

GEOLOGICAL SURVEY OF CANADA

A. P. LOW, DEPUTY HEAD AND DIRECTOR

---

CATALOGUE OF PUBLICATIONS

OF THE

GEOLOGICAL SURVEY OF CANADA

MUSEUM AND OFFICES

SUSSEX STREET, OTTAWA



OTTAWA  
GOVERNMENT PRINTING BUREAU  
1906

No. 956

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## TABLE OF CONTENTS.

	PAGE.
Part I. List of the publications in the Reports of Progress and Annual Reports.....	13
" II. List of publications arranged according to locality....	51
" III. List of publications arranged under the authors' names.	69
" IV. List of publications relating to .....	85
(a) Economics.....	87
(b) Palæontology.....	87
(c) Ethnology and Archæology .....	91
(d) Zoology .....	92
(e) Botany .....	93
" V. List of principal Reports included in the Summary Reports since 1885.....	95
" VI. List of Reports on Economic Substances included in the Reports of the Mines Section.....	103
" VII. Maps .....	107
General.....	109
British Columbia.....	109
Yukon.....	111
North-west Territories.....	112
Manitoba.....	112
Ontario .....	113
Quebec.....	115
North-east Territories and Keewatin.....	117
Nova Scotia.....	118
New Brunswick and Prince Edward Island.....	120
Index.....	123

### NOTE.

All Lists of Publications of the Geological Survey except the present one are out of print.





OTTAWA, ONT., June 11, 1906.

A. P. Low, Esq.,  
Director of the Geological Survey.

SIR,—Acting on your instructions, I have compiled, and now beg to hand you, a complete catalogue of the publications of this Department.

I have the honour to be, sir,

Your obedient servant,

F. J. NICOLAS,  
*Editor.*



# THE PUBLICATIONS

OF THE

## GEOLOGICAL SURVEY OF CANADA

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The principal series of publications of the Geological Survey consists of volumes issued under the name of Reports of Progress, from 1843 to 1882-84, and continued under the name of Annual Reports (New Series) from 1885. Since 1885, after the close of each calendar year, a Summary Report by the Director has been issued separately, as has also each report included in the several volumes. All the above mentioned reports, with the accompanying maps, as also the Geology of Canada (1863) and the Geological Map of Canada (1866), are enumerated chronologically in the first portion of this catalogue.

Copies of the Reports of the Geological Survey are distributed at the time of publication to members of both Houses of Parliament, and to the departmental and other offices of the Dominion and Provincial Governments.

The publications are also distributed as scientific exchanges, and are sent to the more important libraries, institutions of learning, &c., in Canada and other countries. It is desired, as far as possible, to have the Reports of the Survey available for reference to the public in some permanent library in every important centre in Canada.

The remaining portion of the edition is, in each case, placed on sale, at prices generally less than the actual cost of printing, but a copy will be sent free to any bona fide applicant in Canada who may be interested in the district to which the report refers.

The Librarian will be happy to supply information as to reports or maps covering particular districts or relating to special subjects when this can not be obtained from the list of publications.

Publications may be obtained directly from the Librarian, Geological Survey offices, Ottawa, or may be ordered through:—

W. Foster Brown & Co., Montreal, Que.  
C. H. Thorburn, Ottawa, Ont.  
W. Tyrrell & Co., Toronto, Ont.  
J. A. Knight & Co., Halifax, N.S.  
J. A. McMillan, St. John, N.B.  
T. N. Hibben & Co., Victoria, B.C.  
Alex. Taylor, Winnipeg, Man.  
Thomson Bros., Vancouver, B.C.  
Thomson Bros., Calgary, Alta.  
Edward Stanford, 26 and 27 Cockspur St., Charing Cross, London.  
F. A. Brockhaus, Leipzig.  
Lemcke & Buechner, 812 Broadway, New York.  
The Scientific Publishing Co., 253 Broadway, New York.

A. P. LOW,  
*Deputy Head and Director.*

Acts respecting the Department of The Geological Survey (53 Victoria, Chap. 11 and 62-63 Victoria, Chap. 21.)

[Assented to 16th May, 1890 and 11th Aug., 1899.]

HER Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

1. In this Act the expression "Department" means the Department of the Geological Survey hereby constituted.

2. There shall be a Department of the Civil Service which shall be called "The Geological Survey," over which the Minister of the Interior shall preside; and the said Minister shall have the management and control of the Department.

3. The Governor in Council may appoint an officer who shall be the Deputy Head and Director of the Department and such other officers, clerks and servants as are required for the proper conduct of the business of the Department, all of whom shall hold office during pleasure, and shall be appointed and classified under Schedule A of "*The Civil Service Act*"; and in accordance with and under the terms of Section six of the said Act.

(2.) Such officers of the Department as are continuously engaged in the prosecution of original scientific work or investigation shall be classified as technical officers, under class (b) of Schedule A of "*The Civil Service Act*," and the Governor in Council may cause to be prepared a list of such officers of the Department as are considered to be entitled to be thus classified with any designations that may be deemed expedient to indicate the scientific work in which they may be engaged.

4. No person shall, after the passing of this Act, be appointed to this Department under class (b) of Schedule A of "*The Civil Service Act*," unless—

(a.) He is a Science Graduate of either a Canadian or a foreign University or of the Mining School of London or the *Ecole des Mines* of Paris or of some other recognized science school of standing equal to that of the said universities and schools, or a graduate of the Royal Military College; or unless—

(b.) He has served a probation of not less than five years in the scientific work of the Department.

"2. Any person so appointed shall be appointed on probation and shall not receive a permanent appointment until he had served a probationary term of at least one year, during which probationary period he may be rejected by the head of the department; but if he be not rejected, the deputy head shall, at the expiration of the probationary period, signify to the head of the department, in writing, that he considers the person so appointed competent for the duties of the department, and the appointment shall thereupon become permanent."

(c.) He has had experience for the same number of years in similar work, official or otherwise, elsewhere.

5. The duties, objects and purposes of the Department shall be :—

(a.) To make a full and scientific examination and survey of the geological structure, mineralogy, mines and mining resources of Canada and of its fauna and flora ;

(b.) To maintain a museum of geological and natural history and to collect, classify and arrange for exhibition in the museum of the Department such specimens as are necessary to afford a complete and exact knowledge of the geology, mineralogy and mining resources of Canada ; to collect, study and report on the fauna and flora of Canada ; to carry on chemical and palæontological investigations, and to make such other researches as will best tend to ensure the carrying into effect the objects and purposes of this Act ;

(c.) To prepare and publish such maps, plans, sections, diagrams and drawings as are necessary to illustrate and elucidate the reports of surveys and investigations ;

(d.) To collect and to publish, as soon as may be after the close of the calendar year, full statistics of the mineral production and of the mining and metallurgical industry of Canada ; to study the facts relating to water supply, both for irrigation and for domestic purposes, and to collect and preserve all available records of artesian or other wells, and of mines and mining works in Canada.

6. The Deputy Head and Director of the Department shall, as soon as may be after the close of each calendar year, make a summary report, to the Minister, of the proceedings and work of the Department for the year, and shall also furnish final and detailed reports, to be issued from time to time in such manner and form as the Minister directs ; and the Minister shall cause the same to be laid before Parliament, with such remarks, explanations and recommendations as he thinks proper.

7. The Department shall be furnished with such books, instruments and apparatus as are necessary for scientific reference and for the prosecution of the survey ; and the Governor in Council may, from time to time cause the enlargement of the museum, and the distribution of duplicate specimens to scientific, literary and educational institutions in Canada and other countries, and also the distribution or sale of the publications, maps and other documents issued by the Department.

8. The Minister may, for the purpose of obtaining a basis for the representation of the geological features of any part of Canada, cause such measurements and observations and physiographic, exploratory and reconnaissance surveys to be made as may be necessary for or in connexion with the preparation of geological maps, sketches, plans, sections or diagrams.

9. Persons employed in one section of the Department may be directed by the Minister to perform any duty in or with respect to any other section.

10. No person employed in or under the Department shall—

(a.) Purchase any Dominion or Provincial lands except under authority of the Governor in Council ;

(b.) Locate military or bounty land warrants, or land scrip, or act as agent of any other person in such behalf ;

(c.) Disclose to any person, except his superior officer, any discovery made by him or by any other officer of the Department, or any other information in his possession in relation to matters under the control of the Department or to Dominion or Provincial lands, until such discovery or information has been reported to the Minister of the Interior, and his permission for such disclosure has been obtained ;

(d.) Make investigations or reports relating to the value of the property of individuals, nor hold any pecuniary interest, direct or indirect, in any mine, mineral lands, mining works or timber limits in Canada.

11. Nothing in this Act shall be construed to invalidate or interfere with the commissions, as assistant directors, heretofore issued under Orders in Council to certain members of the scientific staff.

12. This Act shall be substituted for chapter twenty-three of the Revised Statutes, respecting the Geological and Natural History Survey of Canada, which is hereby repealed.

13. The foregoing provisions of this Act shall come into force on the first day of July, one thousand eight hundred and ninety.

## An Act to amend an Act respecting the Department of the Geological Survey (55-56 Victoria, Chap. 16.)

[Assented to 10th May, 1892.]

HER Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows :—

1. Section two of the Act fifty-third Victoria, chapter eleven, intituled *An Act respecting the Department of the Geological Survey*, is hereby repealed and the following substituted therefor :—

“2. There shall be a Department of the Civil Service which shall be called ‘The Geological Survey,’ which shall be presided over by a Minister of the Crown to be named from time to time for that purpose by the Governor in Council ; and the Minister so named shall have the management and control of the Department during the pleasure of the Governor in Council.”

2. Section ten of the said Act is hereby amended by striking out the words “of the Interior” in the twelfth line thereof.



An Act further to amend the Act respecting the  
Department of the Geological Survey (61 Victoria,  
Chap. 18.)

[Assented to 13th June, 1898.]

HER Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows :—

1. When the services of temporary assistants having special professional or technical qualifications are required in the Department of the Geological Survey, the Minister of the Crown presiding over that Department may, upon the requisition of the Deputy Head and Director of the Department employ such number of temporary assistants as are necessary, having the qualifications requisite for appointment as technical officers of the Department under section four of the *Act respecting the Department of the Geological Survey*, chapter eleven of the statutes of 1890.

2. Notwithstanding anything contained in the Civil Service Act or any Act in amendment thereof, it shall not be necessary that any person appointed a temporary assistant under the next preceding section shall have passed any examination under the *Civil Service Act*, and such person may be paid at the rate of more than four hundred dollars a year and out of moneys voted by Parliament for the contingencies of the Department or any other moneys voted by Parliament and applicable to such payment although such moneys may not have been specially voted for such purpose.

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NOTE—Reports, maps, &c., marked thus (\*) have been printed separately.

In ordering publications, they may be designated by the running numbers employed in the list.

The number of pages always refers to the English edition, unless otherwise stated.

## PART I

### REPORTS OF PROGRESS, ANNUAL REPORTS AND SUMMARY REPORTS, IN ORDER OF PUBLICATION.

1. **\*Report of Progress for 1843.** Published in English and French, Montreal, 1845. 8vo. pp. English 159, French 159. Out of print.

Contains the following Reports :—

LOGAN, W. E.—Remarks on the Mode of making a Geological Survey of Canada.

LOGAN, W. E.—Preliminary Report of Progress, 1842.

LOGAN, W. E.—Report of Progress for 1843, giving general Features of the Geology of Eastern and Western Canada as far as then ascertained.

MURRAY, A.—On the Geology of the District between Georgian Bay and the lower extremity of Lake Erie.

LOGAN, W. E.—Appendix—Section of the Coal Measures as developed at the Joggins, Nova Scotia, from the neighbourhood of West Ragged Reef to Minudie.

2. **\*Report of Progress for 1844.** Published in English and French, Montreal, 1846. 8vo. pp. English 110, French 120. Out of print.

Contains the following Reports :—

LOGAN, W. E.—On the Geology of the Chat and Cascapedia Rivers, Gaspé and part of Chaleur Bay.

MURRAY, A.—On the Geology of the Bonaventure River.

LOGAN, W. E.—Appendix—Sections of Coal Measures, etc., on Chaleur Bay and Coast of Gaspé.

3. **\*Report of Progress for 1845-46.** Published in English and French, Montreal, 1847. 8vo. pp. English 125, French 137. Out of print.

Contains the following Reports :—

LOGAN, W. E.—On the Geology of the Ottawa River and some of its Tributaries.

MURRAY, A.—On the Geology of the Matane, Ste. Anne, and St. John Rivers, Gaspé.

LOGAN, W. E.—Appendix—List of Mineral Springs on the Ottawa and its Tributaries.

HUNT, T. S.—Appendix—Analyses of Mineral waters and Iron and Lead Ores.

4. **\*Report of Progress for 1846-47.**—Published in English and French, Montreal 1847. 8vo. pp. English 66, French 70. Out of print.

Contains the following Reports :—

LOGAN, W. E.—On the Geology and Economic Minerals of Lake Superior.

MURRAY, A.—On the Geology of the Kaministikwia and Michipicoten Rivers.

Appendix—Statistics of Copper-mining and Copper-smelting in Great Britain.

5. **\*Report of Progress for 1847-48.** Published in English and French, Montreal, 1849. 8vo. pp. English 165, French, 171. Out of print.

Contains the following Reports :—

LOGAN, W. E.—On the Geology of the Country on the South Side of the St. Lawrence extending from the vicinity of Montreal and Lake Champlain to the Chaudiere River.

MURRAY, A.—On the Geology of the North Shore of Lake Huron, French River and Manitoulin Island.

HUNT, T. S.—On the Examination of various Minerals, Mineral Localities and Mineral Waters, with Analyses.

- 6. \*Report of Progress for 1848-49.** Published in English and French, Toronto, 1850. 8vo. pp. English 65, French 70. Out of print.  
Contains the following Reports :—  
MURRAY, A.—On the Geology of the vicinity of Galt, Ontario, parts of the Coast of Lake Huron and Georgian Bay and Spanish River.  
HUNT, T. S.—On Mineral Springs, Ores and Minerals, with Analyses.
- 7. \*Reports of Progress for 1849-50.** Published in English and French, Toronto, 1750.—8vo. pp. English 115, French 120. Out of print.  
Contains the following Reports :—  
LOGAN, W. E.—On the Geology of the vicinity of Bay St. Paul and Murray Bay and of the Eastern Townships, from the Chaudiere River to the Temiscouata Portage Road.  
HUNT, T. S.—On Soils, Mineral Springs, Mineral and Metallic Ores.  
Appendix—Catalogue of some of the Economic Minerals and Deposits of Canada with their Localities.
- 8. \*Report of Progress for 1850-51.**—Published in English and French, Quebec, 1852. 8vo. pp. English 55, French 56. Out of print.  
Contains the following Reports :—  
LOGAN, W. E.—On the Gold of the Chaudiere River and Vicinity.  
MURRAY, A.—On the Geology of the Peninsula between Lakes Huron and Erie.  
HUNT, T. S.—On various Minerals and Mineral Waters, with Analyses.
- 9. \*Report of Progress for 1851-52.**—Published in English and French, Quebec, 1852. 8vo. pp. English 121, French 129. Out of print.  
Contains the following Reports :—  
LOGAN, W. E.—On the Geology of the Counties of Beauharnois and Lake of Two Mountains; on the Chaudière Gold District and various Economic Materials and on the Collection sent to the Industrial Exhibition of 1851 (London), with a Catalogue of the Canadian Minerals shown at this Exhibition.  
MURRAY, A.—On the Geology of the Region between the Ottawa, the St. Lawrence and the Rideau.  
HUNT, T. S.—On various Minerals, Rocks, Soils and Mineral Waters, with Analyses.
- 10. \*Report of Progress for 1852-53.** Published in English and French, Quebec, 1854. 8vo. pp. English, 179, French 197. English edition out of print. French do price 50c.  
Contains the following Reports :—  
LOGAN, W. E.—On the Geology of the North Shore of the St. Lawrence, between Montreal and Cape Tourmente.  
MURRAY, A.—On the Geology of the Region between Kingston and Lake Simcoe.  
HUNT, T. S.—On Mineral Waters, various Minerals and Iron Ores, with Analyses.  
NOTE.—An Index of the contents of the Reports from 1843 to 1853 (incl.), has been published.
- 11. \*Report of Progress for the years 1853-54-55-56.** Published in English and French, Toronto, 1857. 8vo. pp. English 494, French, 509. Out of print.  
Contains the following Reports :—  
LOGAN, W. E.—On the Geology of the Counties of Argenteuil and Two Mountains, and on the preparation of the Geological Map of Canada. With Map No. 12.  
MURRAY, A.—Report for 1853. On the Geology and Topography of the Muskoka, Petawawa, Bonnechère and Madawaska Rivers. With Maps Nos. 30 to 38 (incl.)

- MURRAY, A.—Report for 1854. On the Geology and Topography of the Maganatawan River and Lake Nipissing and its tributaries. With Maps Nos. 24, 26, 28 and 29.
- MURRAY, A.—Report for 1855. On the Geology and Topography of Lake Nipissing and French River and on the Fossiliferous Rocks of Western Ontario. With Maps Nos. 24, 25 and 26.
- MURRAY, A.—Report for 1856. On the Geology and Topography of the Sturgeon, French and Wanapitei Rivers. With Maps Nos. 17 to 25 (incl.)
- RICHARDSON, J.—On the Island of Anticosti, and the Mingan Islands. With Map No. 13.
- BILLINGS, E.—On Fossils from Anticosti, and on New Fossils from the Silurian Rocks of Canada.
- HUNT, T. S.—Report for 1853. On the Mineral Waters of Canada, Waters of the St. Lawrence and Ottawa Rivers, Rocks and Ores, with Analyses.
- HUNT, T. S.—Report for 1854. On the Triclinic Feldspars of the Laurentian, Silurian Rocks and Nickel Ores, with Analyses.
- HUNT, T. S.—Report for 1855. On the Metallurgy of Iron, Extraction of Salts from Sea-water, Magnesian Mortars, Plumbago and Peat.
- HUNT, T. S.—Report for 1856. On the Rocks of the Silurian and Laurentian Series and Igneous Rocks, with Analyses.

*Accompanying Maps.*

12. Map showing the distribution of Crystalline Limestones of the Laurentian Series in various townships between Grenville and Rawdon. Scale 3 miles to 1 inch.  
Out of print.
13. \*Map of the Island of Anticosti. Scale 9 miles to 1 inch. Price 10c
14. \*Index Map of the Plans (Nos. 17-27, incl.) showing the Explorations on the North Shore of Lake Huron and thence eastward to the Ottawa. Scale 10 miles to 1 inch.  
Out of print.
15. \*Index Map of the Plans (Nos. 28-38, incl.) showing the Explorations between the East Shore of Lake Huron and Ottawa. Scale 10 miles to 1 inch.  
Out of print.
16. \*Atlas accompanying Report of Progress, 1853-54-55-56. Contains Maps Nos. 17 to 38 (incl.) Toronto, 1857. Large 4to. and folio, half bound.  
Out of print.

The Maps are on scale of 1 mile to 1 inch, and lithographed on sheets of twenty-two by thirty-three inches. The various sheets may be had separately. They are as follows:—

A.—Maps showing Explorations on the North Shore of Lake Huron and thence eastward to the Ottawa.

- |   |             |
|---|-------------|
| 17. *Spanish River.   | Price 10c.  |
| 18. *Spanish and Whitefish Rivers, and Lake Panache.                                | " "         |
| 19. *Mouth of the Whitefish River, and Coast of Lake Huron to Pointe des Grondines. | Price 10c.  |
| 20. *Wanapitei Lake and River, Maskinongé Lakes and River.                          | " "         |
| 21. *Wanapitei River.   | " "         |
| 22. *Wanapitei River, and lower part of French River.                               | " "         |
| 23. *Sturgeon River.  | " "         |
| 24. *Sturgeon River and western part of Lake Nipissing.                             | " "         |
| 25. *French River.  | " "         |
| 26. Eastern part of Lake Nipissing, Namanitigong River, and part of Mattawa River.  | Price, 10c. |
| 27. *Mattawa River and part of Ottawa River.  | " "         |

B.—Maps showing Explorations between the East shore of Lake Huron and the Ottawa River.

28. \*Maganatawan River to Wawaskeh Lake. Price, 10c.  
 29. \*Maganatawan River, from Wawaskeh Lake to Source. " "
30. \*Muskoka River from Lake Huron to Mary Lake, and northern part of Muskoka Lake. Price, 10c.  
 31. \*Muskoka River, from Mary Lake to Canoe Lake. " "  
 32. \*Headwaters of Muskoka and Petawawa Rivers. " "  
 33. \*Petawawa River, Cedar and Trout Lakes Price, 10c.  
 34. \*Petawawa River, " "
- C.—Maps of Bonnechère, Madawaska and York Rivers and Sources of the Otonabee.
35. \*Bonnechère River, from mouth to Golden Lake and part of Clear Lake Price, 10c.  
 36. \*Bonnechère River from Golden to Round Lake, Little Madawaska River, Lake Kamaniskak, and York River. Price, 10c.  
 37. \*York River to Papineau Lake and headwaters of Burnt River. " "  
 38. \*Drag Lake, Kashagawi Lake, Gull River and Balsam Lake. " "  
 39. \*Report of Progress for 1857. Published in English and French, Toronto, 1858. 8vo. pp. English 240, French 235 Out of print  
 Contains the following reports :—  
 LOGAN, W. E.—Summary Report of the Director.  
 MURRAY, A.—On the coast at the mouth of French River, Georgian Bay ; on Echo Lake and its environs, and on the Crystalline Limestone of Bruce Mines. With Map No. 42.  
 RICHARDSON, J.—On part of the Gaspé Peninsula from Magdalen River to Gaspé Bay, and on Lake St. John. With folding sheet of Sections and Maps Nos. 43, 44 and 45.  
 BELL, R.—On the Fauna of portions of the Lower St. Lawrence, the Saguenay and Lake St. John.
40. \*HALL, J.—Report on Canadian Graptolites. pp. 39. Out of print.  
 BILLINGS, E.—On the Black River Limestone and the Limestone of Galt. Also Silurian and Devonian Fossils.
41. \*(Pages 165 to 192 were reprinted as a separate report under the title "Silurian and Devonian Fossils of Canada," pp. 31.) Price, 10c.  
 HUNT, T. S.—On Dolomites, Limestones and Fish Manures, with analyses.  
 ASHB, E. D.—On the Longitude of some of the principal places in Canada, as determined by Electric Telegraph in 1857.
- Accompanying Maps**
42. \*Map showing the distribution of the Huronian Limestone between Root River and Bruce Mines. Scale 4 miles to 1 inch Price, 10c.  
 43. Map showing the distribution of the Devonian and Silurian Formations in part of Gaspé. Scale 6 miles to 1 inch.  
 44. Topographical Map of the Magdalen River, Gaspé. Scale 1 mile to 1 inch.  
 45. Map showing the distribution of the Laurentian and Lower Silurian Rocks in the vicinity of Lake St. John. Scale 4½ miles to 1 inch.  
 46. \*Report of Progress for 1858. Published in English and French, Montreal, 1859. 8vo. pp. English 263, French 267. Price, 10c.  
 Contains the following Reports :—  
 LOGAN, W. E.—On the distribution of Laurentian Limestones, and of the Drift in the Grenville Region. Also on the Ramsay Lead Mine, Acton Copper Mine, and miscellaneous Economic Minerals. With Map No. 47.  
 MURRAY, A.—On the country between the Thessalon River and Lake Huron, and between the Thessalon and the Mississagi. With folding Section and Map No. 48.  
 RICHARDSON, J.—On a portion of the Gaspé Peninsula, including an Examination of the Coast from Marsouin River to Rivière du Loup. With Map No. 49.

HUNT, T. S.—On Intrusive Rocks and Minerals from Silurian Rocks, with analyses, and Contributions to the history of Magnesian Limestones.

The Report also contains the following appendices :—

- Appendix I. Levels of the River Rouge and its tributaries.  
 " II. Localities of Copper Ores in the Lower Silurian Rocks of Lower Canada.  
 " III. Localities of Copper Ores in the Huronian Rocks, Mississagi River.  
 " IV. Catalogue of Animals and Plants collected and observed by W. S. M. D'Urban in the Counties of Argenteuil, Labelle and Wright.  
 " V. Catalogue of Animals and Plants collected and observed by R. Bell on the Southeast side of the St. Lawrence, from Quebec to Gaspé, and in the Counties of Rimouski, Gaspé and Bonaventure.

*Accompanying Maps.*

47. Map showing the distribution of Crystalline Limestones of the Laurentian Series in the Counties of Argenteuil, Labelle and Wright. Scale 3 miles to 1 inch.  
 48. Map showing the distribution of the Huronian Rocks between Rivers St. Mary and Mississagi. Scale 3 miles to 1 inch.  
 49. Map showing the distribution of the Devonian and Silurian Formations in part of Gaspé. Scale 6 miles to 1 inch.

NOTE.—Up to 1860 the Geological Reports were also printed as Appendices to the Journals of the Legislative Assembly, in English and French. The Appendices in which they are to be found are as follows :—

Session 1844-45	Appendix W.	Report of Progress, 1843.
" 1846	" G.G.G.	" " 1844.
" 1847	" C.	" " 1845-46 and 1846-47.
" 1849	" G.	" " 1847-48.
" 1850	" V.	" " 1848-49 and 1849-50.
" 1852-53	" O.	" " 1850-51 and 1851-52.
" 1854-55	" L.	" " 1852-53.
" 1857	" 52	" " 1853-54-55-56.
" 1858	" 32	" " 1857.
" 1860	" 24	" " 1858

50. \***Geology of Canada, 1863; Report of the Geological Survey from its commencement to 1863.** Illustrated by 498 wood cuts in the text. Published in English and French, Montreal, 1863. Large 8vo. cloth and paper, pp. English 983, French 1043. This volume includes the more important facts published in the preceding Reports. Out of print.

51. \*NOTE.—pp. 1 to 464 were published under the title "Geology of Canada, 1862" with a preface by Sir W. E. Logan, dated Montreal, March 20, 1862.

52. \***An Atlas of Maps and Sections to accompany the Geology of Canada, 1863.** Montreal, 1865. Large 8vo. cloth and paper, pp. 42. The introduction gives the sources of topographical information, a catalogue of the maps and charts made use of and the sources of geological information for the General Map of Canada; also an Appendix containing a short notice of the earlier Reports and other publications, and a table of magnetic declinations.

Price, \$2.50.

This Atlas contains the following Maps and Sections :—

53. \*Geological Map of Canada, including part of the United States. Scale 125 miles to 1 inch.  
 54. \*Map showing the distribution of the Laurentian Rocks in parts of the Counties of Wright, Labelle, Terrebonne, Argenteuil and Two Mountains and portions of the adjacent Silurian Formations. Scale 7 miles to 1 inch. Price, 10c.

55. \*Map showing the distribution of the Huronian Rocks between Rivers Batchawana and Mississagi. Scale 8 miles to 1 inch. Price, 10c.
56. \*Map showing the distribution of Rocks belonging to the Potsdam, Quebec and Trenton Groups, on the East side of Lake Champlain in the neighbourhood of the line between Canada East and Vermont. Scale 2 miles to 1 inch. Price, 10c.
- Five uncoloured Sections accompanying Map No. 56.
57. Map showing the distribution of Limestone Conglomerates in the Quebec Group at Point Lévis. Scale 3 inches to 1 mile.  
Section on the northeast line of the Fief Ste. Anne, Point Lévis. Scale 3 inches to 1 mile.
58. \*Map showing the distribution of various Superficial Deposits between Lake Superior and Gaspé. Scale 125 miles to 1 inch. Price, 10c.
59. \*Plate I—Section No. I—Echo River, Canada West, to Saginaw Bay, Michigan, U. S. Scale 5 miles to 1 inch. Section No. 1a—Little White River to Mouth of Blind River, Canada West. Scale 5 miles to 1 inch. Price, 10c.
60. \*Plate II—Section No. 2—Somerville, Canada West, to Nittany Valley, Pennsylvania, U.S. Scale 5 miles to 1 inch.  
Section 3—Eardley, Canada East, to Oswego Co., New York, U.S. Scale 5 miles to 1 inch. Price, 10c.
61. \*Plate III—Section No. 4—Buckingham, Canada East, to East Pierpoint, New York. Scale 5 miles to 1 inch.  
Section No. 5—Chatham, Canada East, to Chateaugay, New York, U.S. Scale 5 miles to 1 inch.  
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Section No. 7—Mille Isles to Shefford Mountain, Canada East. Scale 5 miles to 1 inch. Price, 10c.
62. \*Plate IV—Section No. 8—Shawinigan to Tingwick, Canada East. Scale 5 miles to 1 inch.  
Section No. 9—Bourg Louis to St. Etienne, Canada East. Scale 5 miles to 1 inch.  
Section No. 10—Ste. Anne des Monts to Mouth of Cascapedia River, Canada East. Scale 5 miles to 1 inch.  
Section No. 11—Mingan Islands to Cape d'Espoir, Chaleur Bay, Canada East. Scale 5 miles to 1 inch. Price 10c.
63. \*Report of Progress, 1863-66. Published in English and French, Ottawa, 1866. Large 8vo. pp. English 321, French 332. Price, 50c.  
Contains the following Reports :—  
LOGAN, W. E.—Summary Report of the Director.  
RICHARDSON, J.—On the Geology of the Quebec Group in the Eastern Townships.
64. \*LOGAN, W. E., MICHEL, A. and HUNT, T. S.—On the Gold Regions of Lower Canada. pp. 38. Out of print.  
MACFARLANE, T.—On the Geology and Economic Minerals of a portion of the County of Hastings.  
MACFARLANE, T.—On the Laurentian, Huronian and Upper Copper-bearing Rocks of Lake Superior.  
Appendix—The Rocks and Cupriferous Beds of Portage Lake, Michigan.  
BELL, R.—On the Geology of Manitoulin Island.  
HUNT, T. S.—On the Geology and Mineralogy of the Laurentian Limestones; Geology of Petroleum and Salt; the Porosity of Rocks; and on Peat and its applications.  
Appendix—List of Localities in which Ores of Copper have been met with in Rocks of the Quebec Group in Eastern Canada.

- 65. \*Geological Map of Canada and the Adjacent Regions.** including parts of the other British Provinces, and of the United States. By Sir W. E. Logan, F.R.S., *etc.* Published 1866. (Hand coloured.) Scale 25 miles to 1 inch. (8 sheets.)

Price, in sheets.....\$18.00

The Geology of Quebec and Ontario is derived from the results of the Canadian Geological Survey: that of the other Provinces from the labours of Dr. J. W. Dawson, Profs. Robb, Jukes and others; while that of the United States is compiled under the authority of Professor James Hall, from various sources mentioned in the Atlas accompanying the "Geology of Canada."

- 66. \*Summary Report of Progress in Geological Investigations.** Ottawa. 1869. Large 8vo. pp. 9. Price, 10c.

- 67. \*Summary Report of Geological Investigations.** Published in English and French, Ottawa, 1870. Large 8vo. pp. 14. Price, 10c.

- 68. \*Report of Progress from 1866 to 1869.** Published in English and French, Montreal, 1870. Large 8vo. pp. English 475, French 530.

English edition out of print.

French " Price \$1.00.

Contains the following Reports:—

LOGAN, W. E.—On part of the Pictou Coal-field, With Map No. 82.

HARTLEY, E.—On part of the Pictou Coal-field. With Map No. 82.

- 69.** \*NOTE.—The two above Reports and No. 75 were published under the title "Reports on a part of the Pictou Coal-field, with an Appendix on Coal and Iron Ores, and a Geological Map," (No. 82.) Montreal, 1870. Large 8vo. pp. 186. Price, 50c.

BELL, R.—On the Geology of the Manitoulin Island Group. (*Vide* No. 77.)

RICHARDSON, J.—On the Region South of the St. Lawrence, between the Chaudiere River and the Tenisconata Road. With Map No. 80.

- 70.** \*VENNOR, H. G.—On the Geology of portions of Hastings, Peterborough, Addington and Frontenac Counties, Ontario. With Map No. 79, pp. 31.

Price, 50c.

ROBB, C.—On the Geology of a part of New Brunswick. With Map No. 81.

- 71.** \*HUNT, T. S.—On the Goderich Salt Region, pp. 36. Out of print.

- 72.** \*HUNT, T. S.—Notes on Iron and Iron Ores, pp. 94. Out of print.

- 73.** \*RICHARDSON, J.—On a Geological Exploration on the North Shore of the Lower St. Lawrence, pp. 7. Price, 50c.

- 74.** \*BELL, R.—On the Geology of the Northwest Coast of Lake Superior and of the Nipigon District. With Map No. 78, pp. 57. Price, 50c.

NOTE.—The separate report contains the Postscript by Sir W. E. Logan.

*Vide seq.*

- 75.** \*HARTLEY, E.—On the Coals and Iron Ores of Pictou County, Nova Scotia; being an Appendix to Publication No. 69, pp. 78. (*Vide* No. 69.)

Price, 25c.

- 76.** \*HARTLEY, E.—Notes on Coal from Springhill, Cumberland County, Nova Scotia, pp. 11. Price 15c.

- 77.** \*BELL, J.—Appendix—List of Plates of the Manitoulin Islands, Lake Huron, pp. 23. Out of print.

LOGAN, W. E.—Postscript—Notes on the Report of R. Bell on the Nipigon Region.

*Accompanying Maps.*

- 78.** Topographical Sketch Map showing the Thunder Bay and Lake Nipigon Regions (3 sheets.) Report No. 74. Scale 4 miles to 1 inch. Price, 20c.

- 79.** \*Map showing the Distribution of the Rock Formations in parts of the Counties of Peterborough, Hastings, Addington and Frontenac, Ontario. Report No. 70. Scale 4 miles to 1 inch. Price, 10c.



80. \*Map showing the Distribution of Lower Silurian Rocks between the Chaudière and Trois Pistoles Rivers, South of the River St. Lawrence. Scale 8 miles to 1 inch. Price, 10c.
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82. \*Geological Map of the Pictou Coal-field, Nova Scotia. Report No. 69. Scale 1 mile to 1 inch. Price, 10c.
83. \*Report of Progress for 1870-71. Published in English and French, Ottawa, 1872. Large 8vo. pp. English 351, French 353. Price, \$1.25.  
Contains the following Reports :—  
SELWYN, A. R. C.—Summary Report of the Director.  
BAILEY, L. W. AND MATTHEW, G. F.—On the Geology of Southern New Brunswick.  
ROBB, C.—Supplementary Report on the Geology of Northwestern New Brunswick.  
SELWYN, A. R. C.—Notes and Observations on the Gold-fields of Quebec and Nova Scotia.  
RICHARDSON, J.—On the Geology of the Country North of Lake St. John.  
VENNOR, H. G.—Abstract of a Report on the Geology of parts of the Counties of Frontenac, Leeds and Lanark, Ontario.  
BROOME, G.—On the Phosphate of Lime and Mica found in North and South Burgess, and North Elmsley, Ontario.  
BELL, R.—On the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers.
84. Report of Progress for 1871-72. Published in English, Montreal, 1872. large 8vo. pp. 154. Price, \$1.00.  
NOTE.—Published in French in Sessional Documents of the House of Commons for 1872. Vol. V., No. 7, Report No. 31, Ottawa, 1873, pp. 156.  
Contains the following Reports :—  
SELWYN, A. R. C.—Summary Report of the Director.  
SELWYN, A. R. C.—Journal and Report of Preliminary Explorations in British Columbia.  
RICHARDSON, J.—On the Coal-fields of the East Coast of Vancouver Island. With Appendices and Map No. 87.  
DAWSON, J. W.—Appendix—Note on the Fossil Plants referred to in Mr. Richardson's Report.  
HUNT, T. S.—Appendix—Analysis of Coal and Crystalline Rocks from Vancouver Island.  
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87. \*ROBB, C.—Records of Mines and Mineral Statistics, pp. 9. Price, 10c.  
*Accompanying Maps.*
87. Map showing the position of the Coal-fields of Nanaimo and Comox, Vancouver Island. Scale 10 miles to 1 inch.
88. Map of the Township of Marmora showing the position of the Gold Mines. Scale 1 mile to 1 inch.

- 89. \*Report of Progress, 1872-73.** Published in English and French. Montreal 1873. Large 8vo. pp. English 300, French 364. Price. \$1.00  
Contains the following Reports :—
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HARRINGTON, B. J.—Appendix—Notes on Samples of Iron from the Acadia Mines, Nova Scotia.  
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GESNER, A.—Appendix—Return of Borings of the Salmon River Coal Mines. From 3rd Report to the Legislature of New Brunswick.  
ELLS, R. W.—On Operations in boring for Coal with the Diamond drill, at Newcastle Bridge, Queens County; New Brunswick.  
ROBB, C.—On the Coal Mines of the Eastern or Sydney Coal-field of Cape Breton, Nova Scotia. With Appendix.  
RUTHERFORD, J.—Appendix—Remarks respecting the general management and regulation of the Coal Mines of Nova Scotia. (Extract from Report of Inspector of Mines of Nova Scotia for 1866.)  
HARRINGTON, B. J.—Notes on Samples of Brick Clay from Fort Garry, Analyses of Serpentine from Abitibi, and of a Green Mineral from Harvey, New Brunswick.
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- 92. \*Profile on Line of Ore of Acadia Iron Mines.** Scale 10 chains to 1 inch. Price, 10c.
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- HARRINGTON, B. J.—Appendix—Memorandum on Western Coals and Iron Ores.
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Appendix—Catalogue of Plants collected in 1872 and 1875.

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- 125.** \*Report of Progress, 1877-78. Published in English and French, Montreal, 1879. Large 8vo. pp. English 476, French 556. Price, \$1.00.  
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- (A) SELWYN, A. R. C.—Report of Observations on the Stratigraphy of the Quebec Group and the older Crystalline Rocks of Canada.
- (B) DAWSON, G. M.—Preliminary Report on the Physical and Geological Features of the Southern portion of the Interior of British Columbia. With Appendices A and B, and Map No. 127.
- SCUDDER, S. H.—Appendix A—The Fossil Insects collected by G. M. Dawson, in 1877, in the Interior of British Columbia.
- DAWSON, J. W.—Appendix B—List of Tertiary Plants from Localities in the Southern portion of British Columbia, with the Description of a New Species of Equisetum.
- (C) BELL, R.—Report on an Exploration of the East Coast of Hudson Bay. With Map No. 128.
- (CC) BELL, R.—Report on the Country between Lake Winnipeg and Hudson Bay. With Maps Nos. 129 and 130.
- (D) ELLS, R. W.—Report on the Pre-Silurian Rocks of Albert, Eastern Kings and St. John Counties, Southern New Brunswick. See Maps Nos. 144 and 145.
- (DD) BAILEY, L. W.—Report on the Pre-Silurian (Huronian) and Cambrian or Primordial Silurian Rocks of Southern New Brunswick. See Map No. 144.
- (E) MATTHEW, G. F.—Report on the Upper Silurian and Kingston (Huronian) of Southern New Brunswick. See Map No. 144.
- (EE) MATTHEW, G. F.—Report on the Superficial Geology of Southern New Brunswick.
- (F) FLETCHER, H.—Report of Explorations and Surveys in Cape Breton, Nova Scotia. With Map No. 131.
- (G) HARRINGTON, B. J.—Report on the Minerals of some of the Apatite-bearing Veins of Labelle and Wright Counties, Quebec, with Notes on Miscellaneous Rocks and Minerals.
- 126.** \*(H) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada. On Canadian Apatite, pp. 14. Out of print.  
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- 127.** \*Map of a portion of the Southern Interior of British Columbia. Part B. Scale 8 miles to 1 inch. Price, 10c.
- 128.** \*Map of part of the East Coast of Hudson Bay. Part C. Scale 4 miles to 1 inch. Price, 10c.
- 129.** \*Map of Lake Winnipeg. Part CC. Scale 8 miles to 1 inch. Price, 10c.
- 130.** \*Map of Nelson River and the Boat Route between Lake Winnipeg and Hudson Bay. Part CC. Scale 8 miles to 1 inch. Also includes a Plan of the Mouth of Hayes River and vicinity of York Factory. Scale 1 mile to 1 inch. Price, 10c.

- 131.** \*Louisbourg Sheet—parts of Richmond, Cape Breton and Victoria Counties, Cape Breton. Part F. Scale 1 mile to 1 inch. Out of print.  
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- 132.** \*Report of Progress for 1878-79. Published in English and French, Montreal, 1880. Large 8vo. pp. English 376, French 444. Price, \$1.00.  
Contains the following Reports:—  
SELWYN, A. R. C.—Summary Report of the Director.
- 133.** \*(B) DAWSON, G. M.—Report on the Queen Charlotte Islands. With Appendices A to G, Plan of Cowgitz Coal Mine and Maps Nos. 139, 140 and 141. Price, 50c.  
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- 134.** \*WHITEAVES, J. F.—Appendix C—On some Marine Invertebrata from the Queen Charlotte Islands, pp. 16. Out of print.
- 135.** \*SMITH, S. I.—Appendix D—Notes on Crustacea from the Queen Charlotte and Vancouver Islands, pp. 13. Price, 10c.  
MACOUN, J.—Appendix E—List of Plants from the Queen Charlotte Islands.  
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- 136.** \*(C) BELL, R.—Report on Explorations of the Churchill and Nelson Rivers, and around Gods and Island Lakes; with Notes on the Northern Limits of Forest Trees. With Appendices I to VII, and Map No. 142. Price, 20c.  
WHITEAVES, J. F.—Appendix I—On some Silurian and Devonian Fossils from Manitoba and the Valleys of the Churchill and Nelson Rivers.  
MACOUN, J.—Appendix II—List of Plants collected by R. Bell around the shores of Hudson Bay and along the Churchill and Nelson Rivers.  
WHITEAVES, J. F.—Appendix III—List of Freshwater Mollusca from Manitoba and the Valley of the Nelson River.  
GEFFCKEN, .—Appendix IV—List of Lepidoptera from the Nelson and Churchill Rivers and the West Coast of Hudson Bay.  
LE CONTE, J. L.—Appendix V—List of Coleoptera collected by R. Bell in 1879 on the Nelson and Churchill Rivers.  
BELL, R.—Appendix VI—List of Birds from the Region between Norway House and Forts Churchill and York.  
BELL, R.—Appendix VII—Variation of the Compass in the Territory explored.
- 137.** \*(D) BAILEY, L. W., MATTHEW, G. F. AND ELLS, R. W.—Report on the Geology of Southern New Brunswick, embracing the Counties of Charlotte, Sunbury, Queens, Kings, St. John and Albert. With Maps Nos. 143, 144, 145 and sheet of Sections No. 146. Price, 30c.
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- 142.** \*Map of Island and Gods Lakes, and the connecting waters to Oxford Lake. Part C. Scale 4 miles to 1 inch. Price, 10c.
- 143.** \*Sheet 1, S. W. (St. Stephen Sheet), Charlotte County, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.

- 144.** \*Sheet 1, S. E. (St. John Sheet), parts of St. John and Kings Counties, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.
- 145.** \*Sheet 1, N. E. (Grand Lake Sheet), parts of Sunbury, Queens, Kings, Albert and Westmorland Counties, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.
- 146.** \*Sheet of Sections (coloured) to accompany Maps Nos. 143, 144 and 145. Part D Scale 4 miles to 1 inch. Price, 10c.  
NOTE.—Maps Nos. 143, 144 and 145 and Sheet of Sections No. 146 are in portfolio accompanying Report.
- 147.** \*Report of Progress for 1879-80. Published in English and French, Montreal, 1881. Large 8vo. pp. English 562, French 632. Price \$1.00.  
Contains the following Reports :—
- SELWYN, A. R. C.—Summary Report of the Director for the year 1880.
- (A) SELWYN, A. R. C.—Report on Boring Operations in the Souris River Valley. With Appendices I and II.
- DAWSON, G. M.—Appendix I—On the Lignite Tertiary Formation from the Souris River to 108th Meridian.
- DAWSON, J. W.—Appendix II—Note on Fossil Plants collected by A. R. C. Selwyn in the Lignite Tertiary Formation of Roche Percée, Souris River.
- (B) DAWSON, G. M.—Report on an Exploration from Port Simpson, on the Pacific Coast, to Edmonton, on the Saskatchewan, embracing a Portion of the Northern part of British Columbia and the Peace River Country. With Appendices I to III and Maps Nos. 150, 151 and 152.
- MACOUN, J.—Appendix I—List of Plants collected in the Northern Part of British Columbia and the Peace River Country, 1879.
- DAWSON, G. M.—Appendix II—Meteorological Observations in the Northern part of British Columbia, the Peace River District, and from Edmonton to Manitoba, 1879.
- DAWSON, G. M.—Appendix III—Note on the Latitudes and Longitudes used in preparing the Map of the Region from the Pacific Coast to Edmonton.
- DAWSON, G. M.—Note on the Distribution of some of the more important Trees of British Columbia. (First printed in the Canadian Naturalist, Vol. IX, No. 9). With Map No. 149.
- (C) BELL, R.—Report on Hudson Bay and some of the Lakes and Rivers lying to the West of it. With Appendices I to XI.
- \*BELL, R.—The Northern Limits of the principal Forest Trees of Canada, East of the Rocky Mountains. With Map No. 153, pp. 21. Price, 15c.
- WHITEAVES, J. F.—Appendix I—List of Fossils collected by R. Bell in Manitoba in 1880.
- MACOUN, J.—Appendix II—Tabulated List of Plants collected in the District.
- LE CONTE, J. L.—Appendix III—List of Coleoptera collected in 1880 in Manitoba, and between Lake Winnipeg and Hudson Bay.
- WHITEAVES, J. F.—Appendix IV—List of the Land, Freshwater and Marine Mollusca collected.
- DITTMAR, W.—Appendix V—Analyses of the Waters of Hayes and Nelson Rivers.
- WOOD, W.—Appendix VI—Seasonal or Periodic Events, York Factory.
- WOOD, W.—Appendix VII—Tables showing Dates of the Opening and Closing of Hayes River, at York Factory.
- FORTESCUE, .—Appendix VIII—Dates of the Arrivals of the Hudson's Bay Company's Vessels at York Factory, and of their Sailings for 92 years from 1789 to 1880.
- NASON, J. R.—Appendix IX—Seasonal or Periodic Events, Moose Factory.



- ARMIT, W.—Appendix X—Dates of the Arrivals of the Hudson's Bay Company's Vessels at Moose Factory, and of their Sailings for 146 years from 1735 to 1880.
- WOOD, W. AND NASON, J. R.—Appendix XI—Statistics of the Weather from Observations taken at York and Moose Factories.
- (D) ELLS, R. W.—Report on Northern New Brunswick, embracing Portions of the Counties of Restigouche, Gloucester and Northumberland. See Maps Nos. 162, 165 and 166.
- (F) FLETCHER, H.—Report of Surveys of Portions of the Counties of Richmond, Inverness, Guysborough and Antigonish, Nova Scotia, from Chedabucto and St. Peters Bays to Judique and Denys Basin. See Maps Nos. 200 to 207.
- (G) RICHARDSON, J.—Report of a Geological Exploration of the Magdalen Islands. With Appendix.
- MACOUN, J.—Appendix—List and Notes of Plants collected by J. Richardson on the Magdalen Islands.
- 148.\*(H) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada, pp. 21. Out of print.
- Accompanying Maps.*
149. \*Map illustrating the Distribution of some of the more important Trees in British Columbia. Part B. Scale 50 miles to 1 inch. Price, 10c.  
Map of part of British Columbia and the North-west Territory, from the Pacific Ocean to Fort Edmonton (Sheets I, II and III.) Part B. Scale 8 miles to 1 inch.
150. \*Sheet I.—Fort Simpson to Fort St. James. Out of print.
151. \* " II.—Fort St. James to Dunvegan. " "
152. \* " III.—Dunvegan to Edmonton. " "
- NOTE.—Maps Nos. 150, 151 and 152 are in portfolio accompanying Report.
153. \*Map showing the General Northern Limits of the Principal Forest Trees of the Dominion of Canada, East of the Rocky Mountains. Part C. Scale 80 miles to 1 inch. Price, 10c.
154. \*Report of Progress for 1880-81-82. Published in English and French, Montreal, 1883. Large 8vo. pp. English 222, French 246. Price, \$1.00.  
Contains the following Reports:—
- SELWYN, A. R. C.—Summary Reports of the Director for 1881 and 1882.
- SELWYN, A. R. C.—Geological Nomenclature and the Colouring and Notation of Geological Maps. With Index to Colours and Signs, No. 157.†
- (A) SELWYN, A. R. C.—Notes on the Geology of the Southeastern Portion of the Province of Quebec.
155. \*ADAMS, F. D.—Appendix—Notes on the Microscopic Structure of some Rocks of the Quebec Group, pp. 16. Out of print.
- (B)\*DAWSON, G. M.—Preliminary Report on the Geology of the Bow and Belly Rivers Region, North-west Territory, with special reference to the Coal Deposits. With Map No. 158. See No. 408.
- (C.I.) BELL, R.—Report on the Geology of the Basin of Moose River and adjacent Country. With Maps Nos. 159 and 160.
- (C.II.) BELL, R.—Report on the Geology of the Lake of the Woods and adjacent Country. With Appendices I and II and Map No. 161.
- MACOUN, J.—Appendix I—Catalogue of the Plants collected along the Michipicoten River and in the Southern part of the Basin of Moose River.
- LE CONTE, J. L.—Appendix II—Lists of Coleoptera collected in 1881 by R. Bell and others in the Lake Superior District and in the North-west Territories.

†This is a reprint, with slight textual differences, of a communication printed by the author for presentation to the International Geological Congress, Bologna, August, 1881, pp. 5.

(D) ELLS, R. W.—Report on Northern and Eastern New Brunswick and the north side of Chaleur Bay. With Maps Nos. 162 to 166 (incl.) See also Map No. 175.

(DD) ELLS, R. W.—Report on the Geology of the Gaspé Peninsula. With Maps Nos. 164 and 165. See also Maps Nos. 175, 181, 182 and 183.

(GG) WILLMOTT, C. W.—Notes on some of the Mines in the Province of Quebec.

156.\*(H) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada, pp. 16. Price, 10c.

*Accompanying Maps.*

157.\*Index to the Colours and Signs employed in the Maps and Sections of the Geological Survey of Canada. Price, 10c.

158.\*Index Map of Coal and Lignite Outcrops in the Bow and Belly Rivers District. (Southern Alberta.) Part B. Scale 10 miles to 1 inch. Price, 10c.

159.\*Map showing approximately the Geology of the Basin of Moose River and adjacent Country. To illustrate Reports for-1875-76, 1876-77 and 1880-81-82. Part C. I. Scale 8 miles to 1 inch. Out of print.

160.\*Plan of Moose River from the Neighbourhood of Moose Factory to James Bay. Part C. I. Scale 2 miles to 1 inch. Price, 10c.

161.\*Map of the Lake of the Woods and adjacent Country. Part C. II. Scale 4 miles to 1 inch. Price, 10c.

162.\*Sheet 2 N. E. (Newcastle Sheet), parts of Northumberland and Gloucester Counties, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.

163.\*Sheet 2 S. E. (Richibucto Sheet), parts of Kent, Northumberland and Sunbury Counties, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.

164.\*Sheet 3 S. W. (Dalhousie Sheet), parts of Restigouche County, New Brunswick, and Bonaventure County, Quebec. Parts D and DD. Scale 4 miles to 1 inch. Price, 10c.

165.\*Sheet 3 S. E. (Bathurst Sheet), parts of Restigouche and Gloucester Counties, New Brunswick and Bonaventure County, Quebec. Parts D and DD. Scale 4 miles to 1 inch. Price, 10c.

166.\*Sheet 6 S. W. (Shippigan Sheet), part of Gloucester County, New Brunswick. Part D. Scale 4 miles to 1 inch. Price, 10c.

NOTE.—Maps Nos. 159 and 161 to 166 (incl.) are in portfolio accompanying Report.

167.\***Report of Progress for 1882-83-84.** Published in English and French, Montreal, 1885. Large 8vo. pp. English 750, French 831. Price, \$1.00.

Contains the following Reports :—

SELWYN, A. R. C.—Summary Report of the Director for 1885.

(B) BAUERMAN, H.—Report on the Geology of the Country near the Forty-ninth Parallel of North Latitude, West of the Rocky Mountains, from Observations made in 1859-61. With Plate of Sections No. 170.

(C) DAWSON, G. M.—Report on the Region in the Vicinity of the Bow and Belly Rivers, Alberta. With Appendices I to III and Maps Nos. 171 and 172.

DAWSON, G. M.—Appendix I—List of Elevations.

NELSON, J. C.—Appendix II—Blackfoot Names of a Number of Places in the North-west Territories, for the most part in the Vicinity of the Rocky Mountains.

HOFFMANN, G. C.—Appendix III—Analyses of Ironstones occurring in the District.

(CC) BELL, R.—Report on part of the Basin of Athabaska River, Alberta. With Appendix and Map No. 173.

LYMAN, H. H.—Appendix—List of Lepidoptera collected in Alberta in 1882.

(D) LAFLAMME, J. C. K.—Report of Geological Observations in the Saguenay Region.

- (DD) BELL, R.—Observations on the Labrador Coast, and on Hudson Strait and Bay. With Appendices I to V.
- MACOUN, J.—Appendix I—List of Plants collected on the Coasts of Labrador, Hudson Strait and Bay by R. Bell in 1884.
- BELL, R.—Appendix II—List and Notes of the Mammals of the Vicinity of Hudson Bay and Labrador.
- BELL, R.—Appendix III—List and Notes of the Birds of the Vicinity of Hudson Bay and Labrador.
- SMITH, S. J.—Appendix IV—List of Crustacea collected by R. Bell at Port Burwell.
- WHITEAVES, J. F.—Appendix IV—List of Marine Invertebrates from Hudson Strait, collected by R. Bell in 1884.
- LYMAN, H. H.—Appendix V—List of Lepidoptera from Hudson Strait, collected by R. Bell in 1884.
- SMITH, J. B.—Appendix V—List of Coleoptera collected by J. R. Spencer at Fort Churchill.
- (E) ELLS, R. W.—Report on Explorations and Surveys in the Interior of Gaspé Peninsula and in Prince Edward Island.  
See Maps Nos. 175 to 183 (incl.)
- (F) LOW, A. P.—Report on Explorations and Surveys in the Interior of Gaspé Peninsula. With Panoramic View No. 208.  
See Maps Nos. 175, 182 and 183.
- (G) BAILEY, L. W.—Report of Explorations and Surveys in Portions of York and Carleton Counties, N.B. See Map No 174.
- (GG) CHALMERS, R.—Report on the Surface Geology of Western New Brunswick, with special Reference to the Area included in York and Carleton Counties
- (H) FLETCHER, H.—Report on the Geology of the Portion of Cape Breton north of Judique and Denys Basin. See Maps Nos. 184 to 199.
- (J) TORRANCE, J. F.—Report on Apatite Deposits, Labelle and Wright Counties, Quebec.
- (K) COSTE, E.—Report on the Gold Mines of the Lake of the Woods.
- (L) WILLIMOTT, C. W.—Report of Observations in 1883 on some Mines and Minerals in Ontario, Quebec and Nova Scotia.
- 168.**\*(M) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada. Analyses of Coals and Lignites of the North-west Territory, pp. 44.  
Price, 20c.
- 169.**\*(MM) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada, pp. 19.  
Price, 10c.  
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- 170.** \*Sketch Sections near the Forty-ninth Parallel from the Gulf of Georgia to Waterton Lake. Part B. Price, 10c.
- 171.** \*Geological Map of the Region in the Vicinity of the Bow and Belly Rivers. (Southern Alberta.) Part C. Scale 8 miles to 1 inch. Price, 10c.
- 172.** \*Map showing Wooded and Prairie Tracts, etc., in the Region in the Vicinity of the Bow and Belly Rivers (Southern Alberta). Part C. Scale 8 miles to 1 inch. Price, 10c.
- 173.** \*Map of part of the Athabaska River. Part CC. Scale 8 miles to 1 inch. Price, 10c.
- 208.** \*Panoramic View of Notre Dame or Shickshock Mountains, Gaspé. Part F. Price, 10c.
- NOTE.—Maps Nos. 171, 172, 173 and 208 are in portfolio accompanying Report.
- 209.** \*Summary Report of the Director to 31st December, 1885, being Part III, Annual Report of the Department of the Interior, 1885. Large 8vo. pp. 32. Price, 10c.

- 210. Annual Report (New Series), Vol. I, 1885.** Published in English and French, Montreal, 1886. Large 8vo. pp. English 798, French 828. Price, \$1.50.  
Contains the following Reports. Each Report is also published separately:—
- 211. \* (A) BELWYN, A. R. C.**—Summary Report of the Director for the years 1884 and 1885. pp. 108. Price, 10c.
- 212. \* (B) DAWSON, G. M.**—Preliminary Report on the Physical and Geological Features of that Portion of the Rocky Mountains, between Latitudes 49° and 51° 30'. With Maps Nos. 223 and 224, pp. 169. Price, 25c.
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- 216. \* (D) LOW, A. P.**—Report of the Mistassini Expedition, 1884-85. With Appendices I to III and Map No. 228, pp. 55. Price, 10c.  
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**MACOUN, J. M.**—Appendix II—List of Plants collected at Lake Mistassini, Rupert River and Rupert House, 1885.  
**LOW, A. P.**—Appendix III—Meteorological Observations taken on the Route from Betsiamites to Lake Mistassini and at the Hudson's Bay Post, Mistassini.
- 217. \* (DD) BELL, R.**—Observations on the Geology, Zoology and Botany of Hudson Strait and Bay. With Appendices I and II and Map No. 229, pp. 27. Price, 15c.  
**MACOUN, J.**—Appendix I—List of Plants collected in Newfoundland, Labrador and Hudson Strait.  
**LYMAN, H. H. AND HORN, G. H.**—Appendix II—Partial List of Insects collected in 1885.
- 218. \* (E) ELLS, R. W.**—On the Geological Formations of Eastern Albert and Westmorland Counties, New Brunswick, and of Portions of Cumberland and Colchester Counties, Nova Scotia. With Map No. 230, pp. 71. Price, 20c.
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- 223. \* Reconnaissance Map of a Portion of the Rocky Mountains between Latitudes 49° N. and 51° 30' N. Part B. Scale 6 miles to 1 inch. Out of print.**
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- 225. \* Geological and Topographical Map of the Cypress Hills, Wood Mountain and adjacent Country. Part C. Scale 8 miles to 1 inch. Price, 10c.**
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- 227.** \*Western Ontario—Sheet 1—(Northern part of the Lake of the Woods), part of Rainy River District. Part CC. Scale 2 miles to 1 inch. (Edition of April, 1897). Price, 10c.
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- 230.** \*Sheet 4 N. W. (Cumberland Coal-field Sheet), parts of Westmorland and Albert Counties, New Brunswick, and Cumberland County, Nova Scotia. Part E. Scale 4 miles to 1 inch. Price, 10c.
- 231.** \*Sheet 2 S. W. (Andover Sheet), parts of York, Carleton and Victoria Counties, New Brunswick. Part G. Scale 4 miles to 1 inch. Price, 10c.  
NOTE.—Maps 223, 225 to 228, 230 and 231 are in portfolios accompanying Report.
- 232.** \***Summary Report of the Director to 31st December, 1886**, being Part III, Annual Report of the Department of the Interior 1886. Large 8vo. pp. 42. Price, 10c.
- 233.** \***Annual Report (New Series), Vol. II, 1886**. Published in English and French, Montreal, 1887. Large 8vo. pp. English 975, French 1019. Price, \$2.00.  
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- 235.** \*(B) DAWSON, G. M.—Report on a Geological Examination of the Northern part of Vancouver Island and adjacent Coasts. With Appendices I to III and Map No. 247, pp. 129. Price, 25c.  
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- 236.** \*(D) MCCONNELL, R. G.—On the Geological Structure of a Portion of the Rocky Mountains. With Section No. 248, pp. 41. Price, 20c.
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TYRRELL, J. B.—Appendix IV—Cree and Stoney Indian Names of Places in the District.
- 238.** \*(F) LOW, A. P.—Preliminary Report on an Exploration of Country between Lake Winnipeg and Hudson Bay. With Appendix, pp. 24. Price, 10c.  
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- 239.** \*(G) BELL, R.—On an Exploration of Portions of the Attawapiskat and Albany Rivers. With Appendix, pp. 38. Price, 15c.  
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- 240.** \*(J) ELLS, R. W.—On the Geology of a Portion of the Eastern Townships, relating more especially to the Counties of Compton, Stanstead, Beauce, Richmond and Wolfe. With Map No. 251, pp. 70. Price, 25c.
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- 250.** \*Map showing Wooded and Prairie Tracts in part of Central Alberta, and Portions of Saskatchewan. Part E. Scale 8 miles to 1 inch. Price, 10c.
- 251.** \*Southeast Quarter-sheet of the "Eastern Townships" Map (Sherbrooke Sheet); embracing the Counties of Wolfe and Compton and Portions of Beauce, Stanstead, Sherbrooke, Richmond and Arthabaska. Part J. Scale 4 miles to 1 inch. Price, 10c.
- 252.** \*Sheet 3, S. W.—Surface Geology.—(Dalhousie Sheet), parts of Restigouche County, New Brunswick, and Bonaventure County, Quebec. Part M. Scale 4 miles to 1 inch. Price, 10c.
- 253.** \*Sheet 3, S. E.—Surface Geology.—(Bathurst Sheet), parts of Restigouche and Gloucester Counties, New Brunswick, and Bonaventure County, Quebec. Part M. Scale 4 miles to 1 inch. Price, 10c.
- 254.** \*Sheet 2, N. W. (Grand Falls Sheet), parts of Victoria, Northumberland and Restigouche Counties, New Brunswick. Part N. Scale 4 miles to 1 inch. Price, 10c.
- 255.** \*Map of the Northern Portion of the Dominion of Canada, East of the Rocky Mountains. Part R. Scale 200 miles to 1 inch. Price, 10c.  
NOTE.—Maps Nos. 247 and 249 to 254 (incl.) are in portfolio accompanying Report.
- 256.** \*Summary Report of the Director to 31st December, 1887, being Part III, Annual Report of the Department of the Interior, 1887. Large 8vo. pp. 40. Price, 10c.
- 257.** \*Summary Report of the Director to 31st December, 1888, being Part III, Annual Report of the Department of the Interior, 1888. Large 8vo. pp. 41. Out of print.
- 258.** Annual Report (New Series), Vol. III. 1887-88. Published in English and French, Montreal, 1888. 2 vols., large 8vo. pp. English 1402, French 1591. Price, \$2.00.  
Contains the following Reports. Each Report is also published separately:—
- 259.** \*(A) SELWYN, A. R. C.—Summary Reports of the Director for the years 1887 and 1888, pp. 117. Price, 10c.

- 260.** \*(B) DAWSON, G. M.—Report of an Exploration in the Yukon Territory and adjacent Northern Portion of British Columbia. With Appendices I to VII and Maps 274 to 277 (incl.), pp. 277. See No. 629. Price 30c.  
 DAWSON, G. M.—Appendix I—Notes on the Distribution of Trees and of certain Shrubs in the Yukon Territory and adjacent Northern Portion of British Columbia.
- 261.** \*DAWSON, G. M.—Appendix II—Notes on the Indian Tribes of the same District, pp. 23. Out of print.  
 MACOUN, J.—Appendix III—List of Plants collected by G. M. Dawson in the same District in 1887.  
 FLETCHER, J.—Appendix IV—List of Diurnal Lepidoptera from the same District and from the Mackenzie River.  
 BEAN, T. H.—Appendix IV—Fishes from the same District.  
 MERRIAM, C. H.—Appendix IV—Description of a New Red-backed Mouse from the Liard River.
- 262.** \*ADAMS, F. D.—Appendix V—Notes on the Lithological Character of some of the Rocks collected in the same District. pp. 6. Out of print.  
 DAWSON, G. M.—Appendix VI—Meteorological Observations in the same District.  
 DAWSON, G. M.—Appendix VII—Summary of Astronomical Observations employed in the Construction of Maps Nos. 274 to 277.
- 263.** \*(C) BOWMAN, A.—Report on the Geology of the Mining District of Cariboo, British Columbia. With folding Section, and Maps Nos. 278 to 281 (incl.), pp. 49. See Maps Nos. 364 to 372. Price, 25c.
- 264.** \*(E) TYRRELL, J. B.—Notes to accompany a Preliminary Map of the Duck and Riding Mountains in Northwestern Manitoba. With Map No. 282, pp. 16. Price, 10c.
- 265.** \*(F) LAWSON, A. C.—Report on the Geology of the Rainy Lake Region. With Map No. 283 and Sect. No. 284, pp. 182. See Map No. 373. Price, 25c.
- 266.** \*(H) INGALL, E. D.—Report on Mines and Mining on Lake Superior. Part I. a. History and General Conditions of the Region. b. Silver Mining. With Appendices I and II, Supplementary Report, 9 Plans of Mines and Maps Nos. 285 and 286, pp. 131. Price, 25c.  
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 INGALL, E. D.—Supplementary Report of Progress of Development to June, 1889.
- 267.** \*(J) LOW, A. P.—Report on Explorations in James Bay and Country East of Hudson Bay, drained by the Big, Great Whale and Clearwater Rivers. With Appendices I to IV, pp. 94. See Maps Nos. 585 and 587. Price, 25c.  
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 FLETCHER, J.—Appendix II—List of diurnal Lepidoptera collected by J. S. Cotter and J. M. Macoun in the same District.  
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 CUNNINGHAM, A. R. and MACNUTT, C. H.—Appendix IV—Meteorological Observations on James Bay in 1887, and on the East Coast of Hudson Bay in 1888.
- 268.** \*(K) ELLS, R. W.—Report of the Geology of the Counties of Megantic, Beauce, Dorchester, Lévis, Bellechasse and Montmagny, Quebec. With Appendix and Map No. 287, pp. 120. See Map No. 375. Price, 25c.

AMI, H. M.—Appendix—Systematic List of Fossils collected in the District.

- 269.** \*(M) BAILEY, L. W. AND McINNES, W.—Report on Explorations and Surveys in Portions of Northern New Brunswick and adjacent Areas in Quebec and in Maine, U.S. With Map No. 290, pp. 52. Price, 25c.
- 270.** \*(N) CHALMERS, R.—Report on the Surface Geology of Northeastern New Brunswick. With Maps Nos. 288 and 289, pp. 33. Price, 20c.
- 271.** \*(R) DAWSON, G. M.—The Mineral Wealth of British Columbia, with annotated list of Localities of Minerals of Economic Value, pp. 163. Out of print.
- 272.** \*(S) COSTE, E.—Mines Section. Annual Report for 1887, pp. 110. Price, 10c.
- 273.** \*(T) HOFFMANN, G. C.—Chemical Contributions to the Geology of Canada, pp. 58. Price, 15c.
- Accompanying Maps.*
- 274.** \*Index Map of the Yukon Territory, the Northern Portion of British Columbia and adjacent Regions. Part B. Scale 60 miles to 1 inch. Out of print.
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- 275.** \*Sheet I.—Stikine and Dease Rivers. Price, 10c.
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Appendix B—Cost of "Drilling Rig," complete, at Petrolea, Ont.  
Appendix C—Bibliography.

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334.	"	"	1890	744.	"	"	1900
335.	"	"	1891	800.	"	"	1901
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PART III.

AUTHORS' REPORTS PUBLISHED AS SEPARATES.



## PART III

### AUTHORS' REPORTS.

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**DOWLING, D. B.—*Con.***

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**DRESSER, JOHN A.**

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**FLETCHER, H.**

No. 243. Nova Scotia. Report on geology and explorations in portions of. See also Faribault.

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- No. 216. Mistassini Expedition 1884-85, Report on.  
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No. 584. Labrador peninsula, Report on Explorations in.  
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No. 236. Rocky mountains, On geology of portion of.  
No. 295. Yukon and Mackenzie basins, Report on.  
No. 324. Peace and Athabaska rivers, Report on district between.  
No. 574. Finlay and Omineca rivers, Report on Exploration of.  
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No. 884. " Report on.  
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## McEVOY, J.

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## MACKENZIE, ALEXANDER.

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## MACOUN, PROF. JOHN.

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|----------|-------------------------------|---------|---------------|
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| No. 448. | " "                           | Pt II.  |               |
| No. 449. | " "                           | Pt III. |               |
| No. 450. | " "                           | Pt IV.  |               |
| No. 451. | " "                           | Pt V.   |               |
| No. 798. | " "                           | Pt VII. |               |
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U.S. See also Bailey.

No. 678. Rainy River and Thunder Bay Districts, Ontario. Geology of portions of  
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No. 846. Winisk river. Exploration of, and canoe route from Port Hope to Winisk  
lake.

MATTHEW, G. F.

No. 137. New Brunswick. Report on Geology of southern. See also Bailey and  
Ells.

No. 797. Cambrian Rocks of Cape Breton. Report on.

MICHEL, A.

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O'SULLIVAN, OWEN.

No. 847. Montizambert and Kenogami rivers. Explorations on. Canoe route  
between. See also Wilson.

PEARSON, W. H.

No. 453. List of Canadian Hepaticæ.

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POOLE, H. S.

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RICHARDSON, J.

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No. 95. British Columbia. Geological explorations in.

ROBB, C.

No. 86. Mines and Mineral statistics. Records of.

## RUST, D.

- No. 441. Contributions to Canadian Palæontology, Radiolaria from Pierre Formation of Man.

## SALTER, J. W.

- No. 423. Lower Silurian Fossils.  
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## SCUDDER, S. H.

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No. 575. Contributions to Canadian Palæontology: Tertiary Hemiptera of British Columbia, &c., &c.  
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- No. 135. Notes on Crustacea from Vancouver and Q.C.I.

## SMITH, W. H. C.

- No. 327. Hunter island and adjacent country. Report on Geology of.

## TOLMIE, W. FRASER.

- No. 454. Indian Tribes of British Columbia. Comparative Vocabularies of.

## TYRRELL, J. B.

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No. 264. Duck and Riding mountains, Manitoba. Notes to accompany preliminary Map.  
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No. 618. Hudson bay. Report on Northwest coast of, and Dubawnt, Kazan and Ferguson rivers.  
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433. Part I, Montreal, March, 1884.

1. On some new, imperfectly characterized or previously unrecorded species of fossils from the Guelph Formation of Ontario—pp. 1-44, text figures 1-4, and plates 1-8.

WHITEAVES, J. F.—*Con.*

564. Part II, Ottawa, September, 1895.

2. Revision of the fauna of the Guelph formation of Ontario, with descriptions of a few new species.
3. Systematic list, with references, of the fossils of the Hudson River or Cincinnati formation at Stony Mountain, Manitoba—pp. 45-128, with plates 9-15.

615. Part III, Ottawa, April, 1897.

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#### MESOZOIC FOSSILS, VOL. I.

No. 434. Part I, Montreal, 1876.

On some Invertebrates from the Coal-bearing Rocks of the Queen Charlotte Islands, (collected by Mr. J. Richardson in 1872)—pp. 1-92, with text figures 1-9, plates 1-10 and map No. 435.

No. 436. Part II, Montreal, 1879.

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No. 437. Part III, Montreal, 1884.

On the Fossils of the Coal-bearing deposits of the Queen Charlotte Islands collected by Dr. G. M. Dawson in 1878—pp. 191-262, with text figures 10-12 and plates 21-32.

No. 706. Part IV, Ottawa, 1900.

On some additional or imperfectly understood fossils from the Cretaceous rocks of the Queen Charlotte Islands, with a revised list of the species from these rocks—pp. 263-307, with text figures 13 and 14, and plates 33-39.

No. 827. Part V. (and last), Ottawa, 1903.

On some additional fossils from the Vancouver Cretaceous, with a revised list of the species therefrom—pp. 309-415, with text figures 15-27, plates 40-51, general title page and index.

#### CONTRIBUTIONS TO CANADIAN PALÆONTOLOGY, VOL. I.

No. 442. Part I, Montreal, 1885

1. On the Invertebrata of the Laramie and Cretaceous rocks in the vicinity of the Bow and Belly Rivers and adjacent localities in the North-west Territory.—pp. 1-89, with plates 1-11.

No. 443. Part II, Montreal, 1889.

2. On some fossils from the Hamilton Formation of Ontario, with a list of the species at present known from that formation and Province.
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Out of print.

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- No. 445. Part IV., Ottawa, 1892.  
6. The Fossils of the Devonian rocks of the islands, shores or immediate vicinity of Lakes Manitoba and Winnipegosis—pp. 255-360, with plates 33-47.
- No. 659. Part V. (and last), Ottawa, 1898.  
7. On some additional or imperfectly understood fossils from the Hamilton formation of Ontario, with a revised list of the species therefrom—pp. 361-436, with text figures 1-5, plates 47-51. With appendix, general title page and index.
- No. 97. Notes on the Cretaceous fossils collected by Mr. James Richardson at Vancouver and the adjacent islands. Separates from Rep. Progr. for 1873-74, Montreal, 1874, pp. 260-268, with one plate. Out of print.
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- Description of a new species of Panenka from the Corniferous limestone of Ontario; and, Note on the occurrence of Paucispiral Opercula of Gasteropoda in the Guelph formation of Ontario. From vol. iv., No. 8, October, 1891, pp. 401-407, with one text figure and one plate.

WHITEAVES, J. F.—*Con.*

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- Descriptions of eight new species of Fossils from the (Galena) Trenton limestones of Lake Winnipeg and the Red River valley. From vol. vi., No. 7, July, 1895, pp. 387-397.
- Canadian Stromatoporoids. From vol. vii., No. 3, July, 1896, pp. 129-146.
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## WILSON, W. J.

No. 847. Montizambert and Kenogami rivers, Explorations on Canoe route between.  
See also O'Sullivan.

## YOUNG, G. A.

No. 888. Yamaska mountain, Que.

## PART IV

Reports (since 1885) relating especially to (a) Economics.

" relating especially to (b) Palæontology.

" " " (c) Zoology.

" " " (d) Ethnology and Archæology.

" " " (e) Botany.



## PART IV

REPORTS (SINCE 1885) RELATING ESPECIALLY TO ECONOMICS.

Mines Section Reports. See page 54.

Mineral Production of Canada. See page 54.

Reports of the Section of Chemistry and Mineralogy. See page 54.

263. Report on the Geology of the Mining District of Cariboo, B.C. A. Bowman.  
266. Report on Mines and Mining on Lake Superior. E. D. Ingall.  
271. The Mineral Wealth of British Columbia. G. M. Dawson.  
294. Report on a portion of the West Kootenay District, B.C. G. M. Dawson.  
297. Report on the Mineral Resources of the Province of Quebec. R. W. Ells.  
302. Annotated List of the Minerals occurring in Canada. G. C. Hoffmann.  
328. Report on the Geology and Economic Minerals of the Southern portion of Portneuf, Quebec and Montmorency Counties, P.Q. A. P. Low.  
332. Report on Natural Gas and Petroleum in Ontario prior to 1891. H. P. H. Brumell.  
573. Report on the Area of the Kamloops Map-sheet, British Columbia. G. M. Dawson.  
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424. Decade 2—A Monograph of the Graptolitidæ of the Quebec Group. By James Hall. With 23 plates. Montreal, 1865. Large 8vo. (limited edition 4to.) pp. 151.  
425. Decade 3—Monographs of Lower Silurian Cystidæ and Asteriadæ. By E. Billings. Description of the genus *Cyclocystoides*. By J. W. Salter and E. Billings. Monograph of the Palæozoic Bivalve Entomostraca of Canada. By T. Rupert Jones. With 11 plates. Montreal, 1858. Large 8vo. pp. 102.  
426. Decade 4—Monograph of the Lower Silurian Crinoideæ. By E. Billings. With 10 plates. Montreal, 1859. Large 8vo. pp. 72.  
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427. Catalogues of the Silurian Fossils of the Island of Anticosti, with descriptions of some new Genera and Species. By E. Billings. Montreal, 1866. Large 8vo. pp. 93.

428. Fossil Plants of the Devonian and Upper Silurian Formations of Canada. By J. W. Dawson. With 20 plates. Montreal, 1871. Large 8vo. pp. 92.
429. Fossil Plants of the Erian (Devonian) and Upper Silurian Formations of Canada. By J. W. Dawson. With 4 plates. Montreal, 1882. Large 8vo. pp. 49. Forms Part II of the preceding.
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- NOTE.—Pages 1 to 344 were printed in four parts, between Nov., 1861, and Feb. 1865, under the title "New Species of Lower Silurian Fossils". Large 8vo.
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- (6.) Radiolaria from the Pierre Formation of Northwestern Manitoba.
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- Illustrations of the Fossil Fishes of the Devonian rocks of Canada. Part II. See under Authors' Reports—Whiteaves.
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- Descriptions of some new or previously unrecorded species of Fossils from the Devonian rocks of Manitoba. See under Authors' Reports—Whiteaves.
- The Orthoceratidæ of the Trenton limestone of the Winnipeg basin. See under Authors' Reports—Whiteaves.
- Notes on the Ammonites of the Cretaceous rocks of the District of Athabaska, with descriptions of four new species. See under Authors' Reports—Whiteaves.
- The Recent Discovery of large Unio-like Shells in the Coal Measures at Joggins, Nova Scotia. See under Authors' Reports—Whiteaves.
- The Cretaceous System in Canada. (Presidential Address). See under Authors' Reports—Whiteaves.
- Notes on some of the Cretaceous Fossils collected during Captain Palliser's Explorations in British North America in 1857-60. On some Fossils from the Nanaimo Group of the Vancouver Cretaceous. See under Authors' Reports—Whiteaves.
- Descriptions of four new species of Fossils from the Silurian rocks of the southeastern portion of Saskatchewan. See under Authors' Reports—Whiteaves.
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"	III. October	"	" pp. 13.
"	IV. "	"	" pp. 13.
"	V. January, 1895.	"	" pp. 13.
"	VI. April	"	" pp. 11.
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"	XI. October	"	pp. 15.
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Nipigon Lake District. D. B. Dowling.

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## Nova Scotia—

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## Yukon—

Klondike District. R. G. McConnell.

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East Kootenay District. J. McEvoy.

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- Keewatin—  
Grass River District. D. B. Dowling.
- Ontario—  
Rainy River District. W. McInnes.  
Haliburton Map-sheet area. A. E. Barlow.  
Eastern portion. R. W. Ells.
- Quebec—  
Shefford Mountain. J. A. Dresser.
- Hudson Bay—  
East coast. A. P. Low.
- New Brunswick—  
Surface Geology. R. Chalmers.
- Nova Scotia—  
Springhill Coal-field. H. Fletcher.  
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- British Columbia—  
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West Kootenay District. R. W. Brock.
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Great Slave and Great Bear lakes. J. M. Bell.
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Rainy River District. W. McInnes.  
Michipicoten District. R. Bell.
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Crowsnest Coal-field. W. W. Leach.
- Ontario—  
Region southeast of Lac Seul. W. McInnes.  
Country West of Nipigon Lake and River. A. W. G. Wilson.  
Country East of " " " W. A. Parks.  
West Side of James Bay. D. B. Dowling.  
Western part of the Abitibi region. W. J. Wilson.  
The Sudbury District. A. E. Barlow.



Ontario—*Con.*

Haliburton and Bancroft Areas. F. D. Adams.

Kingston District. R. W. Ells.

## Quebec—

Eastern part of Abitibi Lake District—J. F. E. Johnston.

## Anticosti—

Geology of. L. C. K. Laflamme.

## Nova Scotia—

Cambrian Rocks and Fossils of Cape Breton. G. F. Matthew.

## VOLUME XV—PART A.

## Yukon—

Macmillan river. R. G. McConnell.

Climate and flora. John Macoun.

## British Columbia—

Geology of the west coast of Vancouver island

Report of A. Webster.

Report of E. Haycock.

Boundary Creek District. R. W. Brock.

Geology of the International Boundary. R. A. Daly.

## Alberta—

Notes on the Geology of Anthracite. H. S. Poole.

The Blairmore-Frank Coal-fields. W. W. Leach.

## North-west Territories—

Region southwest of Fort Smith. C. Camsell.

## Saskatchewan and Manitoba—

Coal-field of Souris and Turtle Mountain. D. B. Dowling.

## Ontario—

Headwaters of Albany River. A. W. G. Wilson.

Region northwest of Lake Nipigon. W. McInnes.

" " W. A. Parks.

Surveys of rivers southwest of James Bay. W. J. Wilson.

Bruce Mines District, Algoma. E. D. Ingall.

Sudbury Mining District. A. E. Barlow.

Artesian Borings, Surface Deposits and Ancient Beaches. R. Chalmers.

The Algonquin Shore-line in Simcoe County. A. F. Hunter.

## Quebec—

Copper-bearing rocks of the Eastern Townships. J. A. Dresser.

Drillings in bed of St. Lawrence River near Quebec. H. M. Ami.

Geology of the site of the Quebec bridge. H. M. Ami.

The Gaspé Oil-field. R. W. Ells.

## New Brunswick—

Albert Shale Deposits of Albert and Westmorland counties. R. W. Ells.

Geological Observations in Northern portion. L. W. Bailey.

## Nova Scotia—

Surveys and Explorations in Richmond, Cape Breton, Kings, Cumberland and other Counties. Hugh Fletcher.

Gold Fields. E. R. Faribault.

## VOLUME XV—PART AA.

## Yukon—

Klondike District. R. G. McConnell.

## British Columbia—

Lardeau District. R. W. Brock.

Peace River Country. J. M. Macoun.

Coal Basins in the Rocky Mountains. D. B. Dowling.

Geology of the International Boundary. R. A. Daly.

## Keewatin District—

Winisk River. W. McInnes.

## Ontario—

Nagagami River and branches of the Kenogami. W. J. Wilson.

Temagami District. A. E. Barlow.

## Quebec—

Landslide on the Lièvre River. R. W. Ells.

Surface Geology of the Southern Part. R. Chalmers.

Geology of Yamaska Mountain. G. A. Young.

Copper-bearing rocks of the Eastern Townships. J. A. Dresser.

## New Brunswick—

Charlotte County. R. W. Ells.

## Nova Scotia—

Northern Part. H. Fletcher.

Gold Fields. E. R. Faribault.

## VOLUME XVI.

## Yukon—

The Kluane Mining District. R. G. McConnell.

The Duncan Creek Mining District. Joseph Keele.

## British Columbia—

Nicola Coal-basin. R. W. Ells.

Quilchena Coal-basin. R. W. Ells.

Copper Claims of Aspen Grove. R. A. A. Johnston.

Copper Claims of Aberdeen Camp. R. A. A. Johnston.

The Lardeau Mining District. R. W. Brock.

Geology of the International Boundary. R. A. Daly.

Natural History of the National Park. John Macoun.

Cascade Coal-basin. D. B. Dowling.

Costigan Coal-basin. D. B. Dowling.

## Franklin—

Government Expedition to Hudson Bay and Northwest. A. P. Low.

## Keewatin—

Headwaters of the Severn river. Charles Camsell.

Upper Parts of Winisk and Attawapiskat rivers. W. McInnes.

## Ontario—

The Little Current and Drowning rivers. W. J. Wilson.

West coast of James Bay. Owen O'Sullivan.

Geology of the country around Bruce Mines. E. D. Ingall and Theo. Denis.

On Corundum in Ontario and on Surveys near Lake Temagami. A. E. Barlow.

On Surveys between Rabbit and Temagami lakes. G. A. Young.

Geology of a District from Lake Timiskaming, Northward. W. A. Parks.

Raised shore-lines along the Blue Mountain Escarpment. A. F. Hunter.

Minerals of the Ottawa Valley. C. W. Willimott.

Geology of part of the counties of Wright and Labelle. Ernest Haycock.

## Quebec—

Surface Geology of Eastern Quebec. R. Chalmers.

Copper-bearing Rocks of the Sherbrooke district. J. A. Dresser.

Botany. Chaleur Bay. J. M. Macoun.

## New Brunswick—

Geology of Charlotte county. R. W. Ells.

Fossil occurrences and certain Economic Minerals. L. W. Bailey.

## Nova Scotia—

The counties of Cumberland, Hants, Kings and Annapolis. Hugh Fletcher.

Gold Fields. E. R. Faribault.



**PART VI**

**LIST OF REPORTS ON ECONOMIC SUBJECTS**

**INCLUDED IN THE**

**REPORTS OF THE MINES SECTION**



## PART VI

### List of Reports on Economic Subjects included in the Reports of the Mines Section.

#### CONTENTS OF THE ANNUAL REPORTS OF THE MINES SECTION.

The Annual Report of the Mines Section is preceded by a small pamphlet giving an itemed advance statement of the mineral production of the country (subject to revision later when complete figures are available). It contains also a concise analysis of general progress in the various branches of the mineral industry of Canada.

These reports which have constituted Parts S. or SS. of the Annual Volumes of the Geological Survey are made up of separate articles on the various mineral industries of Canada, covering in the various issues the following general features, viz. :—Production, consumption, exports, imports, names of operators, nature and quality of products, markets, uses, progress of discovery and development during the year and such general information illustrative of the mineral industries as may be available at the time of issue.

In addition to the recurrent general matter of the reports, special articles of various length have appeared giving in condensed form technological data relating to certain mineral districts or important groups of deposits and generally embodying such features as mode and conditions of occurrence, dimensions and features of the mineral bodies, quality and nature of ores, &c., with tables of all available analyses, methods of exploitation and preparation, with descriptions of plant and machinery, markets and transportation facilities, bibliography of the subject, &c., &c.

Following is a selected list of some of these articles giving such special information :—

		Pages
1886.	Salt Industry.....	63- 72
	Silver Mines of Ontario..	73- 75
1887.	Iron Ore, Phosphate Deposits of the Archæan rocks—mode of occurrence .....	62- 64
	Precious Stones of Canada (Kuntz).....	65- 80
	Pyrites deposits of Eastern Canada .....	83- 85
	Silver Mining in Thunder Bay District. ....	89- 96
1889.	Natural Gas-fields of Ontario.....	71- 76
	Petroleum Fields of Ontario. ....	77- 93
1890.	Asbestos Industry, Quebec. ....	19- 30

	Pages
Coal, Canmore and Turtle Mountain Fields.....	42- 44
Iron (Russell) Atikokan Range, Algoma, Ont.....	83- 87
Manganese deposits, Eastern Canada.....	92-100
Nickel Industry, Sudbury, Ont.....	122-140
Tar Sands of Athabaska River.....	144-147
Phosphate (Apatite) Industry of Quebec...	155-161
1891. Asbestos Industry of Quebec (Klein).....	12- 23
Coal, Crowsnest Pass field, B.C.....	61- 64
Natural Gas-fields of Ontario, &c.....	103-110
Nickel deposits and Industry.....	112-119
Petroleum Occurrences of Canada.....	120-127
1892. Iron ore deposits and works.....	70- 79
Natural Gas Industry.....	103-111
1897. Mercury Ore deposits of Kamloops, B.C.....	83- 84
Corundum deposits and Industry of Ontario.....	15- 16
Coal, Crowsnest Pass field, B.C.....	47- 49
Graphite Mines of Quebec, with Maps.....	66- 73
Iron Ore deposits of Nova Scotia, with table of analyses.....	97-113
Steatite, List of Occurrences.....	225-226
1898. Coal-fields of Canada, with table of analyses.....	36- 63
Natural Gas-fields of Ontario, with Maps.....	117-122
Petroleum Fields of Ontario, with Maps.....	134-138
1901. Platinum in Canada.....	99-101
1902. Infusorial Earth in Canada.....	19- 28
Coal-fields of Canada, table of analyses and bibliography.....	53- 93
Bruce Mines Copper District, Ont.....	101-111
Manganese Occurrences in Canada.....	150-169
Salt deposits of Canada.....	214-239
Zinc Ore deposits of Canada.....	241-248

PART VII

MAPS





## PART VII.

### MAPS.

#### General Maps.

- 53.** Geological Map of Canada. Report, 1863. Scale 125 miles to 1 inch.
- 58.** Map showing distribution of Superficial Deposits between Lake Superior and Gaspé. Report, 1863. Scale 125 miles to 1 inch.
- 65.** Geological Map of Canada. Report, 1863-66. Scale 25 miles to 1 inch.
- 255.** Map of the Northern part of Canada, East of the Rocky Mountains. Part R., Vol. II. Scale 200 miles to 1 inch.
- 396.** Geological Map of British North America. Scale 150 miles to 1 inch.
- 411.** Map of the Dominion of Canada. Scale 45 miles to 1 inch.
- 153.** Map showing Northern Limits of the Principal Forest Trees of the Dominion of Canada. Part C., 1879-80. Scale 80 miles to 1 inch.
- 677.** Relief Map of Canada and the United States. Scale 250 miles to 1 inch.
- 783.** Geological Map of the Dominion of Canada, Western Sheet. Scale 50 miles to 1 inch.
- 784.** Geological Map of the Dominion of Canada, Eastern Sheet. Scale 50 miles to 1 inch.
- 810.** Map of the Dominion of Canada, showing progress of investigation by the Geological Survey, 1843-1903. Part A., Vol. XV. Scale 250 miles to 1 inch.
- 906.** Map of Northeastern part of Dominion of Canada, to accompany Report No. 905. Scale 50 miles to 1 inch.

#### British Columbia.

##### General Maps.

- 111.** Sketch Map from Quesnel to the Forks of the Peace and Smoky Rivers. Report, 1875-76. Scale 6 miles to 1 inch.
- 120.** Map of the Country between Fraser River and Coast Range. Report, 1876-77. Scale 8 miles to 1 inch.
- 127.** Geological Map of the Southern Interior of British Columbia. Part B., 1877-78. Scale 8 miles to 1 inch.
- 149.** Map illustrating the distribution of some of the more important Trees in British Columbia. Part B., 1879-80. Scale 50 miles to 1 inch.
- 150-152.** Part of British Columbia and the North-west Territories from the Pacific Ocean to Fort Edmonton. Sheets I., II., III. Part B., 1879-80. Scale 8 miles to 1 inch.
- 223.** Reconnaissance Map of a portion of the Rocky Mountains. Part B., Vol. I. Scale 6 miles to 1 inch.
- 274.** Index Map of Maps Nos. 275-277. Part B., Vol. III. Scale 60 miles to 1 inch.
- 275-277.** Stikine, Upper Liard, Frances and Yukon Rivers. Sheets I., II. and III. Part B., Vol. III. Scale 8 miles to 1 inch.
- 278.** Cariboo Mining District. Part C., Vol. III. Scale 2 miles to 1 inch.
- 363.** Portion of the Southern Interior of British Columbia, 1887. Scale 8 miles to 1 inch.
- 455.** Map showing the distribution of the Indian Tribes of British Columbia. Scale 25 miles to 1 inch.

556. Kamloops Sheet. Geological. Part B., Vol. VII. Scale 4 miles to 1 inch.
557. Kamloops Sheet. Topographical, &c. Part B., Vol. VII. Scale 4 miles to 1 inch.
567. Finlay and Omineca Rivers. Part C., Vol. VII. Scale 8 miles to 1 inch.
604. Shuswap Sheet. Geological. Scale 4 miles to 1 inch.
669. Shuswap Sheet. Economic Minerals, Glacial Striæ, &c. Scale 4 miles to 1 inch.
676. Yellowhead Pass Route from Edmonton to Tête-Jaune Cache. Part D., Vol. XI. Scale 8 miles to 1 inch.
711. Map of the Atlin Gold-fields, B.C., 1901. Part A., Vol. XIII. Scale 6 miles to 1 inch.
742. Geological and Topographical Map of the Atlin Mining District, British Columbia. Part B., Vol. XII. Scale 4 miles to 1 inch.
747. Profile of Canadian Pacific Railway Main Line, Winnipeg to Vancouver, Horizontal Scale 30 miles to 1 inch. Vertical Scale 1,000 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada).
748. Profile of Canadian Pacific Railway, Old Location, via Yellowhead Pass, East Selkirk to Kamloops, Horizontal Scale 30 miles to 1 inch. Vertical Scale 1,000 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada).
754. Sketch Map of Southern British Columbia, 1901. Part A., Vol. XIV. Scale 50 miles to 1 inch.
759. Sections of Coal-Measures, Crowsnest Coal-fields. Part A., Vol. XIV. Scale 300 feet to 1 inch.
890. Geological Map of the Coal Basins of Quilchena Creek, Coldwater River, Coal Gully and Guichon Creek, Nicola Valley, Yale District, B.C. Part A., Vol. XVI. Scale 1 mile to 1 inch.

*Vancouver Island.*

87. Coal-fields of Nanaimo and Comox. Report, 1871-72. Scale 10 miles to 1 inch.
90. Part of the Strait of Georgia and Vancouver Island. Report, 1872-73. Scale 2 miles to 1 inch.
121. Coal-fields of Comox, Nanaimo and Cowichan on Vancouver and adjacent islands. Report, 1876-77. Scale 4 miles to 1 inch.
247. Northern portion of Vancouver Island and adjacent coasts. Part B., Vol. II. Scale 8 miles to 1 inch.

*Queen Charlotte Islands.*

139. Queen Charlotte Islands. Part B., 1878-79. Scale 8 miles to 1 inch.
140. Plans of Harbours. Part B., 1878-79. Scale 2 nautical miles to 1 inch.
141. Skidegate Inlet " " 1 " mile 1 "
435. Graham Island. Accompanies publication No. 434. Scale 1 nautical mile to 1 inch.

*Kootenay District.*

303. Reconnaissance Map of a portion of the West Kootenay District. Part B., Vol. IV. Scale 8 miles to 1 inch.
620. Part of Trail Creek Mining Division, West Kootenay District. Scale 1 mile to 1 inch.
767. Geological and Topographical Map of Crowsnest Coal-fields, East Kootenay District, B. C. In portfolio accompanying Vol. XVI. Scale 2 miles to 1 inch.
771. Preliminary Edition Geological and Topographical Map of a portion of East Kootenay District, B. C. Part A., Vol. XII. Scale 4 miles to 1 inch.
791. West Kootenay Sheet. British Columbia, Economic Minerals and Striæ. Scale 4 miles to 1 inch. In portfolio accompanying Vol. XIV.

- 792.** West Kootenay Sheet, British Columbia. Geological Sheet. Scale 4 miles to 1 inch. In portfolio accompanying Vol. XIV.
- 828.** Geological and Topographical Map of Boundary Creek Mining District. Part A., Vol. XV. Scale 1 mile to 1 inch.
- 834.** Topographical Edition of Map No. 828, Boundary Creek Mining District, B.C. Part A., Vol. XV. Scale 1 mile to 1 inch.
- 853.** Index Map (West Kootenay District, B. C.) Part AA. Vol. XV. Scale 8 miles to 1 inch.

*Mining Maps.*

- 279.** Island Mountain and Mosquito Creek. Part C., Vol. III. Scale 480 feet to 1 inch.
- 280.** Hixon Quartz Locations. Part C., Vol. III. Scale 425 feet to 1 inch.
- 281.** Veins and Placer Mines of Hixon Creek. Part C., Vol. III. Scale 32 chains to 1 inch.
- 364.** Placer Mines and Quartz Locations in the vicinity of Williams Creek. Scale 10 chains to 1 inch.
- 365.** Placer Mines and Quartz Veins in the vicinity of Lightning Creek. Scale 6 inches to 1 mile.
- 366.** Placer Mines of Antler Creek. Scale 3 inches to 1 mile.
- 367.** Quartz Veins and Placer Diggings in the Vicinity of Grouse Creek. Scale 1600 feet to 1 inch.
- 368.** Placer Mines of Cunningham Creek. Scale 3 inches to 1 mile.
- 369.** Quartz Veins and Placer Mines of Little Snowshoe and Keithley Creeks. Scale 2½ inches to 1 mile.
- 370.** Veins and Placer Mines of Sugar, Hardscrabble, Slough, Nelson and Dragon Creeks and Willow River. Scale 3 inches to 1 mile.
- 371.** Placer Mines of Harvey Creek. Scale 18 chains to 1 inch.
- 372.** Section along Harvey Creek. Horizontal Scale 4,000 feet to 1 inch. Vertical Scale 800 feet to 1 inch.

**Yukon.**

- 274.** Index Map of Maps Nos. 275-277. Part B., Vol. III. Scale 60 miles to 1 inch.
- 275-277.** See under British Columbia.
- 304.** Index Map of Routes of the Yukon Expedition. Part D., Vol. IV. Scale 48 miles to 1 inch.
- 305-313.** Liard, Mackenzie and Yukon Rivers (9 sheets). Part D., Vol. IV. Scale 8 miles to 1 inch.
- 688.** Map of Klondike Gold-fields. Part A., Vol. XIV. Scale 2 miles to 1 inch.
- 752.** Sketch Map of Salmon River Gold-field. Part A., Vol. XIV. Scale 6 miles to 1 inch.
- 753.** Sketch Map of Sixtymile River Gold-fields. Part A., Vol. XIV. Scale 6 miles to 1 inch.
- 772.** Geological and Topographical Map of the Klondike Mining Region. Part B., Vol. XIV. Scale 2 miles to 1 inch.
- 805.** Map of portion of Yukon Territory, showing explorations on Macmillan, Upper Pelly and Stewart Rivers. Part A., Vol. XV. Scale 8 miles to 1 inch.
- 885.** Map of Klondike, showing water supply. Part B., Vol. XIV. Scale 8 miles to 1 inch.
- 886.** Topographical Map of Klondike Mining Region, showing distribution of gravels. Part B., Vol. XIV. Scale 2 miles to 1 inch.
- 891.** Map of portion of Duncan Creek Mining District. Part A., Vol. XVI. Scale 6 miles to 1 inch.
- 894.** Sketch Map, Kluane Mining District, Yukon, Part A., Vol. XVI. Scale 6 miles to 1 inch.

## Northwest Territories.

98. Saskatchewan River. Report, 1873-74. Scale 16 miles to 1 inch.
112. Forks of Peace and Smoky Rivers to Carlton House. Report, 1875-76. Scale 40 miles to 1 inch.
130. Nelson and Hayes Rivers. Part CC., 1877-78. Scale 8 miles to 1 inch.
142. Gods and Island Lakes. Part C., 1878-79. Scale 4 miles to 1 inch.
- 150-152. Part of British Columbia and Northwest Territories from the Pacific Ocean to Fort Edmonton. Sheets I, II, III. Part B., 1879-80. Scale 8 miles to 1 inch.
158. Index Map of Coal and Lignite Outcrops in the Bow and Belly Rivers District. (Southern Alberta). Part B., 1880-81-82. Scale 10 miles to 1 inch.
171. Geological Map of the Bow and Belly Rivers District. (Southern Alberta). Part C., 1882-83-84. Scale 8 miles to 1 inch.
172. Map showing Wooded and Prairie Tracts in the Bow and Belly Rivers District. (Southern Alberta). Part C., 1882-83-84. Scale 8 miles to 1 inch.
173. Athabaska River. Part CC., 1882-83-84. Scale 8 miles to 1 inch.
223. Reconnaissance Map of a portion of the Rocky Mountains. Part B., Vol. I. Scale 5 miles to 1 inch.
224. Cascade Coal Basin. Part B., Vol. I. Scale  $1\frac{1}{2}$  miles to 1 inch.
225. Geological Map of Cypress Hills and Wood Mountain District. Part C., Vol. I. Scale 8 miles to 1 inch.
226. Map showing Wooded and Prairie Tracts of the Cypress Hills and Wood Mountain District. Part C., Vol. I. Scale 8 miles to 1 inch.
249. Geological Map of Central Alberta. Part E., Vol. II. Scale 8 miles to 1 inch.
250. Map Showing Wooded and Prairie Tracts in Northern Alberta. Part E., Vol. II. Scale 8 miles to 1 inch.
336. Index Map of Country between the lower portions of the Peace and Athabaska Rivers. Part D., Vol. V. Scale 48 miles to 1 inch. See Nos. 594-596.
361. Sketch Map of Vicinity of Red Lake. Part A., Vol. VI. Scale 40 miles to 1 inch.
576. Vicinity of Red Lake and part of Berens River. Part F., Vol. VII. Scale 8 miles to 1 inch.
- 594-596. Peace and Athabaska Rivers. Sheets I, II, III. Part D., Vol. 5. Scale 10 miles to 1 inch.
597. Country between Lake Athabaska and Churchill River. Part D., Vol. VII. Scale 25 miles to 1 inch.
619. Map of Sledge Routes, Fort Churchill to Nelson River. Part F., Vol. IX. Scale 25 miles to 1 inch.
676. Yellowhead Pass Route from Edmonton to Tête-Jaune Cache. Part D., Vol. XI. Scale 8 miles to 1 inch.
766. Geological Map of portions of Saskatchewan and Keewatin. Parts F. and FF., Vol. XIII. Scale 8 miles to 1 inch.
808. Geological Sketch Map of Blairmore-Frank Coal-fields, Alberta. Part A., Vol. XV. Scale 180 chains to 1 inch.
823. Sections of the Souris Coal-fields. Part F., Vol. XV.
842. Map of part of country between Peace and Athabaska Rivers. Part AA., Vol. XV. Scale 32 miles to 1 inch.
845. Sketch Map of the Cretaceous coal-bearing rocks in townships Nos. 18, 19 and 20, ranges 7 and 8. West of the 5th Meridian, Alberta. Part AA., Vol. XV. Scale 2 miles to 1 inch.
892. Geological Map of Costigan Coal-field, Alberta. Part A., Vol. XVI. Scale 40 chains to 1 inch.

## Manitoba.

129. Lake Winnipeg. Part CC., 1877-78. Scale 8 miles to 1 inch.
282. Topographical Map of Duck and Riding Mountains. Part E., Vol. III. Scale 8 miles to 1 inch.

- 314.** Map of Glacial Lake Agassiz. Part E., Vol. IV. Scale 220 miles to 1 inch.
- 316.** Map of Beaches and Deltas of Glacial Lake Agassiz. Part E., Vol. IV. Scale 20 miles to 1 inch.
- 339.** Geological Map of Northwestern Manitoba. Part E., Vol. V. Scale 8 miles to 1 inch.
- 340.** Map showing Forest distribution in Northwestern Manitoba. Part E., Vol. V. Scale 8 miles to 1 inch.
- 664.** Geological Map of Lake Winnipeg and Vicinity. Parts F. and G., Vol. XI. Scale 8 miles to 1 inch.
- 746.** Profile of Canadian Pacific Railway Main Line, Montreal to Winnipeg. Horizontal Scale 30 miles to 1 inch. Vertical Scale 1,000 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada).
- 747.** Profile of Canadian Pacific Railway Main Line, Winnipeg to Vancouver. Horizontal Scale 30 miles to 1 inch. Vertical Scale 1,000 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada.)
- 804.** Orographic Map of Lower Contour of Turtle Mountain, Manitoba. Part A., Vol. XV. Scale  $1\frac{1}{2}$  miles to 1 inch.

### Ontario.

#### *General Maps.*

- 14.** Index Plan of Maps Nos. 17 to 27. Report, 1853-54-55-56. Scale 10 miles to 1 inch.
- 15.** Index Plan of Maps Nos. 28 to 38. Report, 1853-54-55-56. Scale 10 miles to 1 inch.
- 755.** Index Map of Northwestern portion. Part A., Vol. XIV. Scale 50 miles to 1 inch.
- 17-38.** Maps showing the Explorations on the North Shore of Lake Huron and between Georgian Bay and the Ottawa River. Report, 1853-54-55-56. Scale 1 mile to 1 inch.
- 42.** Map showing distribution of Huronian Limestones between Root River and Bruce Mines. Report, 1857. Scale 4 miles to 1 inch.
- 48.** Map showing distribution of Huronian Rocks between Rivers St. Mary and Mississagi. Report, 1858. Scale 3 miles to 1 inch.
- 55.** Map showing distribution of Huronian Rocks between Rivers Batchawana and Mississagi. Report, 1863. Scale 8 miles to 1 inch.
- 78.** Topographical Map of Thunder Bay and Lake Nipigon Regions. Report No. 74, 1866-69. Scale 4 miles to 1 inch.
- 79.** Parts of the Counties of Peterborough, Hastings, Addington and Frontenac. Report No. 70, 1866-69. Scale 4 miles to 1 inch.
- 88.** Township of Marmora. Report, 1871-72. Scale 1 mile to 1 inch.
- 103.** Lanark County and parts of Renfrew and Leeds. Report, 1874-75. Scale 4 miles to 1 inch.
- 159.** Map of the Basin of Moose River. Part C., I, 1880-81-82. Scale 8 miles to 1 inch.
- 160.** Plan of Moose River near mouth. Part C., I, 1880-81-82. Scale 2 miles to 1 inch.
- 161.** Lake of the Woods and adjacent Country. Part C., II, 1880-81-82. Scale 4 miles to  $\frac{1}{4}$  inch.
- 285.** Thunder Bay Mining Region. Part H., Vol. III. Scale 4 miles to 1 inch.
- 286.** Silver Mountain Mining District. Part H., Vol. III. Scale 4 miles to 1 inch.
- 374.** Map of the Madoc and Marmora Mining District. Scale 40 chains to 1 inch.
- 626.** Map showing the Occurrences of Iron Ores and other Minerals in portions of the Counties of Frontenac, Lanark, Leeds and Grenville. Part I., Vol. XII. Scale 2 miles to 1 inch.
- 639.** Map showing "Corundum Belt." Part A., Vol. X. Scale 5 miles to 1 inch.

714. Geological Map of the City of Ottawa and Vicinity, Ontario and Quebec. Part G., Vol. XII. Scale 1 mile to 1 inch.
749. Profile of the River St. Lawrence and the Great Lakes. Horizontal Scale 35 miles to 1 inch. Vertical Scale 335 feet to 1 inch. Accompanies No. 745.
770. Geological Map of a portion of Ontario. Part L., Vol. XIII. (Bancroft Map.) Scale 2 miles to 1 inch.
775. Geological Map of a portion of the Sudbury Mining District, Ont. (Victoria Mines Map.) Part H., Vol. XIV. Scale 1 mile to 1 inch.
820. Geological Map of a portion of Sudbury Mining Region, Algoma and Nipissing. Part H., Vol. XIV. Scale 1 mile to 1 inch.
824. Copper Cliff and vicinity, Sudbury Mining District. (Northern Sheet.) Part H., Vol. XIV. Scale 400 feet to 1 inch.
825. Copper Cliff and vicinity, Sudbury Mining District. (Southern Sheet.) Part H., Vol. XIV. Scale 400 feet to 1 inch.
864. Elsie and Murray Mines, Sudbury, Ontario. Part H., Vol. XIV. Scale 400 feet to 1 inch.
814. Map of part of northern portion and eastern Keewatin, Southwest of James Bay. Part A., Vol. XV. Scale 16 miles to 1 inch.
852. Map of Northeast Arm and Vermilion Iron Ranges, Lake Temagami. Part AA., Vol. XV. Scale 40 chains to 1 inch.
344. Sketch-map of Niagara Peninsula. Part Q., Vol. V. Scale 6 miles to 1 inch.
345. Sketch-map of Essex County. Part Q., Vol. V. Scale 6 miles to 1 inch.
346. Sketch-map, Whitby, Ont., to Fredonia, N. Y. Part Q., Vol. V. Horizontal scale 7 miles to 1 inch; vertical scale 1,100 feet to 1 inch.
347. Sketch-map of Southwestern Ontario. Part Q., Vol. V. Scale 15 miles to 1 inch.
348. Sketch-map, Port Colborne to Kincardine. Part Q., Vol. V. Horizontal scale 6½ miles to 1 inch; vertical scale 1,100 feet to 1 inch.
349. Sketch-map, Whitby to Courtright. Part Q., Vol. V. Horizontal scale 7 miles to 1 inch; vertical scale 1,100 feet to 1 inch.
681. Sketch-map of Oil Areas in Lambton County. Part S., Vol. XI. Scale 4 miles to 1 inch.
682. Sketch-map of Gas-field in Essex County. Part S., Vol. XI. Scale 4 miles to 1 inch.
683. Sketch-map of Gas-field in Welland County. Part S., Vol. XI. Scale 4 miles to 1 inch.
809. Sketch-map of Southwestern Ontario, showing Shore Lines of Ancient Great Lakes. Part A., Vol. XV. Scale 24 miles to 1 inch.
898. Sketch-map of Bruce Mines and Desbarats District. Part A., Vol. XVI. Scale about 2 miles to 1 inch.

*Serial Geological Sheets:*

227. Sheet I. Western Ontario. Northern Part of Lake of the Woods. Part CC., Vol. I. Scale 2 miles to 1 inch.
373. Sheet 2. Western Ontario. Rainy River Sheet. Part F., Vol. III. Scale 2 miles to 1 inch.
283. Sheet 3. Rainy Lake Sheet. Part F., Vol. III. Scale 4 miles to 1 inch.
720. Sheet 4. Western Ontario. Manitou Lake Sheet. Scale 4 miles to 1 inch.
663. Sheet 5. Western Ontario. Ignace Sheet. Scale 4 miles to 1 inch.
560. Sheet 6. Western Ontario. Seine River Sheet. Part H., Vol. X. Scale 4 miles to 1 inch.
342. Sheet 7. Western Ontario. Hunter Island Sheet. Part G., Vol. V. Scale 4 miles to 1 inch.
589. Sheet 9. Western Ontario. Lake Shebandowan Sheet. Part H., Vol. X. Scale 4 miles to 1 inch.

708. Sheet 118. Ontario. Haliburton Sheet. Scale 4 miles to 1 inch.  
 789. Sheet 119. Ontario. Perth Sheet. Part J., Vol. XIV. Scale 4 miles to 1 inch.  
 903. Sheet 120. Ottawa and Cornwall Sheet, Ont. and Que. Part JJ., Vol. XVI.  
 Scale 4 miles to 1 inch.  
 750. Sheet 121. Grenville Sheet, Ont. and Que. Part J., Vol. XII. Scale 4 miles  
 to 1 inch.  
 660. Sheet 122. Pembroke Sheet, Ont. and Que. Scale 4 miles to 1 inch.  
 570. Sheet 125. French River Sheet. Part I., Vol. IX. Scale 4 miles to 1 inch.  
 605. Sheet 126. Manitoulin Island Sheet, Algoma Dist. Scale 4 miles to 1 inch. In  
 preparation.  
 630. Sheet 129. Mississagi Sheet. Scale 4 miles to 1 inch. In preparation.  
 343. Sheet 130. Sudbury Sheet. Part F., Vol. V. Scale 4 miles to 1 inch.  
 606. Sheet 131. Lake Nipissing Sheet. Part I., Vol. X. Scale 4 miles to 1 inch.  
 599. Sheet 138. Lake Timiskaming Sheet. Part I., Vol. X. Scale 4 miles to 1 inch.

*Mining Maps.*

91. Dalhousie Iron Mines. Report, 1872-73. Scale 100 feet to 1 inch.  
 99. North Burgess Phosphate District. Report, 1873-74. Scale 40 chains to 1 inch.  
 393. Bruce Mines Location. Scale 40 chains to 1 inch.  
 394. Part of the Bruce Mines. Scale 2 chains to 1 inch.  
 726. Bedford or Glendower Mine. Part I., Vol. XII. Scale 300 feet to 1 inch.  
 727. Robertsville and Mary Mines. Part I., Vol. XII. Scale 200 feet to 1 inch.  
 728. Fournier Mine. Part I., Vol. XII. Scale 200 feet to 1 inch.  
 729. Christie Lake Mine. Part I., Vol. XII. Scale 200 feet to 1 inch.  
 730. Wilbur Mine. Part I., Vol. XII. Scale 200 feet to 1 inch.  
 731. Yuill Mine. Part I., Vol. XII. Scale about 37 feet to 1 inch.  
 732. Bluff Point Mine. Part I., Vol. XII. Scale 400 feet to 1 inch.  
 733. Calabogie Mines. Campbell and Caldwell Workings. Part I., Vol. XII. Scale  
 200 feet to 1 inch.  
 734. Culhane Mine. Part I., Vol. XII. Scale 120 feet to 1 inch.  
 735. Black Bay or Williams Mine. Part I., Vol. XII. Scale 120 feet to 1 inch.  
 736. Chaffey and Matthews Mines. Part I., Vol. XII. Scale 600 feet to 1 inch.  
 737. Playfair or Dalhousie Mine. Part I., Vol. XII. Scale 50 feet to 1 inch.  
 738. Dog Lake Hematite Mine. Part I., Vol. XII. Scale 50 feet to 1 inch.  
 824. Copper Cliff and vicinity, Sudbury Mining District. (Northern Sheet.) Part H.,  
 Vol. XIV. Scale 400 feet to 1 inch.  
 825. Copper Cliff and vicinity, Sudbury Mining District. (Southern Sheet.) Part H.,  
 Vol. XIV. Scale 400 feet to 1 inch.  
 864. Elsie and Murray Mines, Sudbury, Ontario. Part H., Vol. XIV. Scale 400 feet  
 to 1 inch.

**Quebec.**

*General Maps.*

12. Map showing distribution of Crystalline Limestones between Grenville and Raw-  
 don. Report, 1853-54-55-56. Scale 3 miles to 1 inch.  
 13. Map of the Island of Anticosti. Report, 1853-54-55-56. Scale 9 miles to 1 inch.  
 43. Map showing distribution of the Devonian and Silurian Formations in part of  
 Gaspé. Report, 1857. Scale 6 miles to 1 inch.  
 44. Topographical Map of the Magdalen River, Gaspé. Report, 1857. Scale 1 mile to  
 1 inch.  
 45. Map of Vicinity of Lake St. John. Report, 1857. Scale  $4\frac{1}{2}$  miles to 1 inch.  
 47. Map of Argenteuil, Labelle and Wright Counties. Report, 1858. Scale 3 miles to  
 1 inch.



40. Map showing the distribution of the Devonian and Silurian Formations in part of Gaspé. Report, 1858. Scale 6 miles to 1 inch.
54. Map of parts of the Counties of Labelle, Wright, Terrebonne, Argenteuil and Two Mountains. Report, 1863. Scale 7 miles to 1 inch.
56. Map of east side of Lake Champlain, in the vicinity of the International Boundary. Report, 1863. Scale 2 miles to 1 inch.
57. Map showing distribution of Limestone Conglomerates at Point Lévis. Report, 1863. Scale 3 miles to 1 inch.
80. Map showing distribution of Lower Silurian Rocks between the Chaudière and Trois-Pistoles Rivers. Report, 1866-69. Scale 8 miles to 1 inch.
122. Map of Labelle and Wright Counties. Report, 1876-77. Scale 4 miles to 1 inch.
228. Map of Lake Mistassini. Part D., Vol. I. Scale 8 miles to 1 inch.
287. Asbestos District of Thetford and Coleraine. Part K., Vol. III. Scale 40 chains to 1 inch.
401. Map of a portion of Gaspé. Scale 4 miles to 1 inch.
590. Joliette, Argenteuil, Terrebonne and Montcalm Counties. Part J., Vol. VIII. Scale 4 miles to 1 inch.
667. Map of Gold Areas and Glaciation of Southeastern Quebec. Part J., Vol. X. Scale 8 miles to 1 inch.
668. Map of the Graphite District, Labelle County. Part S., Vol. X. Scale 40 chains to 1 inch.
702. Geological Map of the Basin of Nottaway River. Part K., Vol. XIII. Scale 10 miles to 1 inch.
714. Geological Map of the City of Ottawa and Vicinity, Ontario and Quebec. (Accompanies No. 741, Part G., Vol. XII.) Scale 1 mile to 1 inch.
746. Profile of Canadian Pacific Railway Main Line, Montreal to Winnipeg. Horizontal Scale 30 miles to 1 inch. Vertical Scale 1,100 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada.)
749. Profile of River St. Lawrence and the Great Lakes. Horizontal Scale 35 miles to 1 inch. Vertical Scale 335 feet to 1 inch. (Accompanies No. 745, Altitudes in Dominion of Canada.)
777. Geological and Petrographical Plan and Sections of Shefford Mountain Shefford Co., Quebec, 1902. Part L., Vol. XIII. Scale 40 chains to 1 inch.
- 779-780-781. Geological Map of the East Coasts of Hudson Bay and James Bay, Ungava and Quebec. In three sheets. Part D., Vol. XIII. Scale 8 miles to 1 inch.
802. Sketch Plan of Gaspé Oil-fields, showing Location of Wells and Routes. Part A., Vol. XV. Scale 2 miles to 1 inch.
848. Plan of the recent Landslide on the Lièvre River, near Buckingham Quebec. Part AA., Vol. XV. Scale 12 chains to 1 inch.
862. Map of Copper-bearing rocks of Southern Quebec. Part AA., Vol. XV. Scale 10 miles to 1 inch.
874. Geological Map of the Island of Montreal and Vicinity. Part O., Vol. XIV. Scale 4 miles to 1 inch.
875. Map of Montreal City and Vicinity showing Artesian Wells. Part O., Vol. XIV. Scale 3,000 feet to 1 inch.
876. Sheet of Graphic Diagrams of Wells. Part O., Vol. XIV.
887. Map of Yamaska Mountain. Part H., Vol. XVI. Scale 20 chains to 1 inch.
901. Geological and Topographical Map of Brome Mountain. Part G., Vol. XVI. Scale 40 chains to 1 inch.
251. Southeast Quarter-sheet. "Eastern Townships" Map (Sherbrooke Sheet). Part J., Vol. II. Scale 4 miles to 1 inch.
375. Northeast Quarter-sheet. "Eastern Townships" Map (Quebec Sheet). Part K. Vol. III., 1887-88. Scale 4 miles to 1 inch.

- 571.** Southwest Quarter-sheet. "Eastern Townships" Map (Montreal Sheet). Part J., Vol. VII. Scale 4 miles to 1 inch.
- 665.** Northwest Quarter-sheet. "Eastern Townships" Map (Three Rivers Sheet) Part J., Vol. XI. Scale 4 miles to 1 inch.  
Topographical Map of the Eastern Townships (in four sheets) from St. Jerome and Lake of Two Mountains, or the west, to the New Hampshire and Maine Boundary, on the east, and from Latitude 45° N. to 47° 50' N. Scale 4 miles to 1 inch.

NOTE:—This map is the geographical basis prepared by the Geological Survey for Maps Nos. 251, 375, 571 and 665. Two editions of it have been published, by permission of the Director, from transfers from the original plates, one by Walker & Miles in 1875, and the other by Dawson Bros. in 1883.

- 376.** Walker and Miles, edition of No. 665.  
**377.** Dawson Bros., edition of No. 665.

*Geological Serial Sheets.*

(Including portions of New Brunswick.)

- 175.** Sheet 3 N.E. Headwaters Bonaventure River Sheet. Scale 4 miles to 1 inch.  
**176.** Sheet 3 N.W. Lake Matapedia Sheet. Scale 4 miles to 1 inch.  
**164.** Sheet 3 S.W. Dalhousie Sheet. Parts D. and DD., 1880-81-82. Scale 4 miles to 1 inch.  
**165.** Sheet 3 S.E. Bathurst Sheet. Parts D. and DD., 1880-81-82. Scale 4 miles to 1 inch.  
**180.** Sheet 6 N.W. Douglstown Sheet. Scale 4 miles to 1 inch.  
**181.** Sheet 7 S.W. Fox River Sheet. Scale 4 miles to 1 inch.  
**182.** Sheet 15 S.E. Cape Marsouin Sheet. Scale 4 miles to 1 inch.  
**183.** Sheet 15 S.W. Ste. Anne de Monts Sheet. Scale 4 miles to 1 inch.  
**290.** Sheet 17 N.E. Madawaska Sheet. Part M., Vol. III. Scale 4 miles to 1 inch.  
**350.** Sheet 18 S.E. Temiscouata Sheet. Part M., Vol. V. Scale 4 miles to 1 inch.  
**750.** Sheet 121. Grenville Sheet. Ontario and Quebec. Part J., Vol. XII. Scale 4 miles to 1 inch.

**Northeast Territories and Keewatin.**

- 128.** East Coast Hudson Bay. Part C., 1877-78. Scale 4 miles to 1 inch.  
**229.** Ottawa Islands, Hudson Bay. Part DD., Vol. I. Scale 4 nautical miles to 1 inch.  
**341.** Plan of Mossy Portage. Part E., Vol. V. Horizontal scale 50 chains to 1 inch; vertical scale 120 feet to 1 inch.  
**554.** Sketch-map of Labrador Peninsula. Part A., Vol. VII. Scale 150 miles to 1 inch.  
**585-588.** Labrador Peninsula, 4 sheets. Part L., Vol. VIII. Scale 25 miles to 1 inch.  
**603.** Dubawnt and Kazan Rivers and Northwest Coast of Hudson Bay. Part F., Vol. IX. Scale 25 miles to 1 inch.  
**621.** Diagram showing positions successively occupied by the centre of the Keewatin Glacier. Part F., Vol. IX. Scale 100 miles to 1 inch.  
**699.** Map of the coasts of Hudson Strait and Ungava Bay. Parts L. and M., Vol. XI. Scale 25 miles to 1 inch.  
**751.** Sketch-map showing exploration of Ekwan and Trout Rivers and West coast of James Bay. Part A., Vol. XIV. Scale 50 miles to 1 inch.  
**758.** Sketch-map of the Northern portion of the Labrador Peninsula. Part A., Vol. XIV. Scale 50 miles to 1 inch.  
**760.** Sketch-map of the Lake Abitibi Region. Part A., Vol. XIV. Scale 16 miles to 1 inch.  
**779-780-781.** Geological Map of the east coasts of Hudson Bay and James Bay, Ungava and Quebec. In three sheets. Part D., Vol. XIII. Scale 8 miles to 1 inch.  
**785.** Sketch-map of the Northern portion of the Labrador Peninsula. Part D., Vol. XIII. 2nd edition. Scale 50 miles to 1 inch.

814. Map of part of Northern Ontario and Eastern Keewatin, Southwest of James Bay. Part A., Vol. XV. Scale 16 miles to 1 inch.
889. Sketch-map showing explorations between Lac Seul and Severn River, Keewatin. Part A., Vol. XVI. Scale 35 miles to 1 inch.
895. Map of West coast of James Bay. Part A., Vol. XVI. Scale 16 miles to 1 inch.

### Nova Scotia.

#### *General Maps.*

82. Pictou Coal-field. Report, 1866-69. Scale 1 mile to 1 inch.
93. Acadia Iron Mines. Report, 1872-73. Scale 400 yards to 1 inch.
100. Index Map of Springhill Coal-field. Report, 1873-74. Scale 8 miles to 1 inch.
105. Cape Dauphin District. Report, 1874-75. Scale 20 chains to 1 inch.
106. Eastern Part of Sydney Coal-field. Report, 1874-75. Scale 1 mile to 1 inch.
113. Western Part of the Sydney Coal-field. Report, 1875-76. Scale 1 mile to 1 inch.
124. Grand Narrows Sheet. Report, 1876-77. Scale 1 mile to 1 inch.
131. Louisbourg Sheet. Part F., 1877-78. Scale 1 mile to 1 inch.
230. Cumberland Coal-field Sheet. Sheet 4 N.W. Part E., Vol. I. Scale 4 miles to 1 inch.
362. Southwestern Nova Scotia. Part Q., Vol. VI. Scale 8 miles to 1 inch.
378. Part of Guysborough County. Sheet 11 S.W. Part P., Vol. II. Scale 4 miles to 1 inch.
641. Western Nova Scotia. Part M., Vol. IX. Scale 8 miles to 1 inch.
757. Index Map of Nova Scotia. Part A., Vol. XIV. Scale 25 miles to 1 inch.
764. Geological Sketch Map of parts of Kings and Hants Counties, N.S. Part A., Vol. XIV. Scale 2 miles to 1 inch.
812. Preliminary Geological Map of Springhill Coal-field. Part A., Vol. XV. Scale 50 chains to 1 inch.
833. Map of Pictou Coal-field. Part M., Vol. XIV. Scale 25 chains to 1 inch.
897. Preliminary Geological Plan of Nictaux and Torbrook Iron District, N.S. Part A., Vol. XVI. Scale 25 chains to 1 inch.
927. Gold Fields of Nova Scotia. In preparation.

#### *Serial Geological Sheets—Scale 1 mile to 1 inch.*

184. Sheet 1. Cape North Sheet. Part H., 1882-83-84.
185. Sheet 2. Aspy Bay Sheet. Part H., 1882-83-84.
186. Sheet 3. Pleasant Bay Sheet. Part H., 1882-83-84.
187. Sheet 4. Ingonish Sheet. Part H., 1882-83-84.
188. Sheet 5. Headwaters of Cheticamp River Sheet. Part H., 1882-83-84.
189. Sheet 6. North Cheticamp Sheet. Part H., 1882-83-84.
190. Sheet 7. North Shore Sheet. Part H., 1882-83-84.
191. Sheet 8. Headwaters Margaree River Sheet. Part H., 1882-83-84.
192. Sheet 9. South Cheticamp Sheet. Part H., 1882-83-84.
193. Sheet 10. Englishtown Sheet. Part H., 1882-83-84.
194. Sheet 11. Margaree Sheet. Part H., 1882-83-84.
195. Sheet 12. Baddeck Sheet. Part H., 1882-83-84.
196. Sheet 13. Middle River Sheet. Part H., 1882-83-84.
197. Sheet 14. Broad Cove Sheet. Part H., 1882-83-84.
198. Sheet 15. Whycocomagh Sheet. Part H., 1882-83-84.
199. Sheet 16. Port Hood Sheet. Part H., 1882-83-84.
200. Sheet 17. Loch Lomond Sheet. Part F., 1879-80.
201. Sheet 18. River Denys Sheet. Part F., 1879-80.
202. Sheet 19. Judique Sheet. Part F., 1879-80.
203. Sheet 20. L'Ardoise Sheet. Part F., 1879-80.

204. Sheet 21. Saint Peter Sheet. Part F., 1879-80.  
205. Sheet 22. Strait of Canso Sheet. Part F., 1879-80.  
206. Sheet 23. Arichat Sheet. Part F., 1879-80.  
207. Sheet 24. Guysborough Harbour Sheet. Part F., 1879-80.  
379. Sheet 25. Guysborough Sheet. Part P., Vol. II.  
380. Sheet 26. Whitehaven Sheet. Part P., Vol. II.  
381. Sheet 27. Isaac Harbour Sheet. Part P., Vol. II.  
382. Sheet 28. Gegogan Sheet. Part P., Vol. II.  
383. Sheet 29. Sherbrooke Sheet. Part P., Vol. II.  
384. Sheet 30. Country Harbour Sheet. Part P., Vol. II.  
385. Sheet 31. Roman Valley Sheet. Part P., Vol. II.  
386. Sheet 32. Pomquet Harbour Sheet. Part P., Vol. II.  
387. Sheet 33. Cape George Sheet. Part P., Vol. II.  
388. Sheet 34. Antigonish Sheet. Part P., Vol. II.  
389. Sheet 35. Lochaber Sheet. Part P., Vol. II.  
390. Sheet 36. West River St. Marys Sheet. Part P., Vol. II.  
550. Sheet 37. Liscomb River Sheet. Part P., Vol. II.  
551. Sheet 38. Mosers River Sheet. Part P., Vol. II.  
565. Sheet 39. Tangier Sheet. Part P., Vol. II.  
592. Sheet 40. Sheet Harbour Sheet.  
607. Sheet 41. Fifteen-mile Stream Sheet.  
593. Sheet 42. Trafalgar Sheet.  
598. Sheet 43. Stellarton Sheet.  
600. Sheet 44. New Glasgow Sheet.  
608. Sheet 45. Toney River Sheet.  
609. Sheet 46. Pictou Sheet.  
610. Sheet 47. Westville Sheet.  
633. Sheet 48. Eastville Sheet.  
634. Sheet 49. Upper Musquodoboit Sheet.  
624. Sheet 50. Moose River Sheet.  
611. Sheet 51 (and 52). Ship Harbour Sheet.  
700. Sheet 53. Lawrencetown Sheet.  
807. Sheet 54. Musquodoboit Harbour Sheet.  
908. Sheet 55. Gay River Sheet.  
635. Sheet 56. Shubenacadie Sheet.  
636. Sheet 57. Truro Sheet.  
637. Sheet 58. Earltown Sheet.  
793. Sheet 59. Tatamagouche Sheet.  
794. Sheet 60. Malagash Sheet.  
795. Sheet 61. Pugwash Sheet.  
796. Sheet 62. Wentworth Sheet.  
836. Sheet 63. Londonderry Sheet.  
837. Sheet 64. Noel Sheet.  
878. Sheet 65. Kennetcook Sheet.  
879. Sheet 74. Walton Sheet.  
838. Sheet 75. Five Island Sheet.  
839. Sheet 76. Pleasant Hills Sheet.  
840. Sheet 82. Southampton Sheet.  
841. Sheet 83. Parrsborough Sheet.  
826. Sheet 100 (and 101). Apple River Sheet.  
652. Sheet 133. Cape Dauphin Sheet. Report No. 685.  
653. Sheet 134. Sydney Sheet. Report No. 685.  
654. Sheet 135. Little Glace Bay Sheet. Report No. 685

*Plans and Sections of Gold Districts.*

832. Isaac Harbour (Goldboro), Guysborough County. Scale 500 feet to 1 inch.  
 656. Upper Seal Harbour, Guysborough County. Richardson Mine. Scale 500 feet to 1 inch.  
 649. Forest Hill, Guysborough County. Scale 500 feet to 1 inch.  
 843. Cochran Hill, Guysborough County. Scale 500 feet to 1 inch.  
 867. Wine Harbour, Guysborough County. Scale 250 feet to 1 inch.  
 645. Goldenville, Guysborough County. Scale 250 feet to 1 inch.  
 945. Harrigan Cove, Halifax County. Scale 400 feet to 1 inch.  
 647. Salmon River, Halifax County. Scale 250 feet to 1 inch.  
 650. Fifteen-mile Stream, Halifax County. Scale 500 feet to 1 inch.  
 622. Killag, Halifax County. Scale 500 feet to 1 inch.  
 643. Caribou, Halifax County. Scale 500 feet to 1 inch.  
 646. Moose River, Halifax County. Scale 250 feet to 1 inch.  
 648. Mooseland, Halifax County. Scale 250 feet to 1 inch.  
 773. Tangier, Halifax County. Scale 250 feet to 1 inch.  
 765. Lake Catcha, Halifax County. Scale 250 feet to 1 inch.  
 666. Lawrencetown, Halifax County. Scale 500 feet to 1 inch.  
 740. Montague, Halifax County. Scale 250 feet to 1 inch.  
 721. Waverley, Halifax County. Scale 250 feet to 1 inch.  
 642. Oldham, Halifax County. Scale 500 feet to 1 inch.  
 701. Renfrew, Hants County. Scale 500 feet to 1 inch.  
 768. South Uniacke, Hants County. Scale 250 feet to 1 inch.  
 709. Mount Uniacke, Hants County. Scale 250 feet to 1 inch.  
 844. Gold River, Lunenburg County. Scale 250 feet to 1 inch.  
 937. Leipsigate, Lunenburg County. Scale 500 feet to 1 inch.  
 850. Transverse Section of Doliver Gold District. Part AA., Vol. XV.  
 849. Transverse Section of West Lake Mine, Mount Uniacke. Part AA., Vol. XV.  
 806. Transverse Vertical Section of Blue-nose Gold Mine. Part A., Vol. XV.

**New Brunswick and Prince Edward Island.**

NOTE.—The following Maps of the regular series for New Brunswick, Prince Edward Island, Eastern Quebec and Northern Nova Scotia, are referred to in the Reports of the Geological Survey, as follows :—

Reference for Map No. 143, Part D., 1878-79.

“	“	144,	“	D., DD. and E., 1877-78 and D., 1878-79.
“	“	145,	“	D., 1877-78 and D., 1878-79.
“	“	162,	“	D., 1879-80 and D., 1880-81-82.
“	“	163,	“	D., 1880-81-82.
“	“	164,	“	D. and DD., 1880-81-82.
“	“	165,	“	D., 1879-80, D. and DD., 1880-81-82.
“	“	166,	“	D., 1879-80, and D., 1880-81-82.
“	“	174,	“	G., 1882-83-84.
“	“	175,	“	DD., 1880-81-82 and E. and F., 1882-83-84.

Reference for Maps Nos. 176 to 179 “ E., 1882-83-84.

Reference for Map No. 180, Part DD., 1880-81-82 and E., 1882-83-84.

“	“	181,	“	DD., 1880-81-82 and E., 1882-83-84.
“		Maps Nos. 182 and 183,	Part DD., 1880-81-82, and E. and F., 1882-83-84.	
“		Map No. 230,	Part E., Vol. I., 1885.	
“	“	231,	“ G., Vol. I., 1885.	
“	“	254,	“ N., Vol. II., 1886.	
“	“	290,	“ M., Vol. III., 1887-88.	
“	“	350,	“ M., Vol. V., 1890-91.	

143. Sheet 1 S.W. St. Stephen Sheet. Part D., 1878-79. Scale 4 miles to 1 inch.
174. " 1 N.W. Fredericton Sheet, parts of Sunbury, York and Carleton Counties, New Brunswick. Part G., 1882-83-84. Scale 4 miles to 1 inch.
144. Sheet 1 S.E. St. John Sheet. Part D., 1878-79. Scale 4 miles to 1 inch.
145. " 1 N.E. Grand Lake Sheet. Part D., 1878-79. Scale 4 miles to 1 inch.
231. " 2 S.W. Andover Sheet. Part G., Vol. I. " 4 " 1 "
254. " 2 N.W. Grand Falls Sheet. Part N., Vol. II. " 4 " 1 "
162. " 2 N.E. Newcastle Sheet. Part D., 1880-81-82. " 4 " 1 "
163. " 2 S.E. Richibucto Sheet. Part D., 1880-81-82. " 4 " 1 "
164. " 3 S.W. Dalhousie Sheet. Parts D. and DD., 1880-81-82. Scale 4 miles to 1 inch.
165. " 3 S.E. Bathurst Sheet. Parts D. and DD., 1880-81-82. Scale 4 miles to 1 inch.
230. " 4 N.W. Cumberland Coal-field Sheet. Part E., Vol. I. Scale 4 miles to 1 inch.
177. " 5 N.W. North Point Sheet, part of Prince County, Prince Edward Island. Part E., 1882-83-84. Scale 4 miles to 1 inch.
178. Sheet 5 S.W. Buctouche Sheet, parts of Kent County, New Brunswick and Prince and Queens Counties, Prince Edward Island. Part E., 1882-83-84. Scale 4 miles to 1 inch.
179. Sheet 5 S.E. Charlottetown Sheet, parts of Prince and Queens Counties, Prince Edward Island. Part E., 1882-83-84. Scale 4 miles to 1 inch.
166. Sheet 6 S.W. Shippigan Sheet. Part D., 1880-81-82. Scale 4 miles to 1 inch.
290. " 17 N.E. Madawaska Sheet. Part M., Vol. III. " 4 " 1 "
350. " 18 S.E. Temiscouata Sheet. Part M., Vol. V. " 4 " 1 "
317. " 1 S.W. St. Stephen Sheet. Part N., Vol. IV. Surface Geology. Scale 4 miles to 1 inch.
318. " 1 S.E. St. John Sheet. Part N., Vol. IV. Surface Geology. Scale 4 miles to 1 inch.
319. " 1 N.E. Grand Lake Sheet. Part N., Vol. IV. Surface Geology. Scale 4 miles to 1 inch.
562. " 2 S.E. Richibucto Sheet. Part M., Vol. VII. Surface Geology. Scale 4 miles to 1 inch.
289. " 2 N.E. Newcastle Sheet. Part N., Vol. III. Surface Geology. Scale 4 miles to 1 inch.
252. " 3 S.W. Dalhousie Sheet. Part M., Vol. II. Surface Geology. Scale 4 miles to 1 inch.
253. " 3 S.E. Bathurst Sheet. Part M., Vol. II. Surface Geology. Scale 4 miles to 1 inch.
561. " 4 N.W. Cumberland Coal-field Sheet. Surface Geology. Part M., Vol. VII. Scale 4 miles to 1 inch.
563. " 5 S.W. Buctouche Sheet. Part M., Vol. VII. Surface Geology. Scale 4 miles to 1 inch.
288. " 6 S.W. Shippigan Sheet. Part N., Vol. III. Surface Geology. Scale 4 miles to 1 inch.
558. Map showing area occupied by Pleistocene Glaciers at their maximum extension. Part M., Vol. VII. Scale 40 miles to 1 inch.
559. Map showing striation from Local Glaciers and Floating Ice during the closing stage of the Pleistocene. Part M., Vol. VII. Scale 40 miles to 1 inch.
81. York, Carleton and Victoria Counties. Report, 1866-69. Scale 8 miles to 1 inch.
104. Iron Ores of Carleton County. Report, 1874-75. Scale 2 miles to 1 inch.
123. Map of the Lower Carboniferous Rocks of Albert and Westmorland Counties. Report, 1876-77. Scale 1 mile to 1 inch.

675. Map of Principal Mineral Occurrences in New Brunswick. Part M., Vol. X  
Scale 10 miles to 1 inch.
696. Surface Geology, Province of New Brunswick. Andover Sheet. Part M., Vol.  
XII. Scale 4 miles to 1 inch.
697. Surface Geology, Province of New Brunswick. Fredericton Sheet. Part M.,  
Vol. XII. Scale 4 miles to 1 inch.
756. Index Map of New Brunswick, Prince Edward Island and Part of Quebec. Part  
A., Vol. XIV. Scale 50 miles to 1 inch.
801. Outline Map of Prince Edward Island and adjacent portions of New Brunswick  
and Nova Scotia, showing supposed lines of Anticlines. Part A., Vol. XV.  
Scale 16 miles to 1 inch.

#### A D D E N D A .

829. Vol. XII. French Edition. 1899.
915. Map of part of S. W. Coast of Hudson Bay. 1905.
916. Sketch-map of Windy Arm Mining District. 1905.
917. Map of Yukon. 1905.
918. Map of Chibougamau Region, Que.
920. Map of part of Ontario Interlake Peninsula showing shore-lines of Ancient Great  
Lakes.
955. Report on the Chibougamau Region, Que. French. A. P. Low.  
The following maps are in the portfolio accompanying Vol. XIV.:-
789. Perth Geological sheet.
791. West Kootenay District. Geological.
792. " " Economic minerals and glacial striae.

# INDEX.

No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
1	13, 54, 60,	31	16, 113	61	18	89	21, 57, 60, 62, 66, 67
2	13, 63	32	16, 113	62	18	90	21, 110
3	13, 60, 63	33	16, 113	63	18, 55, 61, 64	91	21, 115
4	13, 61	34	16, 113	64	18, 64, 75, 78, 79	92	21
5	13, 54, 61, 63	35	16, 113	65	19, 109	93	21, 118
6	14, 54, 61	36	16, 113	66	19	94	21, 58, 60, 62, 64, 68
7	14, 54, 63	37	16, 113	67	19	95	22, 57, 79
8	14, 54, 61, 63	38	16, 113	68	19, 61, 64, 66, 67	96	22, 55, 75
9	14, 54, 61, 63	39	16, 55, 61, 64	69	19, 67, 75, 78	97	22, 57, 82
10	14, 55, 61, 63	40	16, 75	70	19, 61, 80	98	22, 112
11	14, 55, 61, 64	41	16, 72	71	19, 61, 75	99	22, 115
12	15, 115	42	16, 113	72	19, 55, 75	100	22, 118
13	15, 115	43	16, 115	73	19, 64, 79	101	22, 55, 57, 60, 62, 66, 68
14	15, 113	44	16, 115	74	19, 61, 72	102	23, 54, 75
15	15, 113	45	16, 115	75	19, 67, 75	103	23, 113
16	15	46	16, 55, 61, 64	76	19, 67, 75	104	23, 121
17	15, 113	47	17, 115	77	19, 72	105	23, 118
18	15, 113	48	17, 113	78	19, 113	106	23, 118
19	15, 113	49	17, 116	79	19, 113	107	23
20	15, 113	50	17, 55	80	20, 116	108	23, 55, 57, 60, 62, 66, 68
21	15, 113	51	17, 55	81	20, 121	109	23, 58, 80
22	15, 113	52	17	82	20, 118	110	23, 54, 75
23	15, 113	53	17, 109	83	20, 61, 64, 66, 67	111	24, 109
24	15, 113	54	17, 116	84	20, 57, 62, 64, 66	112	24, 112
25	15, 113	55	18, 113	85	20, 62, 80	113	24, 118
26	15, 113	56	18, 116	86	20, 55, 79	114	24, 55, 57, 62, 64, 66, 68
27	15, 113	57	18, 116	87	20, 110	115	24, 57, 73
28	16, 113	58	18, 109	88	20, 113		
29	16, 113	59	18				
30	16, 113	60	18				



No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
116	24, 57, 82	147	27, 57, 59, 60, 64, 67, 68, 72	177	120, 121	210	31
117	24, 62, 75	148	28, 54, 75	178	120, 121	211	31, 53
118	24, 57, 80	149	28, 109	179	120, 121	212	31, 58, 59, 73
119	24, 54, 75	150	28, 109, 112	180	117, 120	213	31, 59, 78
120	24, 109	151	28, 109, 112	181	117, 120	214	31, 73
121	25, 110	152	28, 109, 112	182	117, 120	215	31, 62, 78
122	25, 116	153	28, 109	183	117, 120	216	31, 64, 78
123	25, 121	154	28, 55, 59, 62, 64, 67	184	118	217	31, 65, 72
124	25, 118	155	28, 71, 73	185	118	218	31, 67, 68, 74
125	25, 55, 57, 60, 64, 65, 66, 67, 68	156	29, 54, 75	186	118	219	31, 67, 71
126	25, 54, 75	157	29	187	118	220	31, 67, 72
127	25, 109	158	29, 112	188	118	221	31, 55, 73
128	25, 117	159	29, 113	189	118	222	31, 54, 75
129	25, 112	160	29, 113	190	118	223	31, 109, 112
130	25, 112	161	29, 113	191	118	224	31, 112
131	26, 118	162	29, 120, 121	192	118	225	31, 112
132	26	163	29, 120, 121	193	118	226	31, 112
133	26, 57, 73	164	29, 117, 120, 121	194	118	227	32, 114
134	26, 83	165	29, 117, 120, 121	195	118	228	32, 116
135	26, 80	166	29, 120, 121	196	118	229	32, 117
136	26, 60, 72	167	29, 55, 58, 59, 62, 64, 65, 67, 68	197	118	230	32, 118, 120, 121
137	26, 67, 71, 74, 79	168	30, 59, 75	198	118	231	32, 120, 121
138	26, 54, 75	169	30, 54, 75	199	118	232	32, 53
139	26, 110	170	30	200	118	233	32
140	26, 110	171	30, 112	201	118	234	32, 53
141	26, 110	172	30, 112	202	118	235	32, 58, 73
142	26, 112	173	30, 112	203	118	236	32, 58, 78
143	26, 120, 121	174	120, 121	204	119	237	32, 59, 80
144	27, 120, 121	175	117, 120	205	119	238	32, 60, 65, 78
145	27, 120, 121	176	117, 120	206	119	239	32, 62, 72
146	27			207	119	240	32, 65, 74
				208	30	241	32, 65, 67, 72
				209	30, 53	242	33, 67, 71, 79

No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
243	33, 68, 74	276	35, 109, 111	309	36, 111	342	38, 114
244	33, 55, 73	277	35, 109, 111	310	36, 111	343	38, 115
245	33, 54, 73	278	35, 109	311	36, 111	344	38, 114
246	33, 54, 75	279	35, 111	312	36, 111	345	38, 114
247	33, 110	280	35, 111	313	36, 111	346	38, 114
248	33	281	35, 111	314	36, 113	347	38, 114
249	33, 112	282	35, 112	315	36	348	38, 114
250	33, 112	283	35, 114	316	36, 113	349	38, 114
251	33, 116	284	35	317	36, 121	350	38, 117, 120, 121
252	33, 121	285	35, 113	318	36, 121	351	38
253	33, 121	286	35, 113	319	37, 121	352	38, 53
254	33, 120, 121	287	35, 116	320	37, 53	353	38, 53
255	33, 109	288	35, 121	321	37, 53	354	38
256	33, 53	289	35, 121	322	37, 53	355	38, 53
257	33, 53	290	35, 117, 120, 121	323	37, 53	356	39, 53
258	33	291	35, 53	324	37, 59, 78	357	39, 62
259	33, 53	292	36	325	37, 60, 80	358	39, 68, 71
260	34, 58, 73	293	36, 53	326	37, 62, 72	359	39, 54, 75
261	34, 73	294	36, 58, 73, 87	327	37, 62, 80	360	39, 54, 76
262	34, 71	295	36, 58, 59, 78	328	37, 65, 78, 87	361	39, 112
263	34, 58, 72, 87	296	36, 60, 80	329	37, 74	362	39, 118
264	34, 60, 80	297	36, 65, 74, 87	330	37, 65, 67, 71, 79	363	109
265	34, 62, 78	298	36, 67, 72	331	37, 68, 74	364	111
266	34, 62, 76, 87	299	36, 54, 75	332	37, 62, 72, 87	365	111
267	34, 66, 78	300	36, 54, 72	333	38, 54, 75	366	111
268	34, 65, 74	301	36, 54, 76	334	38, 54, 76	367	71, 111
269	35, 67, 71, 79	302	36, 55, 75, 87	335	38, 54, 76	368	111
270	35, 67, 72	303	36, 110	336	38, 112	369	111
271	35, 58, 73, 87	304	36, 111	337	38	370	111
272	35, 54, 73	305	36, 111	338	38	371	111
273	35, 54, 75	306	36, 111	339	38, 113	372	111
274	35, 109, 111	307	36, 111	340	38, 113	373	114
275	35, 109, 111	308	36, 111	341	38, 117	374	113

No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
375	116	408	59, 73	441	80, 88	567	40, 110
376	117	409	56	442	81, 88	570	42, 115
377	117	410	56, 73, 80	443	81, 88	571	40, 117
378	118	411	109	444	82, 88	572	40, 54, 76
379	119	412	56	445	82, 88	573	39, 58, 73, 74, 87
380	119	413	56, 74	446	73, 89	574	39, 58, 78
381	119	414	54	447	78, 93	575	80, 89
382	119	415	54	448	78, 93	576	40, 112
383	119	416	54	449	78, 93	577	54
384	119	417	54	450	78, 93	578	39, 60, 73
385	119	418	54	451	78, 93	579	39, 65, 71, 74
386	119	419	54	452	79, 93	580	40, 54, 75
387	119	420	54	453	79, 93	581	39
388	119	421	54	454	73, 80, 91	582	40, 53
389	119	422	54	455	91, 109	583	40, 53
390	119	423	80, 87	460	56, 75, 79	584	41, 66, 74, 78, 79
391	62, 78	424	75, 87	550	119	585	41, 117
392	63, 78	425	72, 76, 80, 87	551	119	586	41, 117
393	115	426	72, 87	552	39, 53	587	41, 117
394	115	427	72, 87	553	39, 53	588	41, 117
395	55	428	88	554	40, 117	589	43, 114
396	109	429	73, 88	555	54	590	41, 116
397	55	430	73, 88	556	40, 110	591	40, 65, 71
398	55	431	72, 88	557	40, 110	592	119
399	55	432	72, 88	558	40, 121	593	119
400	65, 75	433	80, 88	559	40, 121	594	112
401	116	434	81, 88	560	43, 114	595	112
402	55	435	110	561	40, 121	596	112
403	63, 75, 79	436	81, 88	562	40, 121	597	41, 112
404	68, 75	437	81, 88	563	40, 121	598	119
405	56	438	75, 88	564	81, 88	599	43, 115
406	56	439	80, 88	565	119	600	119
407	56	440	76, 88	566	40, 67, 68, 72		

No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
601	40, 59, 73, 80	635	119	669	110	703	43, 58, 59, 78
602	41, 54, 76	636	119	670	42, 65, 72	704	43, 60, 73
603	42, 117	637	119	671	54	705	43, 60, 73
604	110	638	56, 73	672	42, 63, 71	706	81, 88
605	115	639	42, 113	673	43, 53	707	43, 65, 74
606	43, 115	640	54	674	43, 53	708	115
607	119	641	42, 118	675	43, 122	709	120
608	119	642	120	676	43, 110, 112	710	80, 89
609	119	643	120	677	109	711	46, 110
610	119	644	42, 53	678	42, 63, 79	712	76, 89
611	119	645	120	679	42	713	43, 66, 72
612	54	646	120	680	43, 66, 78	714	45, 114, 116
613	41, 53	647	120	681	44, 114	715	43
614	41, 53	648	120	682	44, 114	716	45, 53
615	81, 88	649	120	683	44, 114	717	45, 53
616	41, 54, 75	650	120	684	76, 89	718	44, 54, 76
617	40	651	42, 54, 75	685	68	719	54, 76
618	41, 60, 80	652	119	686	54	719a	54, 76
619	42, 112	653	119	687	58, 78	720	49, 114
620	110	654	119	688	44, 111	721	120
621	42, 117	656	120	690	44, 53	722	93
622	120	657	41, 66, 78	691	44, 53	723	44, 63, 76, 87
623	54	658	41	692	78, 92	724	44, 54, 75
624	119	659	82, 88	693	56	725	44, 59, 72
625	42, 54, 76	660	115	694	56	726	45, 115
626	45, 113	661	42, 67, 71	695	43, 54, 75	727	45, 115
627	41, 63, 72	662	42, 54, 76	696	45, 122	728	45, 115
628	42, 68, 71	663	114	697	45, 122	729	45, 115
629	58, 73	664	44, 113	698	43, 54, 76	730	45, 115
630	115	665	44, 117	699	44, 117	731	45, 115
632	42, 53	666	120	700	119	732	45, 115
633	119	667	43, 116	701	120	733	45, 115
634	119	668	43, 116	702	46, 116	734	45, 115

No.	PAGE.	No.	PAGE.	No.	PAGE.	No.	PAGE.
735	45, 115	768	120	801	48, 122	836	119
736	45, 115	769	44, 67, 72	802	48, 116	837	119
737	45, 115	770	47, 114	803	46, 67, 79, 87	838	119
738	45, 115	771	45, 110	804	48, 113	839	119
739	44, 63, 65, 74	772	47, 83, 111	805	48, 111	840	119
740	120	773	120	806	48, 120	841	119
741	44, 63, 65, 74	774	76, 79, 89	807	119	842	48, 112
742	45, 110	775	47, 114	808	48, 112	843	120
743	44, 58, 75, 87	776	46, 65, 74	809	48, 114	844	120
744	46, 54, 76	777	46, 116	810	48, 109	845	48, 112
745	56, 80	778	45, 66, 78	812	48, 118	846	48, 79
746	113, 116	779	46, 116, 117	813	54, 76	847	48, 79, 84
747	110, 113	780	46, 116, 117	814	48, 114, 118	848	48, 116
748	110	781	46, 116, 117	815	46, 60, 74	849	48, 120
749	114, 116	782	44	816	47, 53	850	48, 120
750	45, 115, 117	783	109	817	47, 53	851	54
751	47, 117	784	109	818	54	852	48, 114
752	46, 111	785	46, 117	819	45, 66, 78	853	48, 111
753	46, 111	786	45, 60, 74, 80	820	47, 114	854	54, 74
754	47, 110	787	45, 60, 74, 80	821	46, 54, 75	857	54
755	47, 113	788	46, 65, 72	822	78, 92	858	54
756	47, 122	789	115, 122	823	48, 92, 112	859	54
757	47, 118	790	46, 63, 74	824	47, 114, 115	860	54
758	47, 117	791	110, 122	825	47, 114, 115	861	54, 76
759	47, 110	792	111, 122	826	119	862	48, 116
760	47, 117	793	119	827	81, 88	863	46, 65, 71
761	46, 53	794	119	828	111	864	47, 114, 115
762	46, 53	795	119	829	122	865	47, 53
763	44, 65, 79	796	119	830	45	866	47, 53
764	47, 118	797	68, 79	832	120	867	120
765	120	798	78, 93	833	47, 118	868	47, 59, 74, 87
766	46, 112	799	46, 67, 71	834	111	869	54, 74
767	110	800	46, 54, 76	835	48, 54	870	76, 89

No.	PAGE.	No	PAGE.	No.	PAGE.	No.	PAGE.
871	46, 68, 73	887	49, 116	903	115	923	78, 87
872	54, 76	888	49, 84	904	63, 65	927	118
873	46, 63, 72, 87	889	49, 11, 118	905	56, 66, 78, 87	937	120
874	47, 116	890	49, 110	906	109	938	49
875	47, 116	891	49, 111	907	46	939	58, 72
876	47, 116	892	49, 112	908	119	940	49, 58, 74, 87
877	54, 74	893	49, 54	909	58, 78	942	49
878	119	894	49, 111	911	47	943	49
879	119	895	49, 118	913	54	945	120
880	54, 72	896	54, 76	915	122	949	59, 87
881	54, 74	897	49, 118	916	122	950	88
882	54, 74	898	49, 114	917	122	951	49
883	78	899	48, 53	918	122	952	48
884	46, 58, 78	900	48, 53	920	122	953	54
885	47, 111	901	49, 116	921	49	955	122
886	47, 111	902	49, 65, 74	922	49	1000	56