,265
Wood .....	cord	...	...	...	...
Gas natural .....	M. cu. ft.	...	...	47	25
Electricity purchased .....	K. W. H.	2,123,280	12,496	1,767,603	10,840
TOTAL .....	\$	...	278,711	...	276,267
Electricity generated for own use	K. W. H.	3,731,534	...	4,212,996	...





TABLE 19 - POWER INSTALLATION, 1939

Description	Ordinarily in use		In reserve or idle	
	Number of units	Total horse power	Number of units	Total horse power
1. Steam engines and steam turbines	18	2,210	6	190
2. Diesel engines .....	3	555	-	-
3. Gasoline, gas and oil engines, other than diesel engines .....	2	24	-	-
4. Hydraulic turbines or water wheels .....	-	-	-	-
5. Electric motors -				
(a) Operated by purchased power .....	108	909	2	41
Total 1, 2, 3, 4 and 5(a).	131	3,698	8	231
(b) Operated by power generated by the establishment.....	130	1,642	-	-
Boilers .....	8	3,300	-	-

LIST OF FIRMS IN CANADIAN SALT INDUSTRY, 1939.

<u>Name of Firm</u>	<u>Head Office</u>	<u>Location of Plant</u>
<u>NOVA SCOTIA -</u>		
Malagash Salt Co. Ltd.	196 Provost St., New Glasgow	Malagash
<u>ONTARIO -</u>		
Brunner, Mond Canada, Ltd.	Canadian Bank of Commerce Bldg., Toronto	Amherstburg
Canadian Industries Limited	P.O. Box 10, Montreal, P.Q.	Windsor
The Dominion Salt Co. Ltd.	Sarnia	Sarnia
Goderich Salt Co. Ltd.	Goderich	Goderich
Warwick Pure Salt Co. Ltd.	R.R. 5, Watford	Lambton Co.
Western Canada Flour Mills Co. Ltd.	287 MacPherson Ave., Toronto	Goderich
<u>MANITOBA -</u>		
Neepawa Salt Ltd.	P. O. Box 10, Montreal, P.Q.	Neepawa
<u>ALBERTA -</u>		
Industrial Minerals Ltd.	423 Canada Cement Bldg., Montreal, Que.	Waterways

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