

GEOLOGICAL SURVEY, CANADA

INDEX

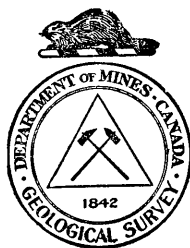
TO

SEPARATE REPORTS 1906-1910

AND

SUMMARY REPORTS 1905-1916

COMPILED BY
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OTTAWA

F. A. ACLAND

PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1923

No. 2000

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INTRODUCTION

This Index is the third issued by the Geological Survey. The first covered the reports from 1863 to 1884, and the second, published in 1908, covered Volumes I-XVI, which contained most of the reports from 1884 to 1904. The present work contains references to the "separate" reports, 1906-1911; to the Summary Reports, 1905-1916, and to the accompanying maps, but does not contain references to any Memoirs or Bulletins.

A list of the reports indexed is given on page 5; and on page 304 a list of maps that do not accompany any special report.

The plan of this work is substantially the same as that of the 1908 Index with the following exceptions:

- (a) References to existing flora and fauna are omitted.
- (b) Whenever a place in Ontario or Quebec can be located in a township, the name of the township is given, but not the name of the county or district. The location of the township can be ascertained by referring to the list of townships on page 299.
- (c) Places in British Columbia are located in mining divisions as represented on the map of British Columbia, which is taken from the map issued by the Department of Mines, British Columbia, 1914.
- (d) Places in the Central and Maritime Provinces are located in electoral divisions as shown on maps in pocket. These divisions are taken from the Electoral Atlas published by the Department of the Interior, 1915.

The compiler is glad to have the opportunity of acknowledging that without the help of the officers of the Geological Survey this work could never have attained accuracy. But he owes special acknowledgments to Dr. G. A. Young, to whom he has applied for information and advice on many hundreds of occasions, and without whose aid this work would have lost much of its usefulness. The compiler regrets that Dr. Young will not permit his name to appear on the title page.

ABBREVIATIONS

R	preceding a number stands for "Separate Report." Example, R 1085 means "Separate Report, Geological Survey, Pub. No. 1085."
S	preceding a number stands for "Summary Report." Example, S 1912 means "Summary Report for the year 1912."
Alta.	Province of Alberta.
B.C.	Province of British Columbia.
C.B.	Cape Breton.
C.P. ry.	Canadian Pacific railway.
Frank.	Provisional district of Franklin. ¹
G.T. ry.	Grand Trunk railway.
Kee.	Divisional district of Keewatin. ¹
Ken.	District of Kenora.
Lab.	Labrador. ¹
m.	Mine.
Mack.	Provisional district of Mackenzie. ¹
Man.	Province of Manitoba.
N.B.	Province of New Brunswick.
N.S.	Province of Nova Scotia.
N.T. ry.	National Transcontinental railway.
Ont.	Province of Ontario.
P.E.I.	Province of Prince Edward Island.
Que.	Province of Quebec.
R.M.	Rocky mountains.
Sask.	Province of Saskatchewan.
V.I.	Vancouver island.
Ykn.	Territory of Yukon.

¹ Since January, 1920, the districts of Keewatin, Mackenzie, and Franklin have had a legal existence as Provisional Districts included in the general term Northwest Territories. Labrador includes only the strip, bordering New Quebec along the Atlantic coast, that is under the judicial jurisdiction of Newfoundland.

LIST OF REPORTS INDEXED

Geological Survey Publications

923. Geological Report on the Chibougamau Mining Region in the Northern Part of the Province of Quebec. By A. P. Low.
928. Section of Mines. Annual Report for 1904. By E. D. Ingall.
939. Preliminary Report on the Rossland, B.C., Mining District. By R. W. Brock.
949. Report on the Cascade Coal Basin, Alberta. By D. B. Dowling.
958. Report of the Section of Chemistry and Mineralogy, 1905. By G. C. Hoffmann.
961. Reprint of a Report on the Origin, Geological Relations, and Composition of the Nickel and Copper Deposits of the Sudbury Mining District, Ontario, Canada. By A. E. Barlow.
962. Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map-sheets, Comprising Portions of the District of Nipissing, Ontario, and of the County of Pontiac¹, Quebec. By A. E. Barlow.
968. Moose Mountain District of Southern Alberta. By D. D. Cairnes.
970. The Falls of Niagara. By J. W. W. Spencer.
971. Section of Mines. Annual Report on the Mineral Industries of Canada for 1905. By E. D. Ingall.
974. Report on the Copper Deposits of the Eastern Townships of Quebec, with a Review of the Igneous Rocks of the District. By J. A. Dresser.
977. Report on the Geology and Natural Resources of the Area Included in the Northwest Quarter-sheet, Number 122, of the Ontario and Quebec Series, Comprising Portions of the Counties of Pontiac, Carleton, and Renfrew. By R. W. Ells.
979. Report on Gold Values in the Klondike High Level Gravels. By R. G. McConnell.
980. Geological Reconnaissance of a Portion of Algoma and Thunder Bay Districts, Ontario. By W. J. Wilson.
982. Report on a Portion of Conrad and Whitehorse Mining Districts, Yukon. By D. D. Cairnes.
983. The Geology and Mineral Resources of New Brunswick. By R. W. Ells.
986. Preliminary Report on a Part of the Similkameen District, British Columbia. By C. Camsell.
988. The Telkwa River and Vicinity, B.C. By W. W. Leach.
992. Report on a Portion of Northwestern Ontario Traversed by the National Transcontinental Railway between Lake Nipigon and Sturgeon Lake. By W. H. Collins.
- 996.² Preliminary Report on a Portion of the Main Coast of British Columbia and Adjacent Islands Included in New Westminster and Nanaimo Districts. By O. E. LeRoy.
1006. Report on a Traverse Through the Southern Part of the North West Territories from Lac Seul to Cat Lake in 1902. By A. W. G. Wilson.
1021. Summary Report on Explorations in Nova Scotia, 1907. By H. Fletcher.
1028. Report on a Recent Discovery of Gold near Lake Megantic, Quebec. By J. A. Dresser.
1030. Report on the Landslide at Notre-Dame de la Salette, Lièvre River, Quebec. By R. W. Ells.
1035. The Coal Fields of Manitoba, Saskatchewan, Alberta, and Eastern British Columbia. By D. B. Dowling.
1050. The Whitehorse Copper Belt, Yukon Territory. By R. G. McConnell.
1059. A Geological Reconnaissance of the Region Traversed by the National Transcontinental Railway between Lake Nipigon and Clay Lake, Ontario. By W. H. Collins.
1064. Geology of an Area Adjoining the East Side of Lake Timiskaming, Quebec. By M. E. Wilson.
1075. Preliminary Report on Gowganda Mining Division, District of Nipissing,³ Ontario. By W. H. Collins.
1080. Report on a Part of the North West Territories of Canada Drained by the Winisk and Upper Attawapiskat Rivers. By W. McInnes.
1081. Report on the Region Lying North of Lake Superior Between the Pic and Nipigon Rivers, Ontario. By W. H. Collins.
1085. A Descriptive Sketch of the Geology and Economic Minerals of Canada. Introduction by R. W. Brock. By G. A. Young.
1097. A Reconnaissance Across the Mackenzie Mountains on the Pelly, Ross, and Gravel Rivers, Yukon and North West Territories. By J. Keele.
1107. Part II. Geological Position and Character of the Oil-shale Deposits of Canada. By R. W. Ells.

and

Geological Survey Summary Reports for the Years 1905 to 1916 inclusive.

Mines Branch Publication

55. Part I. Report on Tests Made in Scotland of Oil-shale Sent from New Brunswick in the Spring of 1908, With a View to Ascertaining Its Economic Value. Especially as Regards the Yield of Crude Oil and Sulphate of Ammonia. By R. W. Ells.

¹ The pagination of the reprint is from one to two pages different from that of the first issue.

² The area reported on in Quebec is now part of Timiskaming county.

³ Now in the district of Timiskaming.

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Egan tp., Que.....	259, 260 S 1910
Amphibolite	
Atlin mg. div., B.C.....	32 S 1910
Bell R. reg., Que.....	327 S 1912
Gooderham, Ont.....	12 S 1906
Gunflint L. area, Ont.....	185 S 1910
Minnitaki L. area, Ont.....	29 R 1059
Nipigon L. reg., Ont., petrography..	25, 26 R 1059
Patricia dist., Ont.....	15 R 1006
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Nipissing l., Ont.....	119, 294 R 962
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Winnipegosis l., Man., near.....	307 S 1913
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Quebec city, Que.....	356 S 1911
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	190 S 1910
Amulree, N. Easthope tp., Ont.	
	165, 166 S 1909
Amundsen, Capt. Roald	
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Gowganda mg. div., Ont.....	199 S 1910
L. Superior, N. shore.....	14 R 1081
Larder L. area, Ont.....	175 S 1909
Nelson mg. div., B.C.....	143 S 1911
New Brunswick.....	36, 43 70 R 983
	232, 235 S 1913
Queen Charlotte islds., B.C.....	79 S 1909
Telkwa mg. div., B.C.....	11 R 988
Texada is., B.C.....	70 S 1909
White R. headwaters, Ykn.....	23, 25 S 1905
Windy Arm dist., Ykn.....	28 S 1905
AMYZON	
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Anaconda copper claim, Quadra is., B.C.	
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Anaconda copper claim, Rocher., B.C.	
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Awaruite	
Pelly r., Ykn.....	258 S 1910
Axinite	
Osoyoos mg. div., B.C.....	259 S 1910
Breccia	
Sudbury nickel reg., Ont.....	73 R 961
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Bridge R. area, B.C.....	83 S 1915
Clay	
Taber area, Alta.....	226 S 1911
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Moose Jaw, S.W. of, Sask.....	64 R 958
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	72, 73 S 1906
	76 S 1908
Bow r.....	46 R 1035
Brazeau area.....	47, 48 R 1035
	76 S 1908
	95, 96, 106 S 1916
Castle r.....	242 S 1912
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Costigan basin.....	59 R 1035
	39, 40 S 1907
Crowsnest field.....	48 R 1035
	114 S 1916
Dirt hills.....	83 S 1908
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	211, 213, 216 S 1911
Laramie formation.....	65, 66 R 1035
Lethbridge-Medicine Hat area..	46, 61 R 1035
Livingstone area.....	47, 56 R 1035
Mainville area.....	223 S 1911
Milk r.....	46 R 1035
Moose Mt. reg.....	9-11, 13-16, R 968
	57 R 1035
North Saskatchewan R. reg....	46-48 R 1035
	151, 152 S 1913

Analyses (Continued)

Coal (Continued)

Alberta (Continued)

Oldman r.....	23	R	938
Mill ck.....	47	R	1035
Peace r.....	61, 62	R	1035
Pembina field.....	169	S	1906
	106	S	1916
Pincher ck.....	47	R	1035
Red Deer dist.....	20, 24	R	958
river.....	36	R	949
	46	R	1035
Rocky mts.			
Banff area.....	19, 24, 26, 30	R	949
	30, 35	R	958
Blairmore-Frank area.....	56	R	1035
Cascade area.....	48, 57, 58	R	1035
	77, 79	S	1908
foothills.....	34, 35	R	949
	58, 60, 62, 64	R	1035
	37, 38	S	1907
	144-150	S	1909
Rocky Mountains park.....	106	S	1916
St. Mary r.....	46	R	1035
Smoky R. area.....	92, 93	S	1916
Taber.....	105	R	971
Tofield.....	221	S	1911
Towkinow r.....	20	R	958

British Columbia

Elk r.....	47, 55, 56	R	1035
Kootenay formation.....	55-60	R	1035
Morrissey.....	48	R	1035
Nicola mg. div.....	23-27	R	958
	74, 75	R	1035

Omineca mg. div.

Bulkley valley.....	42, 43	S	1908
	99, 100	S	1910
Groundhog basin.....	88, 89	S	1911
	94-100	S	1912
Kispiox area.....	90	S	1911
	101	S	1912
Sustat r.....	100, 101	S	1912
Takla l.....	74	S	1915
Telkwa area.....	37	R	958
	15, 18, 19	R	988
	38, 39	S	1906
	22	S	1907

Peace R. mg. div.....	27-30	R	958
	61, 62	R	1035

Princeton basin.....	31	R	986
	49	S	1906

Queen Charlotte islds.....	73, 74	R	1035
	31, 32, 36-39	S	1912
	49-52	S	1913

Skeena mg. div.....	90	S	1911
Tulameen area.....	116	S	1909

Vancouver is.....	47, 72, 73	R	1035
	53	S	1912

Yale mg. div.....	75	R	1035
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New Brunswick.....	106, 107	R	983
	81	R	1035
	269	S	1916

Nova Scotia

Antigonish co.....	12	R	1021
Cape Breton.....	79-81	R	1035
Hants co.....	150	S	1906
Pictou co.....	30, 38	R	1107
	77-79	R	1035
	137	S	1908

Saskatchewan

Lac la Ronge area.....	156, 157	S	1909
Souris area.....	19	R	958
Willowbunch reg.....	158	S	1913
Wood Mt. reg.....	66	S	1914

Yukon.....	20, 25	R	958
	76, 77	R	1035
	29	S	1908
	32, 33	S	1914

Analyses (Continued)

Copper and copper ores

Allenby mt., B.C.....	36	R	986
Eastern Tps., Que.....	47	R	1085
Nordenskiöld r., Ykn.....	30, 31	S	1908
Rossland dist., B.C.....	18	R	939
Sudbury nickel reg., Ont.....	25	R	961
Whitehorse dist., Ykn.....	23, 37, 49	R	1050

Copper matte

Trail, B.C.....	31	R	939
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Cornish stone. SEE BELOW Granite

Dacite tuff

Kyuquot sd., B.C.....	118	S	1913
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Danaite

Sudbury nickel reg., Ont.....	103	R	961
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Diorite

Eastern Tps., Que.....	27	R	974
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Dolomite

Algoma dist., Ont.....	9	R	980
Faraday tp., Ont.....	42	R	958
Thunder B. dist., Ont.....	9	R	980
	16	R	1081

Feldspar

Addington co., Ont.....	232	S	1911
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Templeton tp., Que.....	165	S	1915
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Flue dust

Sudbury nickel reg., Ont.....	203	R	961
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Fluorite

Nelson mg. div., B.C.....	157	S	1911
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Gas (natural)

Athabaska and Peace rivers.....	145, 151	S	1916
Calgary, Alta.....	51	S	1914
Margaretville, N.S. (near).....	272	S	1916
Plantagenet tp., Ont.....	312	S	1916

Gas (retort)

Albert shales, N.B.....	16	R	55
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Glass sand

Lac la Ronge area, Sask.....	157	S	1909
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Gneiss

Timiskaming dist., Ont. and Que.....	53	R	962
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Wekusko l., Man.....	167	S	1916
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Gold and silver. SEE ALSO Assays

Windy arm, Ykn.....	16	R	982
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Granite (Cornish stone)

Amherst tp., Que.....	217	S	1916
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Granodiorite

Butte co., California.....	27	R	974
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Coast Range batholith.....	61	S	1912
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Graphite

St. John, N.B.....	114	R	983
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Gypsum

New Brunswick.....	119, 120	R	983
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Hexahydrite

Lillooet, B.C.....	256, 257	S	1910
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Hydromagnesite

Atlin, B.C.....	53-55, 60	S	1915
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Iron ores

Bathurst dist., N.B.....	222	S	1909
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Nipisiguit r.....	86	R	983
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Blairmore area, Alta.....	45	R	958
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	200	S	1911
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Bristol tp., Que.....	40	R	977
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Carleton and Charlotte cos., N.B.....	46	R	958
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	83	R	983
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Dunham tp., Que.....	45	R	958
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Gatineau r., Que.....	46	R	958
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Gravel r., Mack.....	50	R	1097
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Halifax and Kings cos., N.S.....	45	R	958
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Kenora dist., Ont.....	51	S	1907
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L. Huron, N. shore.....	185	S	1916
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Lanark co., Ont.....	46	R	958
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Londonderry, N.S.....	263-265	S	1916
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Moose Mt. range, Ont.....	312	S	1912
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Pictou co., N.S.....	277	S	1916
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Pincher Ck. area, Alta.....	47	R	958
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Quinze r., Que.....	46	R	958
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Savant l., Ont.....	60	R	1059
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Telkwa valley, B.C.....	68	S	1915
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Texada is., B.C.....	42, 44, 45	R	996
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Analyses (Continued)

Iron ores (Continued)			
Timagami l., Ont.....	47	R	958
Torbrook area, N.S.....	46	R	958
	274	S	1916
Vancouver is., B.C.....	95	S	1909
Vernon mg. div., B.C.....	47	R	958
Kaolin			
Amherst tp., Que.....	230	S	1911
	216, 217	S	1916
Lead ores—Galena			
Bulkley valley, B.C.....	44, 45	S	1908
St. John co., N.B.....	93	R	983
Watson and Wheaton rivers, Ykn..	19	R	982
Windy arm, Ykn.....	17	R	982
Limestone			
Coleman tp., Ont.....	40	R	1064
	192	S	1916
Missisquoi and Terrebonne cos., Que.....	40, 41	R	958
Orangedale, N.S.....	278	S	1916
Pittsburgh tp., Ont.....	41	R	958
St. John co., N.B.....	117, 118	R	983
	241	S	1913
Texada is., B.C.....	42	R	958
	55, 57	R	996
Vancouver is., B.C.....	53	S	1912
Victoria co., N.S.....	38	R	958
Zymoetz r., B.C.....	45	S	1908
Linarite			
Slocan mg. div., B.C.....	260	S	1910
Magnesite			
Argenteuil co., Que.....	159	R	928
Atlin mg. div., B.C.....	158	R	928
Bridge R. area, B.C.....	84	S	1915
	49	S	1916
Orangedale, N.S.....	278	S	1916
Manganese ores			
New Brunswick.....	96-98	R	983
	182	S	1915
Prince Edward is.....	70	R	958
Marl			
Emerald l., Ont.....	154	R	962
Mayo, Ykn.....	19	S	1916
Molybdenite			
Gnawed mt., B.C.....	70	R	958
Monzonite			
Nelson mg. div., B.C.....	144	S	1911
Nickel and nickel ores.....	THROUGHOUT	R	961
Oil			
Calgary, Alta.....	51	S	1914
Gt. Slave l., Mack.....	75	S	1916
Peace r., Alta.....	144	S	1916
Sheep R. reg., Alta.....	115	S	1916
Viking well (Cardston dist.), Alta.	118	S	1916
Oil-shale			
Albert Mines, N.B.....	16-18	R	55
	224	S	1913
	203-206	S	1909
general.....	THROUGHOUT	R	1107
Nova Scotia.....	21, 23, 28-31, 39	R	1107
	135, 137	S	1908
	210, 211	S	1909
Olivine-diabase			
Sudbury nickel reg., Que.....	90	R	961
Perthite			
Timagami dist., Ont.....	151	R	962
Petroleum. SEE ABOVE Oil			
Platinum			
Tulameen area, B.C.....	112	S	1909
Platinum-sperrylite			
Sudbury nickel reg., Ont.....	11, 99	R	961
Pyrophyllite rocks			
Kyuquot sd., B.C.....	118	S	1913
Pyroxene			
Texada is., B.C.....	55	R	996
Quartz			
Franey bk., C.B.....	281	S	1913

Analyses (Continued)

Quartz-porphry			
Eastern Tps., Que.....	23	R	974
Salt			
Kwinitsa r., B.C.....	57	S	1912
Salt R. reg., Alta.....	141, 142	S	1916
Sussex, N.B.....	129	R	983
Sandstone, resinous			
Gaspe, Que.....	60, 61	R	1107
Saponite			
Gatineau r., Que.....	260	S	1910
Schist, chloritic			
Granby bay, B.C.....	56	S	1913
Sea water, average.....	82	S	1913
Serpentine			
Eastern Tps., Que.....	29	R	974
Shale, carbonaceous			
Tagish l., Ykn.....	70	R	958
Shale, ferruginous			
Carleton co., N.B.....	70	R	958
Shale, graphitic			
Inverness co., N.S.....	70	R	958
Shale, oil			
SEE ABOVE Oil-shale			
Shale, Utica			
Ont. and Que.....	63, 64	R	1107
Silica			
Charlotte co., N.B.....	127	R	983
Silt			
Desbarats, Ont.....	70	R	958
Silver ores			
SEE ALSO Assays			
Cobalt area, Ont.....	155	R	961
Fabre tp., Que.....	38	R	1064
Watson and Wheaton rivers, Ykn.	19	R	982
Windy arm, Ykn.....	15-17	R	982
Sinter			
Twomile ck., Skeena r., B.C.....	107	S	1912
Slags			
Sudbury nickel reg., Ont			
Trail, B.C.....	197, 202-204, 211, 212	R	961
	31	R	939
Smaltite			
Cobalt area, Ont.....	154	R	961
Sodalite			
Golden mg. div., B.C.....	143	S	1910
Souesite (iron-nickel alloy)			
Fraser r., B.C.....	10, 11	R	928
Stellarite			
Pictou co., N.S.....	26, 30, 38, 39, 57	R	1107
Stromeyerite			
Nelson mg. div., B.C.....	146	S	1911
Tonalite			
Alaska.....	61	S	1912
Torbanite			
Scotland.....	33, 55-57	R	1107
Tuffs			
Sudbury nickel reg., Ont.....	125	R	961
Volcanic ash			
B.C. and Germany.....	53	S	1916
Water and mineral springs			
Atlin mg. div., B.C.....	158, 159	R	928
	57	S	1915
Brook, Inverness co., N.S.....	49, 50	R	958
Courtright, Ont. (from bore-hole)	55	R	958
Fitzroy tp., Ont.....	60, 61	R	958
Foremost, Alta.....	106	S	1915
Frank coal m., Alta.....	61	R	958
Granville Centre, N.S.....	59, 60	R	958
Great Slave l., Alta.....	143	S	1916
Ingram, Sask.....	56, 57	R	958
Pasquia hills, Sask.....	41, 42	S	1907
Peace r., B.C.....	143, 145	S	1916
Rear bk., N.S.....	59	R	958
Rotorua geysers, N.Z.....	82	S	1913
St. Athanasie par., Que.....	51-53	R	958
St. Johns par., Que. (bore-hole)...	53	R	958
Salt r., Alta.....	142	S	1916
Snake Mountain springs, Alta.....	142	S	1916

Analyses (Continued)

Water and Mineral Springs (Continued)			
Souris area, Sask. (coal mine).....	62, 63	R	958
Sulphur ck., Alta.....	166-168	S	1910
	204	S	1911
Vancouver, B.C.....	64	R	958
	80-83	S	1913
Whitewood, Sask.....	57-59	R	958
Zinc ores			
SEE ALSO Assays			
Slocan mg. div., B.C.....	71	R	971
Anarchist series	212	S	1912
Ancaster , Ancaster tp., Ont.....	411	R	970
	186-188	S	1913
ANCHICERATOPS			
Red Deer r., Alta.....	293	S	1916
Anchor cove , Graham is., B.C.....	45	S	1913
Ancient river channels. SEE River channels, ancient			
ANCYLUS			
Baltic sea.....	231	S	1910
Cowichan l., V.I.....	174	S	1906
Patricia dist., Ont.....	54	R	1080
ANCYROCRINUS			
Interlake peninsula, Ont.....	284, 285	S	1912
Andalusite			
Halifax, N.S., N. of.....	150	S	1906
Sudbury nickel reg., Ont.....	63	R	961
Anderdon beds			
Amherstburg, Ont.....	293	S	1912
Beachville, Ont., for lime.....	86	S	1914
Michigan, U.S.....	291	S	1912
Welland co., Ont.....	270	S	1911
Anderdon tp. , Essex co., Ont.			
Indians.....	383, 385	S	1911
Rocks.....	293	S	1912
Anderson, Prof. E.	32, 33, 56	R	1107
Anderson, R. M.			
Appointment.....	1, 347	S	1913
Pneumonia.....	285	S	1910
Promotion.....	2	S	1915
Sum. rept., on Can. Arctic Exp.....	153, 163	S	1914
	7, 220, 263	S	1915
	7, 314, 374	S	1916
Work, 1908.....	190	S	1908
1913.....	9, 347	S	1913
Anderson, P. and Co.	5	S	1906
Anderson, Pa. , U.S.....	91	R	1035
Anderson bay , Texada is., B.C.			
Mineralized quartz.....	72	S	1909
Anderson ck. , Kootenay l., B.C.			
Rocks; vein, structure.....	142, 152, 153	S	1911
Anderson l. , Bridge r., Lillooet mg. div., B.C.....	112	S	1911
Anderson mt. , S. of Wheaton r., Ykn.....	53	S	1909
	43-46	S	1915
Anderson r. , Fraser r., B.C.....	109, 110	S	1911
Anderson r. , Mack.....	196, 198	S	1908
Anderson Bay formation			
Texada is., B.C.....	70, 72	S	1909
Anderson Lake Mining Co.			
Gold mg., Bridge R. dist., B.C.....	204, 205	S	1912
Andesite			
Ashcroft mg. div., B.C.....	130, 142, 153	S	1912
Atlin mg. div., B.C.....	34	S	1910
Bell R. area, Que.....	324, 325	S	1912
Clinton mg. div., B.C.....	183	S	1912
Coast ranges, B.C.....	36	S	1906
Conrad and Whitehorse dists., Ykn.....	23, 26, 29,	R	982
	51	S	1909
Eastern Tps., Que.....	23, 24	R	974
	46	R	1085
Franklin camp, B.C.....	63	S	1906
Harricanaw r., Que., quartz and calcite veins in.....	98	S	1914
Klotassin dist., Ykn.....	27, 28	S	1916
Nanaimo mg. div., B.C.....	95	S	1911

Andesite (Continued)

New Westminster mg. div., B.C.....	11, 26	R	996
Omineca mg. div., B.C.....	94	S	1910
Telkwa area.....	40	S	1906
	10, 20 and ADDENDA	R	988
Opinicon l., Ont.....	194, 206	S	1916
Osoyoos mg. div., B.C.....	216	S	1912
Quadra is., B.C.....	61-66, 72, 73	S	1913
Queen Charlotte islds., B.C.....	25	S	1912
Rossland dist., B.C.....	15	R	939
Similkameen mg. div., B.C.....	24, 32	R	986
	26, 28, 30	S	1907
	219	S	1912
Skeena R. area, B.C.....	22	S	1907
Vancouver is., B.C.....	58	S	1905
	94	S	1909
	105	S	1910
	92, 93	S	1913
West Shiningtree area, Ont.....	249	S	1911
Wheaton R. area, Ykn.....	51	S	1909
	40	S	1915
White R. area, Ykn.....	22, 23	S	1905
	19, 21	S	1913
Andesite porphyry. SEE Porphyry-andesite			
Andradite			
SEE ALSO Garnet			
Vancouver is., B.C.....	92, 93	S	1909
Whitehorse dist., Ykn.....	25, 31, 34, 39	R	1050
ANDROMEDA			
Thompson r., B.C.....	143	S	1912
ANEMITES			
Kennebecasis is., N.B.....	407	S	1912
Angel copper claim , Lynn ck., Burrard inlet, B.C.....			
	30	R	996
ANGIOPTERIDIUM			
Banff area, Alta.....	30	R	1035
Moose Mt. area, Alta.....	54	R	968
	31	R	1035
Angiosperms			
Rocky mts., introduction.....	110	S	1915
Anglesea tp. , Ont.			
Nickel ore, anal.....	157	R	961
Anglo-American Co.			
Operations, Similkameen mg. div., B.C.....	15	R	986
Anglo-American Consolidated Mining Co.			
	13	S	1907
	14, 17	R	982
Anglo-American Iron Co.	28	R	961
Anglo-American Nickel Co.	176	R	961
Anglo-Canadian Graphite Co.	105	R	928
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.....	191	S	1908
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Hastings and Lanark cos., Ont.....	12	S	1908
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Fort Steele mg. div.....	164	S	1911
Grand Forks mg. div.....	137	S	1911
Howe sd.....	36	R	996
Nelson mg. div.....	145	S	1911
Observatory inlet.....	46	S	1911
Osoyoos mg. div.....	28, 30	S	1907
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Queen Charlotte islds.....	78, 83	S	1909
Rossland dist.....	22	R	939
.....	62	S	1906
Similkameen mg. div.....	35, 36	R	986
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Similkameen mg. div., B.C.....	123	S	1911
Slocan mg. div., B.C.....	124	S	1910
Sudbury nickel reg., Ont.....	247	S	1911
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Niagara r., Ont.....	185	S	1913

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.....	105	S	1908
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Cook bay, Texada is., B.C.

.....	270	S	1910
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Appointed junior geologist.....	2	S	1914
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Cooke, M. W.

.....	73	S	1914
.....	175	S	1916
.....	54	S	1914

Cooper, C. H. B.**Cooper and McPherson. SEE Black****Diamond coal m.****Cooper ck., Lardeau r., B.C.**

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Cooper (Macdonald) l., Macdonald

ck., Matabitchuan r., Ont.			
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.....	85	S	1907
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Cootoo cache, Cloutier tp., Que.

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Cope, E. D.

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	85, 91-94	S 1909
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*Up to 1919, called Ottawa co., which comprised the electoral counties of Labelle and Wright.

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Jumbo galena claim, Glacier ck., Bear r., Portland canal, B.C.		71	S	1910
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* Formerly Berlin

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*Electoral county of Hull co.

†i.e., the strip of coast land bordering eastern

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*Note by W. H. Collins: This lake was originally named Margueratt, after W. H. Margueratt, who discovered silver there; but, owing to a misunderstanding, the name was mapped as Marguerite.

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* Nipissing district originally comprised a large part of what are now the Sudbury, Timiskaming, and Cochrane districts, but now includes little more than the Algonquin Provincial park and the country between L. Nipissing and the northern end of L. Timagami. Many references, therefore, which in the earlier reports referred to Nipissing district, have been transferred to Sudbury and Timiskaming districts.

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* Afterwards Can. Coal and Coke Co., and, later, North American Collieries, Ltd.

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	113, 114	S 1909

Skeena mg. div.

	45	S 1911
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				Kenogama L. reg.....	278	S	1911
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* Not Rush, nor Sagitosh, nor Sahkatawichtah.

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Silver islet, L. Superior, Ont.

Silver ores	81, 90	R 1085
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Silver l., Galway tp., Ont.

Rocks	93	S 1905
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Silver l., Mickle tp., Ont.

Silver mg.	170-172	S 1909
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Silver lakes, Queens co., N.S.

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Silver mt., Lybster tp., Ont.

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Silver peak, S. of Hope, B.C.

	111, 112	S 1912
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Silver ridge, S. of Carpenter ck., B.C.

Structure section	60-61	S 1916
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Silver r., Nipissing l., Ont.

	214	R 962
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Silver Alliance m., Elk l., James tp., Ont.

	172	S 1909
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Silver Basin gold claim, Cadwallader ck., B.C.

	82	S 1915
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Silver Bow galena claim, Maude gulch, Glacier ck., Bear r., Portland canal, B.C.

	78	S 1910
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Silver Cliff claim, E. of Windy arm, Ykn.

	29	S 1905
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Silver Cup m., Silver Cup mt., Lardreau mg. div., B.C.

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Silver Cup mineral location, Ninemile mt., near Hazelton, B.C.

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Silver Cup Mines, Ltd.**Silverdale, New Westminster mg. div., B.C.**

Clay, economic	232	S 1912
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Silver Dollar copper claim, Ninemile mt., near Hazelton, B.C.

Ore, notes	219, 220	S 1912
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Silver Flat claim, N. of Silver l., Portland Canal mg. div., B.C.

	55	S 1911
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Silver Glance galena m., N. Seaton ck., Carpenter ck., Slocan l., B.C.

	133	S 1909
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Silver Heels copper claim, Howson ck., Telkwa r., B.C.

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	97	S 1915
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Silver Hill shales.**Silver Hoard gold claim, N.W. of Ainsworth, B.C.**

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Silver Islet silver m., L. Superior, Ont.

SEE ALSO Silver islet	104	S 1905
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Silver King galena claim, Glacier ck., Bear r., Portland canal, B.C.

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Silver King galena m., Toad mt., B.C.

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Silver Pick galena claim, Ninemile mt., near Hazelton, B.C.

	98	S 1910
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Silver Queen galena claim, Big Bend mt., Wheaton R. reg., Ykn.

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Silver-slope ck., Ottetail r., B.C.

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Silver Star m., Suffield, Ascot tp., Que.

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Silverton (Fourmile) ck., Slocan l., B.C.

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* This term, used before the enlargement of the province of Ontario, to include all those counties W. of L. Simcoe, is now geographically incorrect.

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STRICKLANDINIA

Manitoulin is., Ont.....	280	S	1912
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Strikes (labour)

Alberta, Lethbridge.....	15	S	1906
B.C., coal mines.....	94	R	971
	14, 15, 57	S	1906
Rossland dist.....	13	R	939
Scotland oil-shale industry.....	57	R	55

STRINGOCEPHALUS

Manitoba l., Man.....	77	S	1914
Winnipegosis l., Man.....	253	S	1912

Striped mt., near Hedley, B.C.

	26	S	1907
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Striped Peak formation

Coeur d'Alene dist., Idaho, B.C.	222, 223	S	1912
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Strohn ck., Bear ck., Portland canal,

B.C.			
Valley, character.....	70, 71	S	1911

STROMATOCERIUM

Manitoulin is., Ont.....	277	S	1912
Nipissing l., Ont.....	119, 293, 294	R	962
Pembroke map-sheet, Ont. and Que.	35, 37, 50-54, 57, 63-71	R	977
Simcoe map-sheet, Ont.....	57	S	1907
	98	S	1908
	99	S	1909
	256	S	1911

STROMATOPORA

Albany basin, Ont.....	38-40	R	980
Gravel r., Mack.....	39	R	1097
Jasper park, Alta.....	208	S	1911
Manitoulin is., Ont.....	278, 280	S	1912
Timiskaming l., Ont.....	285	R	962
Winnipegosis l., Man.....	252	S	1912
	76	S	1914

STROMBODES

Timiskaming l., Ont.....	287, 288	R	962
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Stromeyerite

Nelson mg. div., B.C., anal.....	146, 156	S	1911
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Strong, Ralph J.

	17, 105	S	1905
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STROPHEODONTA

Elko, B.C.....	308-314	S	1913
Fossil mt., Alta.....	306	S	1913
Hilbre, Man.....	307	S	1913
Purcell range, B.C.....	132	S	1913
Stony pt., L. Huron, Ont.....	285	S	1912
Theford, Ont.....	283, 284	S	1912
Timiskaming l., Ont.....	126	R	962
Warton, Ont.....	280	S	1912
Winisk r., Ont.....	18	R	1080
Winnipegosis L. reg., Man.....	253, 256	S	1912

STROPHOMENA

Little Current r., Ont.....	35	R	980
Mattawa, Ont.....	120, 292	R	962
New York state, U.S.....	345	S	1912
Nipissing l., Ont.....	294	R	962
Pembroke map-sheet, Ont. and Que.	34-37, 50-54, 57, 58, 63-70	R	977

STROPHOMENA (Continued)

Simcoe area, Ont.....	102	S	1908
	163	S	1909
	190, 191, 255-260	S	1911
	297	S	1912
Winnipegosis l., Man.....	76	S	1914

STROPHONELLA

Niagara r., Ont.....	185	S	1913
Simcoe co., Ont.....	278	S	1912
Timiskaming l., Ont.....	289	R	962

STROPHOSTYLUS

Elko, B.C.....	132	S	1913
Purcell range, B.C.....	308	S	1913

Structural materials

SEE ALSO the various materials			
Canadian resources.....	16	R	1085
Statistics.....	7-9, 135-151	R	928
	7-9, 151-172	R	971
	11	R	1085

New Westminster mg. div., B.C....	55	R	996
Vancouver is., B.C.....	102	S	1909

STROVITE

McQuesten and Quartz cks., Ykn...	299, 327	S	1913
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Stuart l., Omineca mg. div., B.C.

Fossils.....	132	S	1912
Map of area; soil.....	72, 73	S	1915

Stukely tp., Shefford co., Que.

Asbestos; marble; rocks. 208, 211, 213, 216	S	1910
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Sturgeon bay, Buchanan tp., Ont.

Rocks.....	19	R	977
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Sturgeon coal m., Namao, Alta.

	70	R	1035
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Sturgeon falls, Sturgeon r., L. Nipissing, Ont.

Altitude; clay; sand.....	46, 275	R	962
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Sturgeon l., N.E. of Cumberland l.,

Sask. and Man. SEE Namew l.			
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Sturgeon l., Th. B. and R. R. dists.,

Ont.			
Agricultural conditions.....	22	R	992
Altitude; area; horticulture.....	14, 16, 17	R	1059
	103	S	1906
Geology; rocks.....	12-18	R	992
	24, 28, 32-34, 38, 43, 44, 52	R	1059
	105, 106	S	1906
Glacial striae.....	22	R	992
Gold.....	19	R	992
	57	R	1059
	84, 87	R	1035
	52, 107, 108	S	1907
Iron formation near.....	61	R	1059
Map of country between, and L. Nipigon.....		WITH	R 992
		"	R 1059
Navigation.....	16, 18	R	1059
	48	S	1907
Photo.....	FACING		
Physical features.....	12	R	992
Pine.....	10	R	992
Shore-line.....	109	S	1906
	14	R	1059

Sturgeon r., Nipissing l., Ont.

Altitude; striae; soil.....	25, 29, 277	R	962
Channel and drainage.....	22, 25	R	962
Description and geology.....	214-219	R	962
Galena and chalcopyrite.....	138	R	962
Trees; fruit.....	34, 36	R	962
Waterpower.....	83	S	1905

Sturgeon r., Sturgeon l. to English r.,

Ont.			
Character.....	11	R	992
	15	R	1059
	49	S	1907
Pot-holes; striae.....	48, 51	R	1059
Rocks.....	18	R	992
	30-33, 38, 43	R	1059
Soil.....	16, 50	R	1059
Waterpower.....	23	R	992

- Sturgeon Falls**, Springer tp., Ont.
Altitude; soil.....29, 30, 277 R 962
- Sturgeon Lake Gold Mining Co.**..... 7, 57 R 1059
- Sturgeon-weir r.**, Cumberland l., Sask.
Rocks..... 87, 88 S 1908
- Sturt bay**, Texada is., B.C.
Copper; marble; iron.....16, 44, 55 R 996
48, 49 S 1908
- Stutzer, O.**..... 3, 26 S 1908
- Styles bk.**, Cumberland co., N.S.
Rocks..... 144 S 1908
370 S 1912
- Styles colliery**, Springhill coal field, N.S.
Coal, anal..... 78 R 1035
Geol. in vicinity of..... 226 S 1909
- STYRACOSAURUS**
Red Deer r., Alta.....294, 297, 298 S 1913
117 S 1914
- SUBRETEPORA**
Mansfield tp., Que..... 64 R 977
- SUBULITES**
New York state, U.S..... 345 S 1912
Ottawa valley, Ont. and Que.....53, 55, 58 R 977
Simcoe area, Ont..... 163 S 1909
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256, 259, 260 S 1911
- Suburban copper claim**, McIntyre ck., Lewes r., Ykn..... 37 R 1050
- Success galena claim**, Cadwallader ck., B.C..... 82 S 1915
- SUCCINEA**
Patricia dist., Ont..... 52 R 1080
- Sucker bay**, lac la Ronge, Sask..... 90 S 1908
125 S 1915
123 S 1915
- Sucker ck.**, Athabaska l., Sask..... 111 S 1905
- Sucker l.**, Templeton gore, Que..... 111 S 1905
- Sudbury**, McKim tp., Ont.
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Physical features..... 48 R 961
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nickel, rept. by Barlow..... R 961
Onaping sheet.....244-252 S 1911
Rocks..... 52, 69 R 961
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49 R 961
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- Sudbury dist.**, Ont.
SEE Onaping l., Sudbury nickel reg.; Wanapitei l.; and the various tps.
- Sudbury nickel reg.**, Sudbury dist., Ont.
Nickel-copper deposits
notes by Young.....18, 80, 92-94 R 1085
radioactive minerals absent..... 93 S 1914
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Palladium and platinum..... 73 R 928
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81 R 1085
- Sudbury series**
SEE ALSO Copper Cliff arkose; McKim greywacke
Onaping L. area, Ont.....308, 309 S 1912
- Sue l.**, Graham is., B.C..... 38 S 1913
- Suffield**, Ascot tp., Que..... 23 R 974
- Suffield**, Medicine Hat dist., Alta.
Gas well..... 45 S 1909
129 S 1916
- Suffield copper m.**, Ascot tp., Que... 11, 23 R 974
40, 47 R 1085
161 S 1906
28 R 982
- Sugarloaf hill**, Windy Arm dist., Ykn.
Gold mg. SEE Big Thing
Rocks..... 28 R 982
- Sugarloaf mt.**, near Antigonish, N.S.
Rocks.....239-242 S 1910
- Sugarloaf mt.**, Campbellton, N.B.
Altitude..... 9 R 983
- Sugarloaf mt.**, near Malignant Cove, N.S.
Rocks.....239-242 S 1910
- Sugarloaf mt.**, Potton tp., Que.
Rocks..... 28 R 974
- Sukwash.** SEE Suquash
- Sullivan ck.**, Columbia r., B.C.
Magnetite prospecting near..... 62 S 1906
- Sullivan galena m.**, Sullivan hill, Kimberley, B.C.
Description..... 138 S 1909
Lead production..... 64 R 971
Notes by Schofield.....120, 132 S 1910
- Sullivan glacier**, Atlin mg. div., B.C.
Rate of advance..... 29 S 1913
- Sullivan hill**, N. of Kimberley, B.C.
Galena. SEE Sullivan galena m.
- Sullivan is.**, Ottawa r., Ont.
Rocks..... 20 R 977
- Sullivan l.**, S. of Battle r., Alta.
Coal near. SEE Castor
- Sullivan mt.**, Saltspring is., B.C.
Magnetite..... 101 S 1909
- Sulph-antimonides**
Windy arm, Ykn..... 28 R 971
- Sulph-arsenide of iron**
SEE Mispickel
- Sulph-arsenide of nickel**..... 142 R 961
- Sulph-arsenide of silver**..... 28 R 971
- Sulphate of ammonia**
SEE Ammonium sulphate
- Sulphate of copper**
SEE Copper sulphate
- Sulphate of iron**
SEE Copperas
- Sulphide deposits**
SEE ALSO Pyrrhotite, Pyrite, Pentlandite, Millerite, etc.
Athabaska l., Sask.....122-124 S 1915
Kimberley area, B.C..... 163 S 1911
L. Superior, N. shore..... 20 R 1081
Lardeau mg. div., B.C..... 88 S 1907
Moresby is., B.C..... 77, 78 S 1909
Opasatika L. reg., Que..... 123 S 1908
Portland Canal mg. div., B.C..... 74 S 1910
45-49, 53, 60-68 S 1911
Rossland dist., B.C.....17, 21, 23 R 939
29 R 971
Schist L. area, Man.....165, 166 S 1916
Sudbury nickel reg., Ont.....
36, 38, 67, 88, 118, 122 R 961
Texada is., B.C.....42, 54, 55 R 996
Vancouver is., B.C..... 58 S 1908
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Yale mg. div., Skagit area, B.C...121-123 S 1911
Yukon, Whitehorse dist..... 23 R 1050
- Sulphide ck.**, Unuk r., B.C.
Gold..... 51, 52 S 1905
- Sulphur**
SEE ALSO Sulphur springs
Affinity for metals in magma..... 127 R 961
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Ontario, eastern, notes by Young... 98 R 1085
Sudbury nickel reg...38, 114, 136, 188-191 R 961
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Sulphur ck., Fiddle r., Athabaska r., Alta.			
Coal.....	211	S	1911
*Water, analysis.....	154, 167	S	1910
Sulphur ck., Indian r., Yukon r., Ykn. 13,	34	R	979
	21	S	1906
Sulphur mt., near Banff, Alta.			
Mineral water.....	167	S	1912
Sulphur pt., Gt. Slave l., Alta.			
Water, analysis.....	143	S	1916
Sulphur range, Cascade coal basin, Alta.			
	12	R	949
Sulphur r., Smoky r., Peace r., Alta.			
Coal; rocks.....	87, 91	S	1916
Sulphur springs			
SEE ALSO Mineral water			
Banff, Alta., notes.....	167	S	1912
Jasper park, Alta....	150, 153, 154, 166,		
	167	S	1910
	204	S	1911
	147	S	1915
London, Ont.....			
Sulphuric acid			
Cost of, in Scotland.....	47	R	55
Gypsum formed by action of.....	120	R	983
Imports of, 1904.....	13	R	928
1905.....	13	R	971
Industry, eastern Ont.....	98	R	1085
Eastern Tps., Que.....	33	R	971
	160	S	1906
	189	R	961
Sudbury nickel reg.....	188,		
Recovery from oil-shale.....	46	R	55
Sultana gold m., L. of the Woods, Ont.			
Ore deposits.....	87	R	1085
Sultana nickel m., Drury and Trill tps., Ont.			
	87	R	961
Sumallo r., Skagit r., B.C.			
Copper-gold; rocks.....	115, 118-120	S	1911
Sumas mt., New Westminster mg. div., B.C.			
Brick-clay.....	178	S	1910
	287	S	1912
Rocks.....	114	S	1912
Summerdale, Saskatoon dist., Sask.			
Agriculture, notes on.....	83	S	1906
Summerhill, Cambria co., Pa., U.S.			
Coal, anal.....	95	R	1035
Summerland, Okanagan l., B.C.			
Platiniferous peridotite.....	6	S	1910
Summers ck., Allison ck., Similkameen r., B.C.			
Coal; rocks.....	30, 32	R	986
	49	S	1906
Summerside, Prince co., P.E.I.			
Rocks.....	148	S	1908
Summerville, Nicholas co., W. Virginia, U.S.			
Coal, anal.....	98	R	1035
Summerville, Queens co., N.S.			
Sand beach.....	252	S	1913
Summit camp, head of Tulameen r., B.C.			
Geology and ore deposits.....	114	S	1909
	118, 119	S	1910
Summit colliery, Lexington, Missouri, U.S.			
	89	R	1035
Summit ck., Nansen ck., Nisling r., Ykn.			
	25	S	1914
Summit ck., Zymoetz r., B.C.			
ADDENDA	1	R	938
	19	S	1907
Summit gold claim, between Alexander and Tyaughton cks., B.C.			
	207	S	1912
Summit l., Lewes r., Ykn.			
Placer mining.....	14	S	1907
Summit l., Riddell tp., Ont.			
Altitude; notes; striae.....	135, 241, 279	R	962
Summit series			
Correlation; stratigraphy.....	58-63	S	1916
Sun, Fayette co., W. Virginia, U.S.			
Coal, anal.....	98	R	1035
Sunbeam gold claim, Glacier ck., Portland canal, B.C.			
	68	S	1910
	61, 66	S	1911
Sunbury co., N.B.			
Early geological work in.....	39, 40	R	983
Fossils.....	275	S	1910
Rocks.....	28, 35	R	983
Sundance canyon, Banff, Alta.			
	294	S	1916
Sundance series			
Rocks and fossils.....	21	R	1035
Sunday ck., Similkameen r., B.C.			
Rocks.....	47	S	1906
Sunday galena-zinc m., Ottetail r., B.C.			
Description; ore.....	182, 185	S	1911
Sunken l., Kings co., N.S.			
Anticline.....	151	S	1908
Sunnyside, L. Kipawa, Que.			
Rocks near.....	208	R	962
Sunnyside gold m., E. of Hedley, B.C.			
Gold production.....	116	S	1910
Ores; rocks; operations.....	27-30	S	1907
	61	S	1908
	114, 115	S	1910
Sunrise copper claim, Quadra is., B.C.			
Notes and developments.....	64, 72, 73	S	1913
Sunrise ck., Telkwa r., B.C.			
Mineral claims; rocks.....	20	R	988
	40	S	1906
Sunrise galena m., Ninemile mt., near Hazelton, B.C.			
Ore-body; stripping.....	66	S	1909
	92, 98	S	1910
Sunrise gold claim, Stevens mt., Wheaton R. dist., Ykn.			
	52	S	1909
	44	S	1915
Sunset copper claim, Allenby mt., Similkameen mg. div., B.C.			
	14, 15, 35	R	986
	51	S	1906
Sunset copper m., Deadwood camp, Nelson mg. div., B.C.			
	128, 129	S	1910
Sunset galena m., N. of Carpenter ck., Slocan l., B.C.			
	68	S	1908
	133	S	1909
	126-128	S	1910
Sunshine ck., Isaac ck., Donjek r., Ykn.			
Gold prospecting.....	29	S	1916
Superficial deposits			
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Recent deposits			
Central provinces, Sum. rept. by Chalmers.....	67-69	S	1905
Superior copper m., Gaudette tp., Ont.			
	163	S	1906
Superior Coal Co.			
	226	S	1911
Superior Coal Co. (Ohio)			
	91	R	1035
Suquash, Comox div., V.I.			
Coal, anal.....	73	R	1035
geology.....	106, 107	S	1911
Sure Thing galena m., N. Seaton ck., Carpenter ck., Slocan l., B.C.			
	126	S	1910
Surf Inlet gold m., Princess Royal is., B.C.			
Report and map.....	64-66	S	1912
Surprise copper m., N. of Davis bay, Texada is., B.C.			
	39	R	996
Surprise galena m., Reco mt., Slocan mg. div., B.C.			
	67	S	1908
	133	S	1909
	126-128	S	1910
Surprise gold-copper claim, Rossland, B.C.			
	23	S	1908

*The report refers to this creek as Hot Springs ck.

Surprise mts., Texada is., B.C.			
Glaciation.....	48	S	1908
Survey mt., Duncan map-area, V.I.			
Altitude.....	43	S	1912
Susanne ck., Similkameen r., B.C.			
Character.....	26	S	1907
Suskwa r., Bulkley r., B.C.	92	S	1910
Sussex, Kings co., N.B.			
Albert shales.....	11, 20	R	1107
	134	S	1908
	207	S	1909
Brick-clay.....	66	R	953
	127	R	983
Clay of, properties.....	234	S	1911
Devonian.....	56	R	983
	75	S	1907
Gypsum; manganese.....	95, 96, 122	R	983
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Salt springs.....	123, 129	R	983
Sustut r., Skeena r., B.C.			
Coal; rocks.....	77, 78, 91, 100, 101	S	1912
Sutherland, D. H.	148	S	1915
Sutherland coal m., Souris r., Sask.	53, 65	R	1035
Sutter ck., Tulameen r., B.C.	118, 119	S	1910
Suttler gold claim, Dublin gulch,			
Haggart ck., Ykn.....	14, 15	S	1916
Sutton bay, Timiskaming l., Ont.			
Rocks; sandy flat; striae.....	26, 125, 133, 173, 199	R	962
Sutton formation			
Correlated with Nicola group.....	135	S	1912
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	81, 89-91, 101	S	1913
for lime and cement.....	53	S	1912
	86, 104	S	1913
Sutton is., Dolphin and Union strait,			
Mack.....	334	S	1916
*Sutton l., N. of Ekwan r., Ont.			
Fish.....	24, 25	S	1910
Rocks.....	16, 32	R	1080
Sutton map-area, Ont.			
Compilation of map, notes.....	294	S	1912
	137, 138	S	1915
Sutton mountain, Brome co., Que.			
Altitude.....	31	R	1085
	230	S	1916
Anticline.....	184	S	1909
	210	S	1910
Copper.....	21	R	974
	287, 288, 290	S	1911
Rocks.....	18, 36	R	974
	187	S	1909
	210	S	1910
	231	S	1916
Sutton tp., Brome co., Que.			
Rocks.....	9	R	974
Sutton Mountain anticline.....	212, 213	S	1913
	98	S	1914
Sutton Mountain copper belt,			
Eastern Tps., Que.....	9, 24	R	974
Sutton Mountain series			
Eastern Tps., Que.....	210	S	1910
	288	S	1911
Sverdrup is., Franklin			
Altitude; rocks.....	104, 105	R	1085
Swamp(s). SEE Muskeg			
Swan gold claim, Granite ck., Tula-			
meen r., B.C.	16	R	986
Swan l., Riding mt., Man.			
Brine; rocks.....	77	S	1914
Fossils.....	256	S	1912
Swan r., Swan l., Riding mt., Man.			
Coal, anal.....	66	R	1035
Salt.....	260	S	1912
Swastika, Teck tp., Ont.			
Prospecting for radioactive minerals.....	92	S	1914
Swazee falls, Niagara r., Ont.			
Description.....	423	R	970
Swede copper claims, near Lockeport,			
Moresby is., B.C.	78, 79	S	1909
Swede-American silver claim, Bitter			
ck., Bear r., Portland canal, B.C.	81	S	1910
Sweden			
SEE ALSO Scandinavia			
Nickel.....	125, 144, 169, 213	R	961
Sweet Grass galena m., Goat mt.,			
Slocan l., B.C.	125, 126	S	1910
Sweet Grass hills, Montana, U.S.			
Rocks.....	30	R	968
	45	S	1914
	78	S	1916
Sweetsburg, Dunham tp., Que.			
Limestone; shore-line.....	357	S	1912
	99	S	1914
Swift Current, Swift Current dist.,			
Sask.			
Coal underlying plateau of.....	42	R	1035
Photo of road near.....	FACING 106	R	1085
Swift-drift pt., Niagara r., Ont.	107, 116, 163	R	970
Swinging hill, near Opatatika l., Que.			
Altitude; rocks.....	121, 123	S	1908
Switching r., Little Churchill r., Man.			
Volume.....	100	S	1906
Switzerland			
Nickel.....	171, 224	R	961
Sydenham, Loughborough tp., Ont.			
Mica.....	99, 100	R	1085
Sydenham r., St. Clair l., Ont.			
Devonian shales.....	195	S	1910
Gravel for roads.....	90	S	1914
Sydney, Cape Breton co., N.S.			
Boring for oil near.....	40	R	1107
	138	S	1908
	392	S	1912
Carboniferous.....	391, 266	S	1913
	240	S	1909
Clay.....			
Coal. SEE Sydney coal field			
Coking plant.....	111	R	971
Fossils.....	393	S	1912
Hematite.....	149	S	1908
Photo of park.....	FACING 38	R	1085
Striae.....	245	S	1913
Sydney, New South Wales, Australia			
Coal, anal.....	33	R	1107
Sydney coal field, Cape Breton co.,			
N.S.			
Clay beds.....	241, 242	S	1909
Coals, anal.....	79-81	R	1035
	5, 8	R	1021
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	55	R	1085
Notes by Young.....			
Section.....	37	R	1085
Sydney ck., Montreal r., Willison tp.,			
Ont.			
Geology of area.....	170	S	1909
Sydney harbour, Cape Breton co.,			
N.S.			
Anticline near.....	121	S	1905
Coal, anal.....	81	R	1035
Shale beds.....	242	S	1909
Sydney Coal Co.	92, 100	R	928
Sydney Mines, Cape Breton co., N.S.			
SEE Nova Scotia Steel and Coal Co.			
Syenite			
Alaska-Yukon boundary.....	32	S	1911
Burrard inlet, B.C.....	29	R	996
Eastern Tps., Que.....	17, 19, 34	R	974
	64	R	1085
Franklin camp, B.C.....	136	S	1911
Gowganda mg. div., Ont.....	34	R	1075
Ice R. dist., B.C., for building.....	143	S	1910

* Not Sutton Mill l.

Syenite (Continued)

L. Superior, N. shore.....	13, 16, 17	R 1081
Monteregian hills, Que.....	114	S 1905
Nagagami r., Ont.....	28	R 980
New Westminster mg. div., B.C....	32	S 1906
Nipigon L. reg., Ont.....	104	S 1906
Rossland dist., B.C.....	17, 20-22, 26	R 939
St. Bruno mt., Que.....	114	S 1905
Similkameen mg. div., B.C.....	47, 48	S 1906
Sturgeon r., L. Nipissing, Ont.....	83	S 1905
Timiskaming reg., Ont. and Que....	76	R 962
	23, 24	R 1064
Wanapitei r., Ont.....	83	S 1905

Syenite, alkaline

Corundum associated with.....	101	R 1085
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*This place is now Battersea village

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Webbwood, Hallam tp., Ont.			
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Askin.....	Nipissing	Clarendon.....	Frontenac
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Augusta.....	Grenville	Cole.....	Timiskaming
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Fraser.....	Renfrew	Knight.....	Timiskaming
Frater.....	Sudbury	Lampman.....	Sudbury
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Gamble.....	Timiskaming	Lawson.....	Timiskaming
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Garrow.....	Nipissing	Leckie.....	Timiskaming
Garson.....	Sudbury	Leeds.....	Leeds
Gaudette.....	Algoma	Leith.....	Timiskaming
Georgina.....	York	Leo.....	Timiskaming
Gillies.....	Thunder Bay	Leonard.....	Timiskaming
Gladman.....	Nipissing	Levack.....	Sudbury
Glanford.....	Wentworth	Lewis.....	Algoma
Glenelg.....	Grey	Lobo.....	Middlesex
Gloucester.....	Carleton	Logan.....	Perth
Goderich.....	Huron	London.....	Middlesex
Gooderham.....	Nipissing	Longueuil.....	Prescott
Gosfield.....	Essex	Lorne.....	Sudbury
Graham.....	Sudbury	Lorrain.....	Timiskaming
Grant.....	Nipissing	Loughborough.....	Frontenac
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Grattan.....	Renfrew	Lumsden.....	Sudbury
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Middleton.....	Norfolk	Rolette.....	Montmagny
Milne.....	Nipissing	Ross.....	Renfrew
Milner.....	Timiskaming		
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Mono.....	Dufferin	St. Vincent.....	Grey
Montrose.....	Timiskaming	Salter.....	Sudbury
Moore.....	Lambton	Saltfleet.....	Wentworth
Morel.....	Timiskaming	Sandwich.....	Essex
Morgan.....	Sudbury	Sarawak.....	Grey
Mornington.....	Perth	Sarnia.....	Lambton
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Moulton.....	Haldimand	Scoble.....	Thunder Bay
Mulmur.....	Dufferin	Scholfield.....	Algoma
Muskego.....	Sudbury	Sebastopol.....	Renfrew
		Selkirk.....	Sudbury
Nairn.....	Sudbury	Seneca.....	Haldimand
Nassagaweya.....	Halton	Seymour.....	Northumberland
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Nelson.....	Halton	Shefford.....	Shefford
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Nipigon.....	Thunder Bay	Snider.....	Sudbury
Nissouri, West.....	Middlesex	Snowdon.....	Haliburton
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Normanby.....	Grey	South Lorrain.....	Timiskaming
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		Sproule.....	Nipissing
Ogilvie.....	Sudbury	Stafford.....	Renfrew
Olden.....	Frontenac	Stamford.....	Welland
Olrig.....	Nipissing	Stanley.....	Huron
Oneida.....	Haldimand	Storrington.....	Frontenac
Onondaga.....	Brant	Strathcona.....	Nipissing
Orillia.....	Simcoe	Strathy.....	Nipissing
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Parker.....	Sudbury	Thurlow.....	Hastings
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Wainfleet.....	Welland	Willison.....	Timiskaming
Walls.....	Algoma	Willoughby.....	Welland
Walpole.....	Haldimand	Wilmot.....	Waterloo
Walsingham.....	Norfolk	Wisner.....	Sudbury
Waterloo.....	Waterloo	Woodhouse.....	Norfolk
Waters.....	Sudbury	Worthington.....	Rainy River
Westmeath.....	Renfrew	Yarmouth.....	Elgin
Westminster.....	Middlesex	Yarrow.....	Timiskaming
Whigham.....	Sudbury	Yates.....	Nipissing
Whitby.....	Ontario	York.....	York
Whitechurch.....	York	Zealand.....	Kenora
Whitney.....	Timiskaming (now Cochrane)	Zone.....	Kent

*Quebec

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Alleyn.....	Pontiac	Dufay.....	Timiskaming
Amherst.....	Hull	Duhamel.....	Timiskaming
Ascot.....	Sherbrooke	Dunham.....	Missisquoi
Ashuapmouchouan.....	Lake St. John dist.	Durham.....	Drummond
Aumond.....	Hull	Eardley.....	Hull
Aylwin.....	Hull	Egan.....	Hull
Baby.....	Timiskaming	Elgin.....	Huntingdon
Barnston.....	Stanstead	Ely.....	Shefford
Bois.....	Portneuf	Emberton.....	Compton
Boischatel.....	Timiskaming	Evanturel.....	Champlain
Bolton.....	Brome	Fabre.....	Timiskaming
Bousquet.....	Timiskaming	Farnham.....	Brome and Missisquoi
Bowman.....	Hull	Frampton.....	Dorchester
Briant.....	Hull	Garthby.....	Wolfe
Bristol.....	Pontiac	Gayhurst.....	Frontenac
Brome.....	Brome	Gendreau.....	Timiskaming
Brompton.....	Richmond	Granet.....	Timiskaming
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Cloutier.....	Champlain	La Reine.....	Timiskaming
Coleraine.....	Megantic	La Sarre.....	Timiskaming
Cranbourne.....	Dorchester	Launay.....	Timiskaming
Dasserat.....	Timiskaming	Laverlochère.....	Timiskaming
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*In this Index the townships included in what has lately been made the electoral district of Papineau, are entered as in Hull county. The following townships are in Papineau electoral district;

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Low.....	Hull	Sicotte.....	Hull
Lytton.....	Hull	Spalding.....	Beauce
Magog.....	Stanstead	Stanstead.....	Stanstead
Malartic.....	Timiskaming	Stoke.....	Richmond
Maniwaki.....	Hull	Stratford.....	Wolfe
Manneville.....	Timiskaming	Stukely.....	Shefford
Mansfield.....	Pontiac	Sutton.....	Brome
Marlow.....	Frontenac	Tabaret.....	Timiskaming
Marston.....	Frontenac	Tadoussac.....	Saguenay
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Matane.....	Matane	Templeton.....	Hull
Melbourne.....	Richmond	Thetford, S.....	Megantic
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Métabetchouan.....	Lake St. John	Tingwick.....	Arthabaska
Montbeillard.....	Timiskaming	Tourelle.....	Gaspé
Nedellec.....	Timiskaming	Trecesson.....	Timiskaming
Newton.....	Vaudreuil	Tring.....	Beauce
Northfield.....	Hull	Upton.....	Bagot
Onslow.....	Pontiac	Wakefield.....	Hull
Orford.....	Sherbrooke	Waltham.....	Pontiac
Pascalis.....	Timiskaming	Warwick.....	Arthabaska
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Potton.....	Brome	Wendover.....	Drummond
Roberval.....	Lake St. John	Whitton.....	Frontenac
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Rouyn.....	Timiskaming	Windsor.....	Richmond
Roxton.....	Shefford	Woburn.....	Frontenac
Royal-Roussillon.....	Timiskaming	Wolfestown.....	Wolfe
		Woodbridge.....	Kamouraska
		Wotton.....	Wolfe

GEOLOGICAL SURVEY

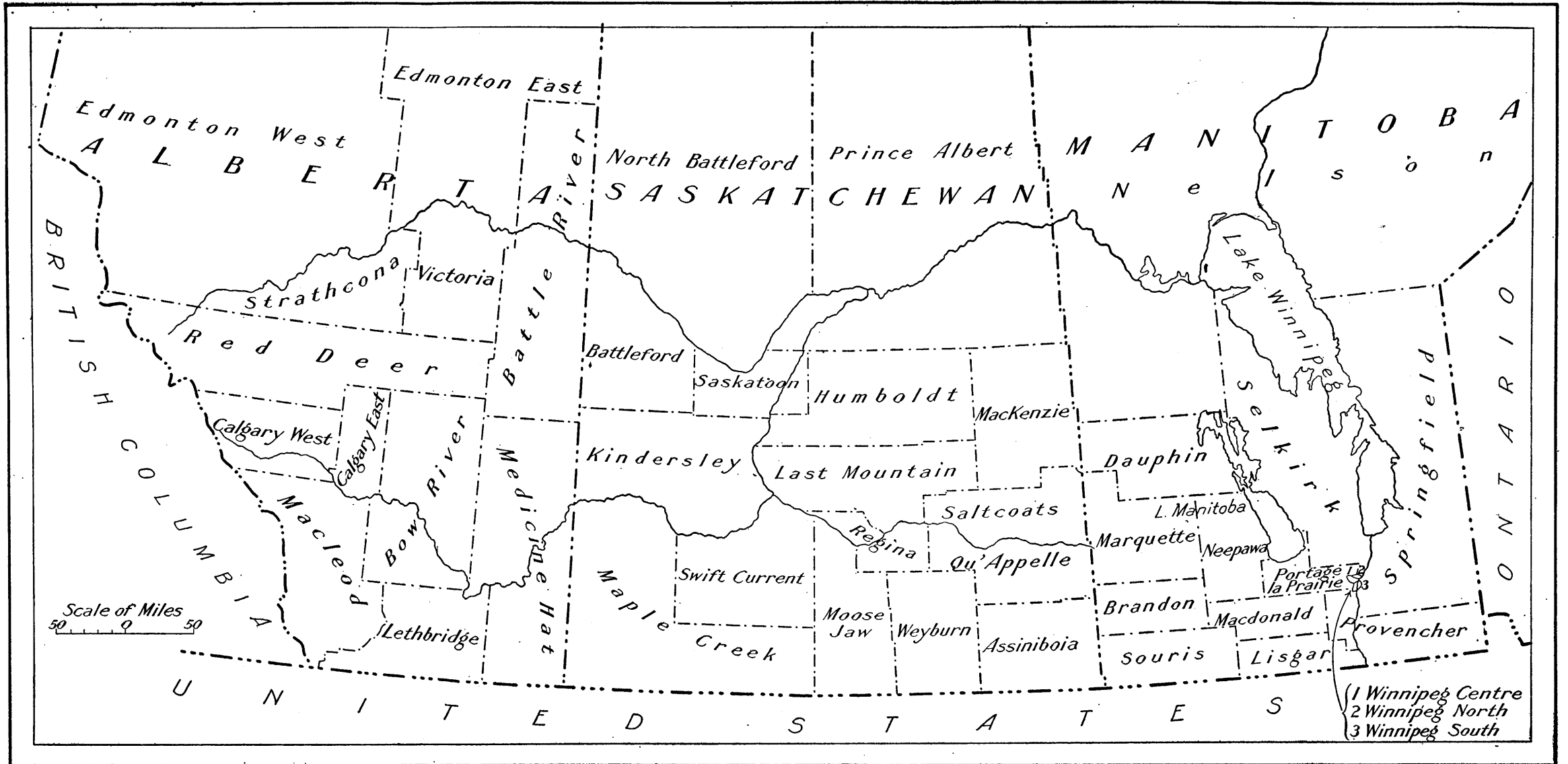
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 1005 Elmsdale geological sheet, No. 66, Halifax and Lunenburg cos., N.S.
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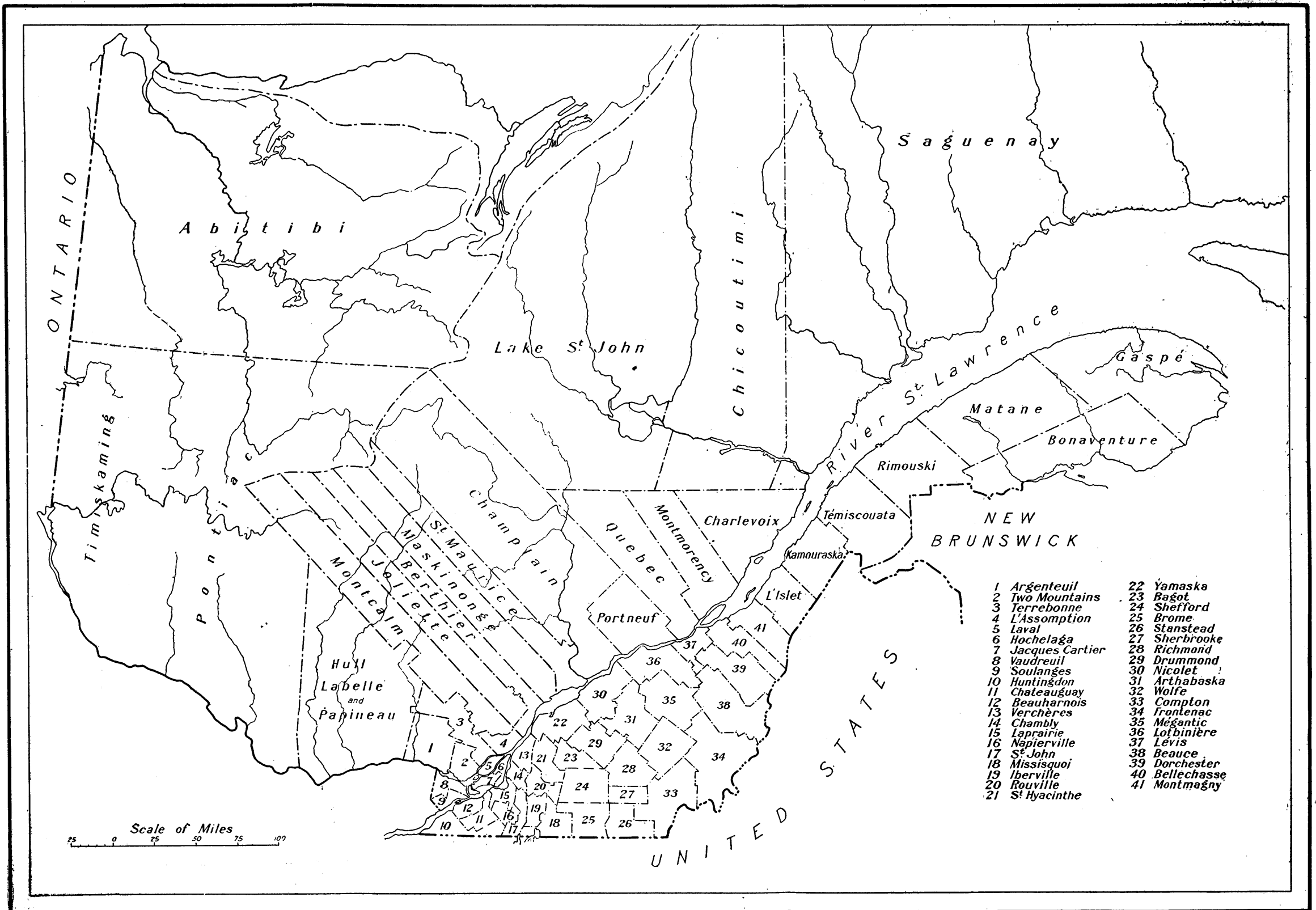
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Geological Survey, Canada.

Central Provinces, electoral districts.

To accompany Index, 1905-1916,



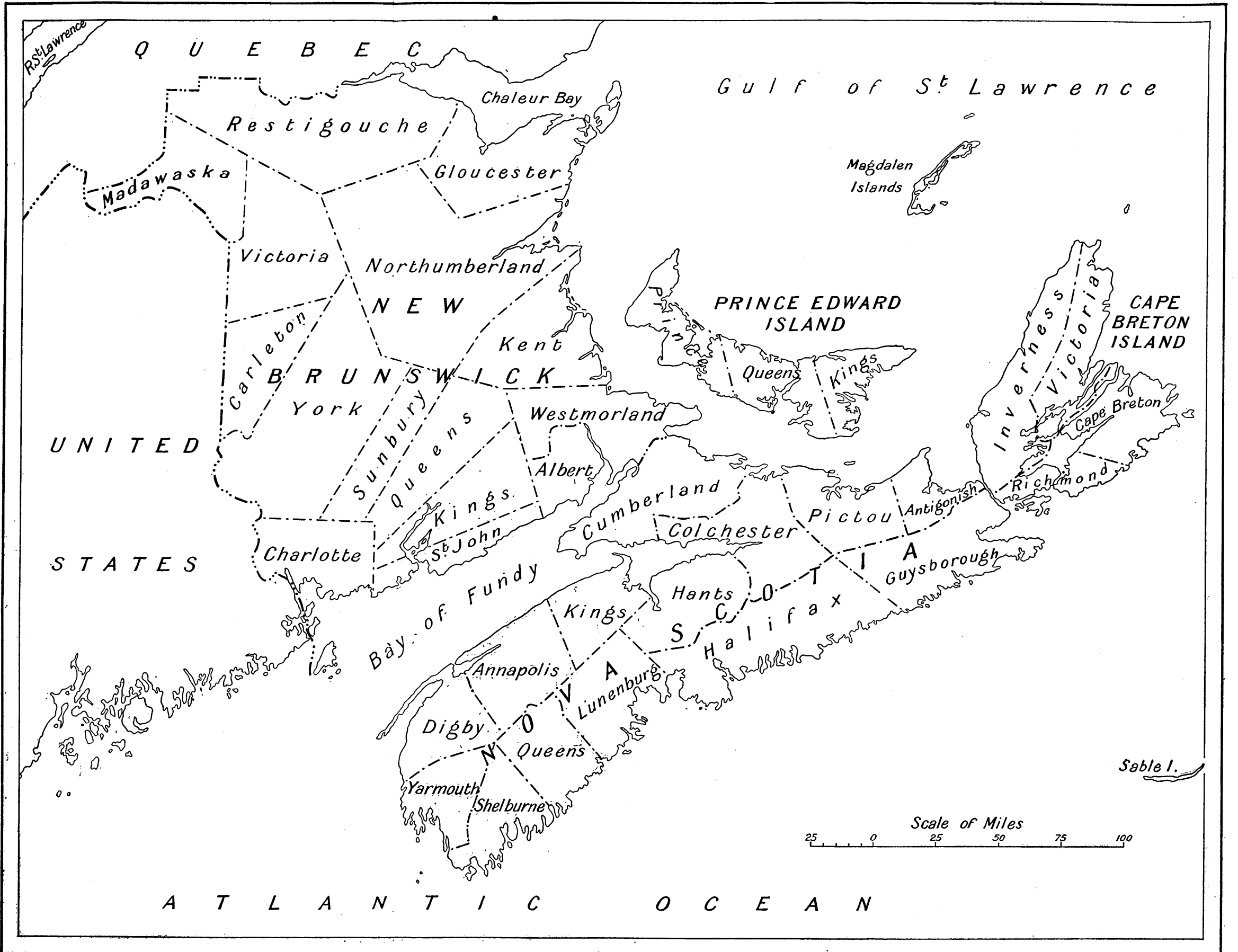
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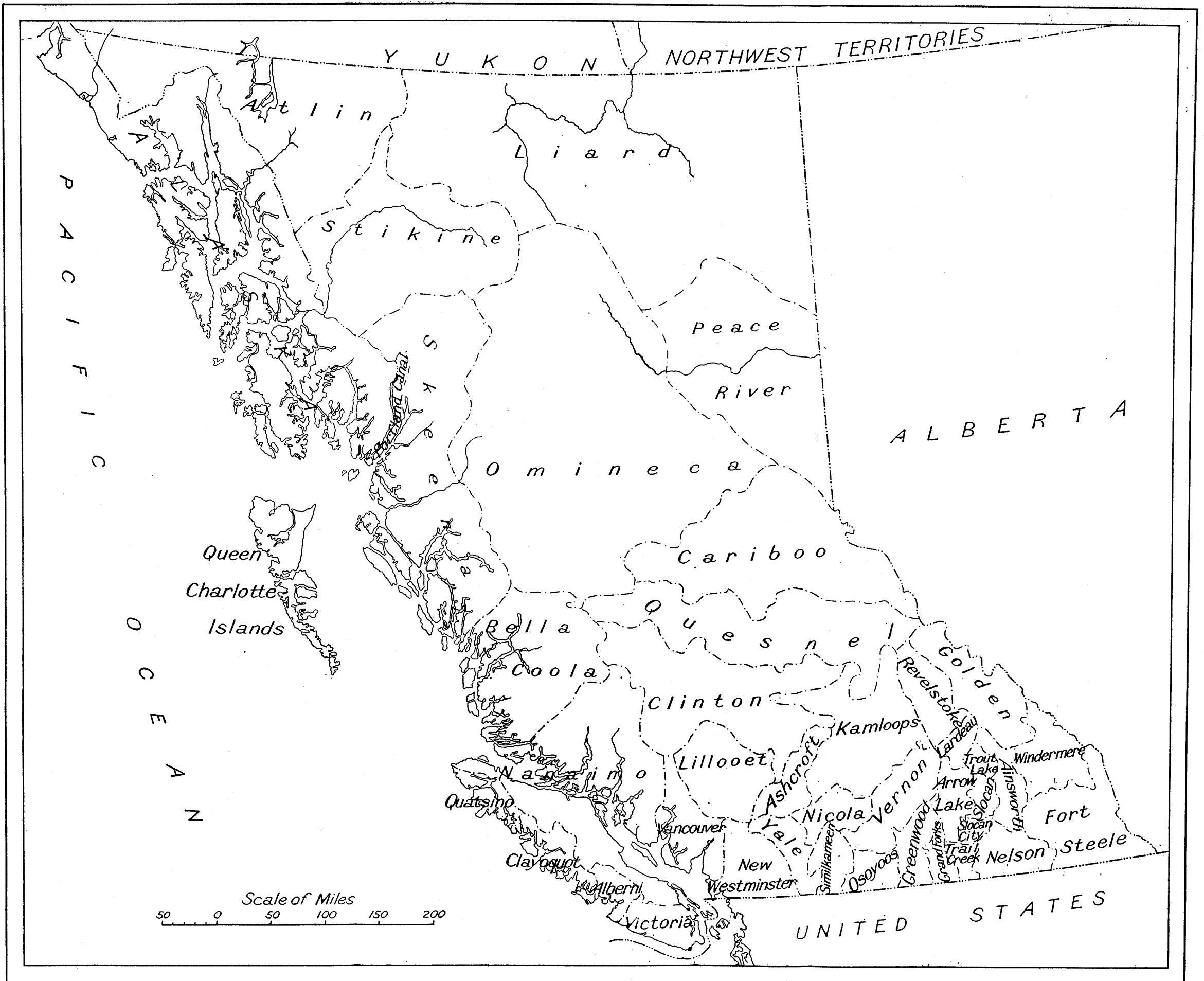


Geological Survey, Canada.

To accompany Index, 1905-1916.

Ontario, counties and districts.





Geological Survey, Canada.

British Columbia, mining divisions.

To accompany Index, 1905-1916