



GEOLOGICAL SURVEY OF CANADA
ROBERT BELL, M.D., D.Sc., LL.D., F.R.S., ACTING DIRECTOR

ALTITUDES

IN THE

DOMINION OF CANADA

WITH A RELIEF MAP OF NORTH AMERICA

BY

JAMES WHITE, F.R.G.S.

GEOGRAPHER, DEPARTMENT OF THE INTERIOR

LATE GEOGRAPHER AND CHIEF DRAUGHTSMAN, GEOLOGICAL SURVEY



OTTAWA

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1901

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To GEORGE M. DAWSON,
Director, Geological Survey of Canada

SIR.—I beg to submit herewith my report on Altitudes in the Dominion of Canada. It is accompanied by a relief map of North America on a scale of 250 miles to 1 inch, and four sheets of profiles of the St. Lawrence system and of the Canadian Pacific Railway, this railway being chosen as showing the profile of the country along the only trans-continental line in Canada. The work of which this is the result was begun in 1894 as a private investigation, but I am happy to avail myself of your kind offer in regard to publication.

It is not presented as absolutely accurate, but as the best possible interpretation of the conflicting evidence available at the present time. Errors in the field and in the office necessarily prevent absolute accuracy, but every effort has been made, by comparing the railways at all crossings and wherever they touch lakes, whose elevation has been well determined, to eliminate or minimize these errors. In a few instances it has been found necessary to run lines of levels in the field to determine the elevation of track above mean tide and to connect the levels of independent lines. With the exception of the levels run by Mr. R. Steckel of the Department of Public Works nothing has been done in Canada in the way of precise levelling, though the levels of the Canadian Deep Waterways Commission are of a high degree of accuracy. Special mention should also be made of the re-levelling of the Grand Trunk Railway, in 1878, and subsequent years, the average error, with one exception, being less than one foot. In 1883-86 Mr. Steckel ran a line of precise levels from Rouse Point to Quebec via Sorel, and from Sorel to Lachine. Subsequently he continued this line from Quebec down the St. Lawrence to Gaspé. The results of the Quebec-Gaspé line are, however, still unpublished.

In 1884 Mr. J. W. Spencer published, as Bulletin No. 6 of the Geological Survey of the United States,—a pamphlet of 43 pages—a 'List of Elevations in the Dominion of Canada.' This, however, only included a number of railways now merged into the Grand Trunk Railway and the Ontario Division of the Canadian Pacific. In 1889 Mr. Warren Upham published, as an appendix to his report on 'Glacial Lake Agassiz in Manitoba,'* tables of altitudes in the southern portions of the North West Territories. They have since been republished as part of his report on 'Altitudes between Lake Superior and the Rocky Mountains.† The above constitute practically all the compilations covering a considerable area of the Dominion.

* Geological Survey Report, Part J, Vol. IV., 1888-89.

† Bulletin of the United States Geological Survey, No. 72.

As this is the first general compilation of altitudes in Canada, it has been made as comprehensive as possible and a great deal of detailed information that may be omitted in subsequent editions, has been included. Abstracts of all the railway profiles obtainable—with elevations of stations, sidings, principal stream crossings, depressions and summits—profiles of canals, canoe-routes and rivers, and altitudes of lakes, mountain-passes, &c., have been included. Most of this information has been extracted from the following :—

- Profiles of railways and canals in the Department of Railways and Canals.
- Profiles of railways in the offices of the railway companies.
- Reports and maps of the Geological Survey.
- British Admiralty and United States Coast Survey charts.
- Report of the United States Deep Waterways Commission.
- List of altitudes determined by the Canadian Deep Waterways Commission.
- Reports on Irrigation Surveys.
- Maps of International Boundary Commission, Canada.

The plane of reference in this report is mean sea-level. Railway elevations refer to base of rail opposite centre of station buildings, centre of sidings and bridges. All available information relating to high and low stages of water in rivers and lakes has been noted, but in many instances water level is shown on the profiles without any note as to stage or date of observation. Free use has been made of the Geological Survey reports and the report of the United States Deep Waterways Commission.

My thanks are due to practically all the chief and division engineers and superintendents of railways in Canada, to Mr. Thomas Monro, Chief Engineer, Soulanges Canal, and to many others. My thanks are also due to Mr. W. J. Wilson for his co-operation and assistance.

I have the honour to be, sir,
Your obedient servant,
JAMES WHITE

OTTAWA, July 24, 1899.

P R E F A C E

As nearly all the elevations between Montreal and Winnipeg have been reduced with reference to the River St. Lawrence and the Great Lakes, the evidence upon which the elevations of the latter have been determined is appended herewith.

HUDSON RIVER LEVELS—ELEVATION OF BENCH MARK ON GRIST MILL AT GREENBUSH, N. Y.

Date	Authority	Elevation*
		Feet
1857-58.....	J. B. Vose, M. S. Coast and Geodetic Survey.....	15.57
1877.....	O. H. Tittman, U. S. Coast and Geodetic Survey.....	14.728
1880.....	West Shore Railroad levels.....	16.91
1894.....	U. S. Coast and Geodetic Survey.....	13.645†

This bench mark is the initial point of the lines of precise levelling to Lake Champlain and to Lake Ontario. Up to the present time, all published elevations have been based on the value 14.73, but as this is the first general compilation of altitudes in Canada the later and more correct value, viz., 13.65, has been adopted and, as shown below, the resulting elevation for Lake Michigan differs from the determination of the Mississippi River Commission by only 0.05 foot.

LAKE ONTARIO (MEAN WATER) 1871 TO 1900

Authority	Above B.M. at Greenbush	Above mean tide at New York
1. Coast and Geodetic Survey, party No. 1.....	230.87	244.52
2. Coast and Geodetic Survey, party No. 2.....	231.82	245.47
3. Erie and Oswego Canal levels.....	232.60	245.65
4. Coast and Geodetic Survey to Rouse Point, thence by Canadian Deep Waterways Commission to Kingston.....	231.17	244.82
5. Coast and Geodetic Survey to Rouse Point, Department of Public Works, Rouse Point to Montreal, and Grand Trunk Railway (re-levelling) Montreal to Kingston.....	230.75	244.40

The mean of 1 and 2 (244.99) has been adopted, though the Champlain-St. Lawrence line (4) tends to show that it is a little too high. The Coast survey lines, however, were lines of precision, whereas the Rouse Point-Kingston line was run with ordinary **Y** levels, although discrepancies were eliminated by re-running. A mean of 1, 2 and 3 (244.93) would not differ materially from that adopted.

* All elevations are referred to mean tide at New York.

† The difference between the above (13.645) and any former results is probably due to the more perfect determination of tidal level than to any other cause.

Letter of Mr. W. W. Duffield, Superintendent, United States Coast and Geodetic Survey.

GEOLOGICAL SURVEY OF CANADA

LAKE ERIE (MEAN WATER) 1871 TO 1900

Authority	Above Lake Ontario	Above mean tide at New York
1. Coast and Geodetic Survey, party No. 1.....	326.566	571.556
2. Coast and Geodetic Survey, party No. 2.....	326.594	571.584
Mean.....	326.58	571.57

LAKES HURON AND MICHIGAN (MEAN WATER) 1871 TO 1900

Authority	Above Lake Erie	Above mean tide at New York
1. Coast and Geodetic Survey.....	8.29	579.86
2. Mississippi River Commission.....	.....	579.91

LAKE SUPERIOR (MEAN WATER) 1871 TO 1900

Authority	Above Lakes Huron and Michigan	Above mean tide at New York
1. Coast and Geodetic Survey.....	20.70	660.56
2. Mississippi River Commission.....	20.84	660.75

In each case the Coast and Geodetic Survey determination has been adopted as, with the exception of the Mississippi line, it is the only line of precision and the close agreement of the two lines at Chicago precludes the possibility of any serious error.

Canada
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 Caraque
 Gulf Shore
 Restigou
 St. John
 Atlantic a
 Temiscou
 Boston and
 Quebec Co
 Maine Cen
 Lotbinière
 Orford Mo
 Missisquoi
 Quebec Sou
 New York
 South Shore
 Quebec and
 Quebec, Mo
 Great North
 Montfort C
 Hull Electri
 *Ottawa and
 Pontiac Pac
 Canada Atl
 New York a
 Brockville, V
 Kingston an

*Name c

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*Name changed to Ottawa, Northern and Western Railway.

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*Absorbed by Canadian Northern Railway since publication.

Lake Champlain
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Bench Mark
Ottawa River
Rideau Canal
Gananoque
Trent Car
Madawaska
York River
Bonneche
Petawawa
Muskoka
Meganatt
South or
Sturgeon
Ottertail
Matabite
Montreal
Whitfield
Walmapi
Mississauga
Opeongo
Ontario—
Pic and Lake
Kaminis
Seine River
Pigeon Island
Manitou
Internat
Red River
Assiniboia
Pembina
Souris River
Nelson
Saskatchewan
North Saskatchewan
Battle River
South Saskatchewan
Bow River
Red Deer
Rosebud
Little Elbow
Dogpou
Elbow
Fish Creek
Sheep River
Highway
Jumpin
Little Elbow
Mosqui
Willow
Old Man
Living
Belly River
St. Mary
Water
Pothol

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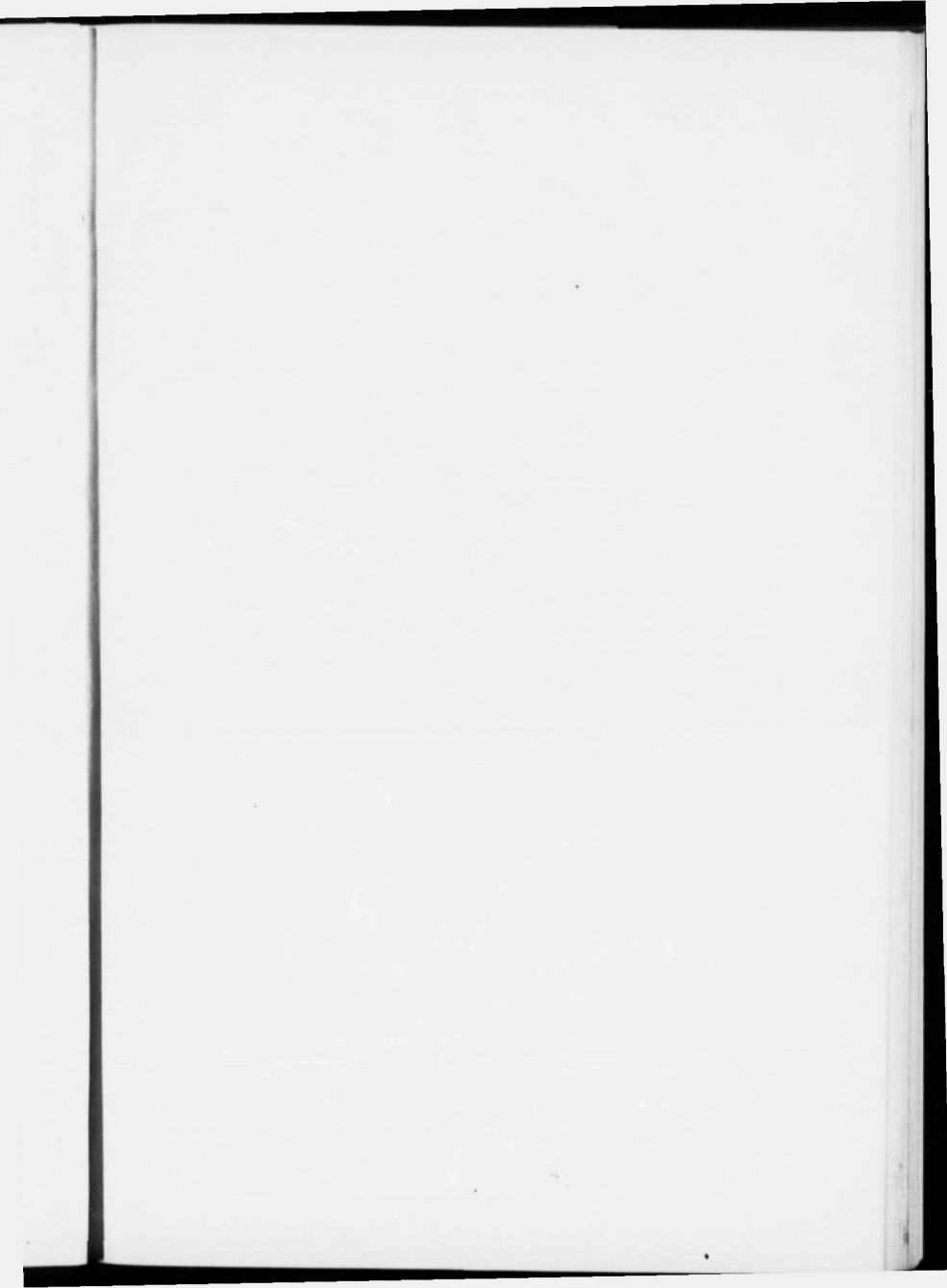
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MAP

Relief map of Canada and the United States Scale 250 miles to 1 inch

PROFILES

- Sheet 1—Canadian Pacific Railway, main line, Montreal to Winnipeg
- Sheet 2—Canadian Pacific Railway, main line, Winnipeg to Vancouver
- Sheet 3—Canadian Pacific Railway, old location *via* Yellowhead Pass
- Sheet 4—River St. Lawrence and Great Lakes



ERRATA

- Page 1—Twenty-fourth line from bottom, for 257 and 288 read 257 and 288, respectively
 7—Eighteenth, nineteenth, twentieth and twenty-first lines from top, for 1063 8, 1069 4, 1073 3 and 1073 5 read 1163 8, 1169 4, 1173 3 and 1173 5, respectively
 23—Twenty-first line from top, for 305 read 312
 25—Twenty-sixth line from bottom, for 054 read 644
 26—Tenth line from bottom, for elevation of Adnaston station 404 read 402
 34—Twenty-sixth line from top, for 1325, read 1326
 Tenth line from bottom, for 1426, read 1426
 37—Ninth line from bottom, for 1552, read 1557
 38—First line, for 961, read 955
 Fifth line from bottom, for 1552, read 1557
 Fourth line from bottom, for 1794, read 1696
 39—Third line from top, for 1505, read 1616
 Fourth line from top, for 1479, read 1500
 41—Twenty-seventh line from top, for 210 5, read 211 5
 Thirty-second line from top, for 4724, read 4247
 48—Twenty-second line from bottom, for *Vernation River*, read *Lake aux Sables*
 49—Nineteenth line from top, for 1261, read 1362
 50—Eleventh line from bottom, for *water*, read *high water*
 58—Thirty-fourth line from bottom, for 3224, read 3324
 62—Twenty-sixth line from top, for *rail*, read *ice*
 70—Sixth line from top, for *Brookfield*, read *Rockfield*
 72—Twenty-fifth line from top, for *Linestone*, read *Limchouse*
 78—Sixteenth line from bottom, for 857, read 852
 84—Twenty-first line from top, for 30, read 306
 89—Twenty-ninth line from bottom, for 1228, read 1226
 90—Fourteenth line from bottom, for 800, read 801
 108—Fifteenth line from bottom, for 305, read 311
 141—Second, third and fourth lines from bottom, for 583, 610 and 617, read 582, 609 and 616, respectively
 194—Twenty-first line from bottom, for 121 6, read 120 6
 224—Seventh line from top, for *Section 52*, read *Station 55*

ALTITUDES

IX

THE DOMINION OF CANADA

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver</i>		
0.0	Montreal, Place Viger station	58.49
1.6	Hochelaga station	62
4.5	Summit	227
4.9	Mile-End station	225
5.8	Ouirement junction	195
8.3	Jacques-Cartier junction	96
9.7	Sault aux Hochelets station	75
9.9	River des Prairies, water, 57; bed, 32; rail	75
11.5	St. Martin station	63
12.6	St. Martin junction, with Quebec section	110
17.1	Ste. Rose station	85
17.4	River des Mille Isles, water, 68; bed, 43; rail	85
17.8	Rosemere station	91
19.8	Ste. Thérèse junction, with Ste. Agathe, St. Lin and St. Eustache branches	120
23.7	River Chicot, water, 185; rail	183
27.4	St. Augustin station	227
30.1	Summit, ground, 279; rail	275
32.2	St. Scholastique station	238
32.6	Belle River, water, 221; bed, 216; rail	238
37.3	St. Hyernas station	256
43.1	Summit, ground, 264; rail	259
44.0	Laclute station	229
44.5	North River, water, 297; bed, 288; rail	211
48.6	St. Philippe West station	263
51.4	Summit, ground, 341; rail	335
56.8	Kinsey Brook, water, 216; rail	226
57.4	Greville station	210
59.4	Calumet	194
59.7	Calumet River, bed, 141; rail	179
61.6	Rouge River, high water (May, 1876), 140; ordinary low water, 126; rail	162
64.0	River au Chêne, water, 157; rail	179
64.6	Pointe au Chêne station	182
66.9	Salmon Brook, summer level, 133; bed, 129; rail	159
72.5	Salmon River, high water (1876), 149; ordinary low water, 126; bed, 118; rail	156
74.3	Montelello station	166
79.0	Papineauville station	149
83.8	North Nation Mills station	181
84.4	North Nation River, high water (1876), 141; bed, 113; rail	179
89.0	Little Blanche River, high water (1876), 160; ordinary high water, 153; rail	177
90.3	Thurso station	184
92.5	Blanche River, water (July 27, 1874), 128; bed, 123; rail	186
93.8	Rockland station	178
99.7	Buckingham station	183
100.2	Lièvre River (water, Ottawa River, Aug. 17, 1874, 126), water, 162; bed, 157; rail	183
103.6	L'Ange Gardien West station	183

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
169.2	Upper Blanche River, water, 138; bed, 134; rail	159
169.4	East Templeton station	159
114.2	Gatineau station	174
115.9	Gatineau River, high water (1876), 150; extreme low water, 125; rail	181
118.3	Hull station	180
119.7	Ottawa River, high water (1876), 174; (1877), 166; (1878), 167; (1879), 162; rail	188
120.3	Ottawa, Union station	175
121.7	Sleads station	214
124.4	Britannia	199
125.0	Ottawa River, Deschêpes Lake, water (Sept. 9, 1898), 187.5; rail	197
126.3	Canada Atlantic crossing, Can. Atl. Ry., rail, 237; Can. Pac. Ry., rail	215
128.1	Bells Corners station	296
131.0	Stittsville station	336
157.7	Summit	487
142.8	Ashton station	467
145.2	Appleton station (closed)	426
147.6	Carleton, junction with Brockville branch, north track	447
148.3	Mississippi River, high water, 433; low water, 427; bed, 423; rail	447
154.5	Almonte station	399
154.7	Mississippi River, water, 368; bed, 364; rail	402
158.3	Seneca station	379
163.1	Mississippi River, high water, 294; low water, 289; bed, 279; rail	321
163.4	Pakenham station	320
170.7	Madawaska River, high water, 240; low water, 242; (Ottawa River, at mouth of Madawaska, high water, 240; low water, 240); rail	287
171.3	Arnprior station	291
171.7	Canada Atlantic Railway crossing	392
171.3	Brossid station	279
176.5	Sand Point "	266
182.5	Castford "	207
186.4	Russells "	415
189.4	Renfrew "	416
190.4	Bonnechère River, water, 365; bed, 353; rail	389
193.0	Atlantic and North-west junction, with Eganville branch	494
196.7	Summit	543
198.1	Haleys station	330
200.9	Gould Creek, water, 484; rail	496
205.2	Colbren station	476
210.6	Snake River station	424
210.9	Snake River, water, 406; rail	416
214.3	Graham station	420
214.5	Muskat River, water, 409; rail	417
216.7	Summit, rail	467
218.6	Government Road station	414
224.0	Pembroke station	381
224.2	Bay of Ottawa River, high water (May, 1876), 375; low water (June 14, 1878), 368; rail	381
229.0	Stafford station	474
234.4	Petowawa station	467
234.4	Petowawa River, water, 437; bed, 431; rail	461
238.5	Summit	517
240.5	Thistle station	510
242.9	Chalk River, water, 477; bed, 471; rail	486
245.7	Chalk River station	524
250.9	Wylie station	528
255.2	Bass Lake station	609
258.0	Summit, natural surface, 710; rail	696
260.8	Moorlake station	623
262.5	Moore Lake, water, 613; rail	622
269.8	Mackey station	451
271.4	Henry Brook, water, 404; rail	421
274.0	Rockliffe station	478
283.9	Bissett "	550
290.6	Summit	753
292.0	Aylen station	725
296.5	Deux Rivières station	518
297.5	Ottawa River (Kelly Bay), high water (May 10, 1880), 482; low water, 469; rail	498

ALTITUDES IN CANADA.

3

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Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
507.3	Klok station	530
518.0	Mattawa, junction with Temiscaming branch	564
518.9	Bacon Creek, water, 525; rail	556
525.7	Calvin station	606
529.0	River Amable du Fond, water, 555; rail	579
530.1	Est Claire station	591
536.9	Rivthegien "	789
539.8	Summit, rail	838
543.9	B-ahid station	782
547.9	Nashong station	785
557.5	Thorncliff "	629
559.1	Nipissing junction, with Grand Trunk Ry., North Bay branch	677.6
563.5	North Bay station	659
563.1	Lake Nipissing, high water, 647.8; low water	610.5
573.5	Beaugay station	673
578.0	Meadowside "	661
586.8	Sturgeon Falls "	685
587.1	Sturgeon River, bed, 636; rail	684
589.7	Catch Bay station	652
597.4	Verner "	669
606.0	Warren "	689
612.0	Hagar "	675
618.5	Markstay "	685
622.0	Hillcrest " (closed)	739
625.9	Summit	864
626.2	Stimons station	862
630.6	Wahnapitac station	779
630.7	Wahnapitac River, high water, 772; bed, 749; rail	779
635.9	Rouford station	839
642.7	Su Brody, junction with Sault Ste. Marie branch	850
646.2	Summit, ground, 996; rail	992
649.7	Rayside station	881
654.9	Chelmsford station	881
655.1	Deadfall Brook, bed, 846; rail	880
660.4	Vermilion River, water, 842; bed, 838; rail	867
660.5	Larchwood station	868
664.0	Phelans "	927
666.7	Onaping " (closed)	1,047
671.0	Windy Lake "	1,221
677.9	Carrier " (by levels from Montreal)	1,364
	" " " Lake Superior)	1,338
681.6	Geneva Lake "	1,390
682.6	Summit, ground, 1,419; rail	1,408
685.2	Depression, ground, 1,280; rail	1,286
688.9	Summit, ground, 1,392; rail	1,386
689.3	Straight Lake station	1,373
698.0	Pogamasing "	1,454
591.2	Spanish River, water, 1,154; rail	1,171
595.7	Summit, ground, 1,282; rail	1,264
597.4	Spanish Forks station	1,263
597.9	Bay of Spanish River, water, 1,189; rail	1,201
512.2	Summit, ground, 1,330; rail	1,324
514.7	Metagama station	1,374
518.7	West branch Spanish River, water, 1,267; bed, 1,258; rail	1,273
522.1	Eureka Lake, high water, 1,384; low water	1,376
522.6	Eureka Lake station	1,391
524.5	Summit, ground, 1,412; rail	1,409
528.1	Houghton Lake, water, 1,325; rail	1,357
532.1	Biscatawing Lake, water, 1,321; rail	1,332
532.4	Biscatawing station	1,338
536.7	Summit, ground, 1,414; rail	1,411
541.2	Duchessay station	1,377
546.2	Pogamasing River, water, 1,339; rail	1,355
548.7	Ramsay station (summit)	1,463
553.0	Cat Lake, water, 1,372; rail	1,382
555.5	Turnbull station	1,300
555.8	Pogamasing River, water, 1,383; rail	1,392

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
556.9	Summit (height-of-land between Lake Huron and Hudson Bay), ground, 1,423; rail.....	1,417
558.2	Branch of Woman River, bed, 1,382; rail.....	1,388
564.0	Woman River, water, 1,437; rail.....	1,444
564.1	Woman River station.....	1,444
566.5	Summit, ground, 1,529; rail.....	1,516
568.0	Brook, bed, 1,449; rail.....	1,464
571.0	Summit, rail.....	1,469
572.2	Winnelago station.....	1,461
573.1	Winnelago River, water, 1,429; rail.....	1,447
574.5	Summit, ground, 1,462; rail.....	1,477
580.6	Ridout station.....	1,369
585.4	Apiskinagama River, water, 1,353; rail.....	1,364
586.9	Summit, rail.....	1,412
589.7	Kinegama station.....	1,370
595.9	Summit, ground, 1,494; rail.....	1,487
598.6	Nemegosenda River, water, 1,419; rail.....	1,425
598.8	Nemegosenda station.....	1,426
604.3	Summit, ground, 1,517; rail.....	1,513
605.1	Lac Poulin station.....	1,504
607.7	Lac Poulin, water, 1,481; rail.....	1,498
613.8	Kebsquaesling River, high water, 1,465; low water, 1,462; rail.....	1,413
615.2	Charleau station.....	1,418
615.6	Kebsquaesling Lake, high water, 1,467; low water, 1,463; rail.....	1,418
620.0	Grice Lake, water, 1,459; rail.....	1,469
622.2	Ester station.....	1,489
623.9	Lake Wangoom, high water, 1,486; rail.....	1,496
625.3	Summit, ground, 1,560; rail.....	1,541
626.8	Lake Como, water, 1,501; rail.....	1,518
628.8	Summit, height-of-land between Lake Huron and Hudson Bay.....	1,536
629.2	Parde station.....	1,528
637.6	Brook.....	1,410
638.2	Lake Windermere, high water, 1,413; low water.....	1,408
642.6	Summit, ground, 1,465; rail.....	1,448
644.6	Windermere station.....	1,437
645.0	Echo Lake, water, 1,434; rail.....	1,439
646.3	Summit, ground, 1,475; rail.....	1,463
649.0	De-mage Lake, water, 1,385; rail.....	1,395
652.9	Bolekov station.....	1,381
660.0	Brook, water, 1,098; rail.....	1,137
661.0	Dalton station.....	1,162
661.9	Ousiwivi Brook, water, 1,122; bed, 1,118; rail.....	1,155
665.3	Summit, rail.....	1,240
666.8	Carry station.....	1,226
674.2	Dog Lake, "Lochalsh Narrows," water, 1,094; rail.....	1,069
675.0	Misanabic station.....	1,106
677.2	Summit, ground, 1,166; rail.....	1,140
678.7	Lochalsh River, high water, 1,096; low water, 1,091; rail.....	1,099
681.2	Loch Lomond River, water, 1,094; bed, 1,090; rail.....	1,121
685.1	Lochalsh station.....	1,182
687.4	Trout Brook, water, 1,172; rail.....	1,187
691.1	Summit, ground, 1,346; rail.....	1,331
694.0	Otter station.....	1,210
701.9	Williams ".....	1,190
705.2	Maggie River and Lake, water, 1,138; rail.....	1,164
710.2	Grasset station.....	1,246
717.4	Godwood station (summit).....	1,441
719.4	Siding.....	1,464
721.1	Chisholm Brook, water, 1,403; bed, 1,400; rail.....	1,436
722.5	Summit, ground, 1,527; rail.....	1,496
726.8	Amoyot station.....	1,386
727.5	Buch Lake, water, 1,306; rail.....	1,380
734.8	White River, water, 1,302; bed, 1,289; rail.....	1,331
737.1	O'Brien station (summit).....	1,442
739.8	White-fish Brook, water, 1,329; rail.....	1,362
744.9	White River, water, 1,239; rail.....	1,245
746.7	White River station.....	1,230
750.9	Summit, ground, 1,295; rail.....	1,269

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
754.8	Denison station	1,171
759.5	White River, water, 1,136; bed, 1,129; rail	1,147
762.4	Quingnish River, water, 1,125; bed, 1,115; rail	1,132
762.8	Brenner station	1,129
765.7	White River, water, 1,107; bed, 1,080; rail	1,119
768.5	White Lake, water, 1,073; rail	1,080
769.8	Montizambert station	1,059
771.7	White River, high water, 1,073; low water, 1,068; bed, 1,057; rail	1,081
773.4	Summit, ground, 1,151; rail	1,124
776.4	Trudeau station	1,042
780.9	Cedar River, water, 1,027; bed, 1,022; rail	1,038
782.2	Summit, ground, 600 ft. east, 1,105; rail	1,091
784.0	Long Lake Brook, water, 1,097; rail	1,032
786.7	CACHE LAKE station	968
787.8	CACHE LAKE, water	954
796.6	Melgrund station	815
797.4	Black Pie River, water, 796; bed, 734; rail	805
801.2	Pie River, water, 693; bed, 392; rail	863
802.3	Heon Bay station	708
804.5	Summit, ground, 500 ft. west, 778; rail	752
808.8	Depression, ground, 651; rail	671
810.0	Summit, ground, 500 ft. west, 733; rail	721
810.7	Peninsula station	707
815.2	Port Minto, bed of stream, 623; rail	674
817.4	Summit (Oxter Lake, water, 748); rail	730
817.8	Red Sucker station	733
818.2	Red Sucker Cove, water (Lake Superior), 690.5; bed, 581; rail	714
819.8	Mink River, water, 692; bed, 601; rail	648
821.5	Port Coldwell station	711
824.6	Summit, ground, 893; rail	845
828.1	Little Pie River, water, 612; bed, 606; rail	653
829.9	Middleton station	691
832.9	Depression, ground, 616; rail	638
838.7	Steel Lake station (summit)	741
840.9	Steel Lake, water, 695; rail	713
841.8	Steel River, water, 669; bed, 607; rail	672
846.5	Jackfish station	632
851.6	Blackbird Brook, water, 619; bed, 617; rail	698
856.9	Black River station	894
857.5	Black River, water, 819; rail	887
862.0	Summit, ground and rail	1,010
863.5	Depression, ground, 871; rail	954
865.4	Schred station	963
866.8	Summit, ground, 1,037; rail	1,023
873.0	Winston station	702
874.6	Maggot River, water, 648; bed, 644; rail	701
879.6	Rossport station	643
885.8	Pays Plat River, water, 601; rail	609
887.4	Pays Plat station	621
890.8	Summit, ground, 741; rail	658
892.5	Tunnel, surface of ground, 765; rail	645
895.8	Gravel River station	628
898.6	Gravel River, water, 608; rail	621
903.9	Gurney (formerly Cypress River) station	626
904.3	Cypress River, water, 613; bed, 610; rail	628
908.7	Summit, ground and rail	728
911.6	Jackpine River, bed, 622; rail	644
911.9	Manokama station	648
918.6	Jackfish River, water, 601; rail	622
920.5	Fire Hill station	693
923.1	Summit, ground, 728; rail	713
927.5	Niigon River, high water, 694; low water, 692; rail	685
928.3	Niigon station	685
931.0	Depression, rail	607
935.6	Trout Brook, water, 625; bed, 622; rail	644
937.0	Sprucewood (formerly Trout Creek) station (summit)	689
939.0	Black Sturgeon River, water, 611; bed, 594; rail	606
945.7	Wolf River station	607

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
948.4	Wolf River, water, 663; bed, 599; rail.....	629
954.2	Ouinnet station.....	739
961.3	Pearl River station.....	850
961.4	Pearl River, water, 846; bed, 838; rail.....	851
968.5	Summit, ground, 1,099; rail.....	1,072
970.0	Leon Lake station.....	1,028
971.0	MacKenzie River, water, 989; bed, 987; rail.....	1,000
978.5	" " 895; " 890; " ".....	902
979.1	MacKenzie station.....	911
985.7	McLean.....	749
991.6	Current River, water, 629; bed, 626; rail.....	638
993.0	Port Arthur station.....	608
	Lake Superior, standard low water, 599.61; high water, 603.68; mean water (1871-1895).....	600.49
997.3	Fort William station.....	607
999.3	Kaministiquia River, low water (1879), 599.6; bed, 586; high water (1879).....	612
1,000.0	Fort William West station.....	635
1,000.0	Kaministiquia River, bed, 584; low water, 602; high water.....	614
1,004.9	Needing station.....	715
1,010.7	Murillo station.....	947
1,013.7	Summit, ground, 1,082; rail.....	1,080
1,014.3	Lobden station (closed).....	1,072
1,014.9	Depression, ground, 1,045; rail.....	1,053
1,015.5	Summit, ground, 1,082; rail.....	1,081
1,015.6	Kakabeka station (summit).....	1,084
1,020.5	Strawberry Brook, bed, 977; high water, 985; low water, 982; rail.....	994
1,021.1	Kaministiquia station.....	1,013
1,021.5	Kaministiquia River, bed, 975; high water, 997; low water, 993; rail.....	1,013
1,025.7	Matawin River, bed, 1,078; low water, 1,082; high water, 1,089; rail.....	1,098
1,025.9	Sunshine station.....	1,053
1,027.3	Sunshine Brook, 1st crossing, bed, 1,106; low water, 1,109; high water, 1,113; rail.....	1,122
1,028.9	Sunshine Brook, 3rd crossing, bed, 1,151; low water, 1,158; high water, 1,162; rail.....	1,168
1,030.4	Finmark station.....	1,180
1,034.6	Sunshine Brook, bed, 1,359; water, 1,334; rail.....	1,352
1,037.7	Buda station (summit).....	1,472
1,038.6	Oskondiga River, bed, 1,415; water, 1,421; rail.....	1,453
1,039.4	Tunnel, rail (51 ft. below top of rock above).....	1,458
1,043.4	Oskondiga station.....	1,419
1,045.5	Oskondiga River, bed, 1,426; water, 1,428; rail.....	1,441
1,048.8	Nordland station (closed).....	1,543
1,050.4	Dexter station.....	1,582
1,051.1	Summit, ground and rail.....	1,585
1,053.2	South-east branch Savanne River, bed, 1,534; water, 1,545; rail.....	1,534
1,055.3	" " " 1,537; " 1,538; " ".....	1,546
1,058.6	Lunkoping station.....	1,534
1,064.5	Athara.....	1,540
1,069.2	Savanne.....	1,506
1,069.8	North branch Savanne River, bed, 1,487; water, 1,498; rail.....	1,506
1,075.5	Biota station.....	1,553
1,079.7	Upsala.....	1,562
1,087.2	Carlstadt.....	1,515
1,087.3	Hay Lake, water, 1,505; rail.....	1,515
1,092.1	Five-steeple River, bed, 1,500; water, 1,505; rail.....	1,513
1,094.8	Nidlock station.....	1,536
1,095.8	Beaver River, bed, 1,519; water, 1,526; rail.....	1,532
1,097.2	Bridge River station (closed).....	1,543
1,102.3	Shebandowan station.....	1,540
1,104.0	Burnt River, bed, 1,501; water, 1,510; rail.....	1,520
1,107.2	Hawk Lake, water, 1,509; rail.....	1,518
1,108.8	English River, bed, 1,504; water, 1,511; rail.....	1,516
1,109.6	English River station.....	1,518
1,110.2	Scott River, bed, 1,505; water, 1,512; rail.....	1,517
1,117.2	Summit, ground, 1,569; rail.....	1,559
1,117.6	Martin station.....	1,538
1,121.0	Depression, rail.....	1,484
1,124.0	Tamarac station.....	1,513

Station	Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>			
	1,125.2	Summit, rail	1,550
629	1,127.6	Bonheur station	1,531
739	1,130.0	Summit, rail	1,555
850	1,131.9	South Lake, water, 1,496; rail	1,511
851	1,133.3	Depression, rail	1,479
972	1,134.6	Woonga station	1,518
928	1,137.3	Gull River, bed, 1,457; water, 1,459; rail	1,480
900	1,138.4	Falcon station	1,569
902	1,141.9	Argonne River, bed, 1,467; rail	1,490
911	1,145.7	Ignace station	1,487
749	1,147.2	Quarry spur	1,487
538	1,150.4	Osaquan station	1,429
908	1,152.2	Osaquan River, bed, 1,413; rail	1,428
	1,152.6	Megrund station	1,429
	1,154.0	Butler	1,423
300-49	1,159.2	Little Wabigoon River, bed, 1,396; rail	1,497
307	1,166.5	Glencoe River, bed, 1,399; rail	1,408
512	1,166.5	Raleigh station	1,440
535	1,163.8	Raleigh station	1,433
514	1,162.9	Ringsby	1,440
715	1,167.3	Little Wabigoon River, bed, 1,348; rail	1,433
747	1,175.5	Tache station	1,396
880	1,175.5	Burnt Stick Brook, bed, 1,313; rail	1,347
772	1,177.2	Kirkpatrick Brook, bed, 1,319; rail	1,352
553	1,179.4	Dyment station	1,359
881	1,179.7	Bear Brook, bed, 1,334; rail	1,353
884	1,181.1	Kennelcutch Lake, water, 1,357; rail	1,342
914	1,183.7	Brul station	1,355
913	1,188.0	Little Wabigoon Lake, water	1,296
888	1,190.5	Duocwie station	1,289
853	1,191.9	McHugh Brook, bed, 1,296; rail	1,220
	1,193.9	Summit, rail	1,235
	1,195.6	Wabigoon Lake, water	1,296
122	1,195.6	Hughes River, bed, 1,291; water, 1,296; rail	1,210
968	1,196.0	Wabigoon station	1,211
980	1,197.9	Black-water Brook, bed, 1,199; water, 1,206; rail	1,210
552	1,199.5	Thunder Brook, bed, 1,204; water, 1,209; rail	1,225
172	1,201.1	Elm Bay spur	1,239
153	1,203.2	Barelay station	1,251
558	1,204.9	Summit, ground, 1,277; rail	1,267
919	1,208.7	Dydon station	1,220
941	1,208.8	Wabigoon River, water, 1,182; bed, 1,177; rail	1,220
443	1,214.2	Shoshogawae River, bed, 1,150; rail	1,160
852	1,215.3	Osdritt station	1,161
82	1,219.3	Beaver River (1st crossing), bed, 1,127; rail	1,149
54	1,219.9	Beaver River (2nd crossing), bed, 1,128; rail	1,138
46	1,222.9	Mimital station	1,139
34	1,222.9	Beaver River (3rd crossing), bed, 1,122; rail	1,153
40	1,225.1	Eagle River station	1,186
66	1,225.5	Eagle River, bed, 1,149; water, 1,165; rail	1,190
46	1,228.2	Summit, ground, 1,275; rail	1,268
53	1,239.6	Anderson Pit siding	1,262
62	1,255.3	Vernon Bay station	1,221
45	1,255.8	Grass Brook, bed, 1,190; rail	1,213
15	1,240.2	Eagle Lake, water, 1,188; rail	1,212
33	1,243.1	Gilbert station	1,216
36	1,244.3	Muskat Lake, water, 1,195; rail	1,206
32	1,245.3	Strawberry Lake, water	1,199
43	1,248.7	Summit, ground and rail	1,265
40	1,249.8	Parrywood station	1,294
20	1,251.8	Stewart Lake, water, 1,203; rail	1,329
18	1,253.3	Summit, ground and rail	1,381
16	1,254.3	Swan Lake Brook, bed, 1,232; rail	1,363
17	1,255.3	Jack Pine station	1,374
18	1,255.6	Parrywood Lake, water, 1,275; rail (summit)	1,378
50	1,256.4	Uxverson Lake, water, 1,258; rail	1,365
58	1,256.8	Mud Lake, water, 1,225; rail	1,357
84	1,257.8	Feist Lake, water, 1,238; rail	1,348
13	1,258.6	Turtle Lake, water, 1,336; rail	1,377

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,259 0	Summit, ground, 1,293; rail	1,286
1,259 0	Summit Lake, water	1,284
1,260 2	Caribou Lake, water, 1,226; rail	1,262
1,260 7	Summit station	1,247
1,262 7	Lily Lake, water, 1,285; rail	1,268
1,263 7	Clare Lake, water, 1,284; rail	1,236
1,265 0	Viabnet Lake, water, 1,248; rail	1,283
1,266 2	Hawk Lake station	1,290
1,268 4	Narrow Lake, water, 1,258; rail	1,256
1,273 2	MacMillan station	1,238
1,273 9	Trout Lake Brook, bed, 1,217; rail	1,249
1,277 0	Scovil station	1,187
1,282 4	Margach "	1,129
1,285 9	Garwood "	1,136
1,290 9	Rat Portage "	1,088
1,291 7	Winnipeg River, low water, 1,054; rail Lake of the Woods, water (1878), 1,056; (1879), 1,060; high water (1879), 1,062; low water, 1,054; iron water	1,038 1,057
1,293 7	Norman station	1,056
1,294 4	Kee-watin "	1,078
1,295 2	Winnipeg Bay, water, 1,044; rail	1,063
1,296 0	Mink Bay, water, 1,044; rail	1,063
1,299 4	War Eagle Lake, water, 1,089; rail	1,122
1,301 0	Ostersund station	1,116
1,304 7	Roosted "	1,191
1,305 1	Summit, ground 600 ft. east, 1,217; rail	1,188
1,306 4	Lake Helen, water, 1,138; rail	1,152
1,306 8	Deception Lake, water, 1,094; rail	1,141
1,308 6	Bear Lake, water, 1,183; rail	1,136
1,309 1	Summit, ground, 1,253; rail	1,149
1,309 7	Deception station	1,216
1,311 7	Monument Lake, water, 1,178; rail	1,219
1,312 6	Pine Lake, water, 1,184; rail	1,227
1,314 1	Kahnar station	1,218
1,315 8	Summit Lake, water, 1,253; rail	1,256
1,315 9	Hornev station	1,246
1,316 8	Kennedy Lake, water, 1,242; rail	1,244
1,317 5	Whitefish Lake, water, 1,214; rail	1,244
1,319 5	Summit, ground, 600 ft. east, 1,242; rail	1,222
1,322 0	Jugell station	1,185
1,322 7	Summit, ground, 1,220; rail	1,191
1,325 5	Cross Lake station	1,115
1,328 2	Cross Lake, water	1,046
1,329 9	Depression, rail	1,054
1,332 2	Maudsløe siding	1,059
1,335 0	Telford station	1,168
1,336 9	Summit, rail	1,115
1,342 4	Brenton River, water, 1,042; rail	1,051
1,342 7	Rennv station	1,052
1,348 4	Bog River, water, 966; rail	1,009
1,348 9	Culver station	968
1,349 9	Bog River, water, 932; rail	970
1,350 2	Rath station	972
1,353 1	Darwin "	1,053
1,357 7	Bog River, water, 922; rail	980
1,361 8	Whitemouth River, ice, 877; high water, 888; flood, 896; rail	965
1,362 6	Whitemouth station	968
1,363 5	Beaver Brook, water, 884; rail	929
1,368 7	Shelby station	928
1,373 5	Juline "	879
1,378 3	Mobson, junction with Lac du Bonnet branch	831
1,381 1	Bear Brook, water, 821; rail	786
1,384 8	Brokenhead River, water, 784; rail	796
1,385 4	Simot station	798
1,388 0	Lesaujour station	815
1,394 6	Tyndall "	730
1,396 0	Devil Brook, water, 709; rail	777

ALTITUDES IN CANADA.

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,402.7	East Selkirk station*.....	744
	Red River, two miles west of East Selkirk, ice (1876, probably two feet above extreme low water), 713; flood (1876), 724; flood (1875), 736; extreme high water, flood (1826), 733; range, 22 feet.....	711 733
1,402.9	Cook Brook, water (May 18, 1877), 730; rail.....	759
1,408.8	Gonor station.....	759
1,415.9	Birds Hill station.....	761
1,421.6	Winnipeg junction, with Emerson branch.....	757
1,422.8	Red River, at Louise bridge, extreme low water, 722; flood (1826), 762; (1825), 745; rail.....	753
1,423.6	Winnipeg station.....	757
1,425.1	West Selkirk branch junction.....	759
1,425.5	Air Line junction, with Stone-wall branch.....	761
1,426.9	Colony Brook, water, 729; rail.....	776
1,427.0	" " 772; ".....	781
1,431.9	Bergon station.....	781
1,438.8	Rosser ".....	796
1,445.9	Meadows ".....	793
1,452.5	Marquette ".....	807
1,458.8	Redburn ".....	805
1,459.3	Long Lake, low water, 798; high water, 803; rail.....	804
1,464.0	Poplar Point station.....	815
1,472.3	High Bluff station.....	829
1,474.6	Portage la Prairie, junction with North Western branch.....	854
1,487.9	Dry Brook, bed, 858; rail.....	872
1,487.1	Burnside station.....	872
1,488.7	Rat Brook, water, 892; rail.....	890
1,491.7	Bagot station.....	955
1,492.2	Image Brook, water, 939; rail.....	953
1,501.2	McGregor station.....	955
1,508.1	Austin ".....	1,005
1,516.2	Sylvney ".....	1,232
1,521.6	Melbourne ".....	1,248
1,523.3	Pine Brook, water, 1,199; rail.....	1,224
1,529.1	Cartbery station.....	1,258
1,537.5	Sewell ".....	1,255
1,545.1	Douglas ".....	1,222
1,559.8	Chater, junction with North Central branch.....	1,215
1,554.6	Assiniboine River, water, 1,159; rail.....	1,177
1,546.3	Brandon station.....	1,194
1,544.3	Kennay, junction with Souris branch.....	1,364
1,572.1	Alexander station.....	1,401
1,581.9	Griswold ".....	1,417
1,586.9	Flat Brook, water, 1,379; rail.....	1,391
1,588.3	Oak Lake station.....	1,415
1,596.3	Routledge ".....	1,420
1,602.5	Grapher Brook, water, 1,404; rail.....	1,444
1,603.6	Virden station.....	1,444
1,611.7	Hargrave ".....	1,579
1,620.2	Elkhorn ".....	1,620
1,627.9	Kirkella ".....	1,681
1,634.4	Fleming ".....	1,794
1,642.7	Mossomin ".....	1,884
1,650.9	Red Jacket ".....	1,950
1,658.8	Wapella ".....	1,948
1,666.4	Burrows ".....	1,966
1,672.8	White-wood ".....	2,038
1,673.8	Pocreval ".....	2,054
1,684.5	Souris, rail.....	1,960
1,687.5	Breadview station.....	1,952
1,691.3	Weed Brook, bed, 1,929; rail.....	1,932
1,695.6	Oakshela station.....	1,957
1,703.5	Grenfell ".....	1,938
1,711.0	Sumnerberry ".....	1,950
1,718.7	Wolsely ".....	1,950

* The original location crossed the river at this point and continued in a north-westerly direction to the North Saskatchewan River, and beyond.

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,727.5	Sinaluta station	1,984
1,737.7	Indum Head "	1,924
1,747.4	Qu'Appelle "	2,134
1,756.0	McLean "	2,294
1,757.9	Summit, rail	2,286
1,765.0	Balgone station	2,187
1,771.6	Pilot Butte "	2,016
1,780.2	Regina, junction with Prince Albert branch	1,889
1,782.2	Wascana River, rail	1,861
1,787.7	Grand Coulee station	1,857
1,792.3	Grand Coulee Brook, rail	1,842
1,797.1	Pense station	1,881
1,804.9	Belle Plaine station	1,902
1,813.8	Pasqua, junction with Pasqua branch	1,872
1,821.7	Moosejaw Brook, bsd, 1,749; rail	1,761
1,821.9	Moosejaw station	1,767
1,830.1	Boharm "	1,792
1,838.1	Caron "	1,841
1,847.2	Mortlach "	1,961
1,856.4	Parkebg "	1,982
1,866.5	Summit (on the Missouri Coteau), rail	2,276
1,866.8	Secretan station	2,202
1,875.9	Chaplin "	2,288
1,885.0	Embold "	2,374
1,887.8	Summit, rail	2,274
1,895.4	Morse station	2,311
1,904.2	Herbert "	2,377
1,908.8	Summit, rail	2,301
1,913.0	Rush Lake station	2,420
1,919.0	Summit, rail	2,457
1,929.3	Waldeck station	2,401
1,928.4	Aikins "	2,423
1,933.3	Swift Current Brook, water, 2,306; rail	2,468
1,934.2	Swift Current station	2,474
1,943.2	Leven "	2,465
1,948.4	Scoway "	2,586
1,952.5	Goose Lake (closed)	2,583
1,955.8	Summit	2,542
1,955.9	Webb station	2,590
1,957.3	Depression, rail	2,556
1,959.1	Summit "	2,562
1,962.1	Antelope station	2,627
1,969.9	Gull Lake "	2,614
1,978.4	Carmichael (formerly Cypress) station	2,478
1,985.6	Tompkins station	2,518
1,989.0	Sidewood "	2,568
1,994.1	Crane Lake "	2,569
2,007.5	Summit, rail	2,565
2,009.5	Colley station	2,435
2,012.8	Summit, rail	2,405
2,020.3	Maple Creek station	2,436
2,029.8	Maple Creek, high water, 2,491; rail	2,405
2,029.9	Kincaid station	2,531
2,032.5	Summit, rail	2,546
2,039.9	Forbes station	2,428
2,044.2	Cummings "	2,378
2,051.5	Walsh "	2,450
2,060.0	Summit, rail	2,222
2,064.9	Irvine station	2,493
2,065.4	Dunmore "	2,465
2,078.8	Dunmore junction, with Crow Nest branch	2,508
2,083.9	Medicine Hat station	2,471
2,084.2	South Saskatchewan River, low water, 2,137; high water, 2,154; rail	2,173
2,091.1	Strat station	2,431
2,098.7	Bowell "	2,575
2,099.3	Summit, rail	2,594
2,106.2	Depression, rail	2,384
2,110.2	Stullfield station	2,455

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Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
	<i>Montreal to Vancouver—Con.</i>	
4	2,118 8 Langevin station (summit).....	2,495
4	2,127 7 Kinnivie "	2,429
4	2,136 9 Tilley "	2,462
6	2,142 9 Summit, rail	2,506
7	2,146 7 Rantry station	2,471
6	2,150 8 Water tank	2,474
5	2,156 7 Cassils station	2,517
5	2,164 3 Southesk "	2,501
5	2,173 5 Latham "	2,559
5	2,181 1 Bassano "	2,589
5	2,188 0 Summit, rail	2,729
5	2,189 5 Crowfoot station.....	2,698
5	2,192 0 Summit	2,739
5	2,193 7 Crowfoot Brook, rail.....	2,689
5	2,200 1 Cluny station	2,850
5	2,208 4 Gleichen "	2,952
5	2,219 6 Water tank	3,032
5	2,221 0 Nanaka station	3,022
5	2,224 7 Stratimour "	3,032
5	2,253 0 Cheadle "	3,189
5	2,243 1 Langdon "	3,291
5	2,248 4 Summit, rail	3,372
5	2,251 8 Depression, rail	3,353
5	2,253 7 Shepard station	3,369
5	2,256 5 Summit, rail	3,498
5	2,299 4 Bow River, water, 3,354; rail.....	3,373
5	2,262 5 Calgary junction, with Edmonton and McLeod branches.....	3,410
5	2,262 8 Elbow River, high water, 3,491; low water, 3,394; rail.....	3,410
5	2,263 7 Calgary station	3,428
5	2,270 3 Bow River, water, 3,492; bed, 3,484; rail	3,506
5	2,273 0 Keith station	3,553
5	2,286 5 Coalville "	3,749
5	2,289 2 Mirford "	3,722
5	2,289 4 Bow River, high water, 3,695; low water, 3,692; bed, 3,687; rail	3,715
5	2,286 7 Radnor station	3,885
5	2,265 2 Morley "	4,067
5	2,315 4 Kananaskis River, water, 4,160; bed, 4,157; rail	4,202
5	2,316 6 Bow River, water, 4,188; rail.....	4,291
5	2,317 7 Kananaskis station	4,220
5	2,321 6 Lac des Aves (Bow River), water, 4,217; rail.....	4,222
5	2,325 5 "The Gap" siding	4,232
5	2,326 2 Bow River, water, 4,231; rail.....	4,236
5	2,330 8 Canmore station	4,284
5	2,336 6 Bow River, high water, 4,352; low water, 4,349; rail	4,359
5	2,337 6 " " " 4,370; " " 4,367; "	4,378
5	2,338 4 Duthill station	4,387
5	2,340 9 Antaresite "	4,400
5	2,341 7 Cascade River, bed, 4,529; rail	4,525
5	2,342 9 Summit, rail	4,573
5	2,345 4 Banff station	4,521
5	2,347 7 Forty mile Brook, water, 4,512; bed, 4,511; rail	4,518
5	2,351 6 Cascade station	4,537
5	2,352 3 Muleshoe Lake, water, 4,532; rail	4,538
5	2,356 2 Bow River, water, 4,565; rail	4,691
5	2,360 1 Johnson Brook, high water, 4,636; low water, 4,633; rail	4,641
5	2,362 4 Castle Mountain station	4,690
5	2,370 0 Eulon station	4,817
5	2,372 0 Baker Brook, bed, 4,859; rail	4,864
5	2,377 6 Pipestone Brook, water, 4,956; bed, 4,954; rail	4,976
5	2,379 7 North branch Bow River, bed, 5,025; rail.....	5,035
5	2,380 0 Luggan station	5,037
5	2,381 2 South branch Bow River, water, 5,054; bed, 5,051; rail	5,041
5	2,381 4 Bath Creek, bed, 5,065; rail	5,073
5	2,385 5 Summit of Kicking Horse Pass, main divide, Rocky Mountains—highest point on the Canadian Pacific Railway).....	5,329
5	2,385 8 Summit Lake, water	5,317
5	2,386 1 Stephen station	5,321
5	2,388 5 Hector "	5,207

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,384.6	Kicking Horse Lake, water	5,204
2,389.1	Kicking Horse River, bed, 5,193; rail	5,204
2,393.1	Mount Stephen tunnel, rail	4,344
2,396.2	Field station	4,664
2,398.5	"Muskeg" summit, rail	4,172
2,401.6	Oortoftail Brook, bed, 3,752; rail	3,854
2,403.4		3,686
2,404.5	Kicking Horse River, bed, 3,674; rail	3,694
2,410.2	Leaneholl station	3,579
2,412.2	Summit, ground, 3,681; rail	3,677
2,416.4	Kicking Horse River, water, 3,305; bed, 3,295; rail	3,318
2,417.9	Palliser station	3,283
2,423.2	Glenogle "	2,991
2,426.8	Kicking Horse River, water, 2,697; rail	2,715
2,430.2	Golden station	2,580
2,430.2	Columbia River, at mouth of Kicking Horse River, water	2,567
2,432.0	Ray of Columbia River, water, 2,554; rail	2,561
2,436.8	Mobley station	2,546
2,439.6	Blueberry River, bed, 2,553; rail	2,572
2,446.2	Donald station (by levels from Lake Superior)	2,574
2,446.2	" " " Pacific Ocean)	2,586
2,447.0	Columbia River, 1st crossing, high water, 2,539; low water, 2,519; bed, 2,507; rail	2,566
2,448.5	Summit	2,601
2,449.9	Old Man Creek, bed, 2,520; rail	2,531
2,451.2	Redgrave station	2,540
2,458.4	Beavermouth "	2,435
2,461.3	Bowyer River, bed, 2,529; rail	2,559
2,463.9	Six Mile Creek station	2,617
2,468.9	Cedar station	3,143
2,471.7	Stony Creek, bed, 3,224; rail	3,501
2,473.2	Bear Creek station	3,673
2,475.1	Cascade Creek, bed, 3,859; rail	3,904
2,478.2	Rogers Pass station	4,294
2,480.9	Summit of Rogers Pass, Selkirk Mountains, ground, 4,361; rail	4,351
2,482.5	Glacier station	4,063
2,485.8	Hicelliwat River, bed, 3,689; rail	3,744
2,487.0	" " " 3,574; "	3,389
2,492.7	Ross Peak station	3,456
2,492.7	Hicelliwat River, bed, 3,096; rail	3,165
2,497.3	" " " 2,722; "	2,758
2,497.9	Hicelliwat station	2,710
2,501.1	Hicelliwat River, bed, 2,422; rail	2,481
2,504.5	Albert Canyon station	2,227
2,512.5	Twin Butte Creek, bed, 1,890; rail	1,951
2,514.3	Twin Butte station	1,967
2,518.4	Gresley Creek, high water, 1,690; bed, 1,687; rail	1,669
2,523.8	Hicelliwat River, water, 1,611; bed, 1,593; rail	1,635
2,526.1	Revelstoke, junction with Arrow Lake branch	1,588
2,527.4	Columbia River, extreme high water, 1,459; low water, 1,432; bed, 1,424; rail	1,503
		1,481
2,534.4	Summit of Eagle Pass, Gold Range, ground, 1,840; rail	1,822
2,534.9	Summit Lake, high water, 1,807; low water, 1,804; rail	1,811
2,535.1	Clanwilliam station	1,801
2,535.9	Victoria Lake, water, 1,746; rail	1,755
2,539.0	Three Valley Lakes, water	1,631
2,540.8	Eagle River, water, 1,618; bed, 1,614; rail	1,626
2,543.1	Griffin Lake station	1,511
2,553.8	Craigellaebie "	1,229
2,556.9	Eagle River, bed, 1,178; rail	1,199
2,562.7	" " " 1,133; rail	1,176
2,570.0	Shuswap Lake, high water, 1,152; low water, 1,156; rail	1,157
2,570.2	Seamuson, junction with Shuswap and Okanagan branch	1,156
2,577.9	Mowitch station	1,179
2,588.8	Salmon Arm "	1,158
2,591.8	Kualt siding	1,159
2,596.2	Tappen station	1,161
2,601.6	203-mile siding	1,484

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,605 3	Notch Hill station (Shuswap summit), ground and rail	1,692
2,612 8	Squilax	1,322
2,613 8	Trail Creek, bed, 1,217; rail	1,270
2,619 1	Chase Creek, bed, 1,172; rail	1,177
2,621 1	Shuswap station	1,154
2,637 1	Ducks	1,136
2,646 2	Furber	1,161
2,651 3	Kamloops	1,160
	The original location of the Canadian Pacific turned northward at this point up the valley of the North Thompson River.	
2,650 0	Kamloops Lake, high water, 1,138; low water	1,110
2,662 8	Tranquille station	1,142
2,668 8	Cherry Creek	1,142
2,679 5	Sayona	1,161
2,684 5	Summit, rail	1,291
2,686 3	Pemys station	1,280
2,692 8	Scudlin	1,156
2,695 7	Thompson River, high water, 998; low water	992
2,700 2	Thompson River at mouth of Bonaparte River, high water, 966; low water	959
2,701 5	Ashcroft station	1,094
2,707 5	Nelson Creek, bed, 916; rail	906
2,708 1	Basque station	865
2,711 4	Thompson River, high water, 865; low water	856
2,715 1	Spatsum station	859
2,720 1	Thompson River, high water, 824; low water	818
2,725 3	Nicola River, high water, 742; low water, 731; rail	756
2,726 9	Spences Bridge station	776
2,733 5	Dymoch	750
2,735 1	Wagon road crossing	751
2,738 9	Nicomen River, high water (June, 1882), 682; low water, 662; rail	678
2,740 8	Thompson station	678
2,741 1	Gladwin	765
2,746 0	Summit, ground, 815; rail	786
2,749 1	Lytton station	695
2,755 3	Fraser River, high water (1876), 464; low water (Oct. 9, 1880), 417; rail	538
2,755 9	Kanaka station	563
2,757 9	Quosek Creek, water, 498; rail	592
2,759 6	Skowash Creek, water, 497; rail	586
2,765 0	Keefers station	563
2,768 2	Salmon River, water (June 29, 1881), 361; rail	467
2,768 2	Fraser River, " " "	354
2,770 8	Chatumox station	568
2,773 2	Summit, ground, 544; rail	534
2,775 8	North Bend station	495
2,780 0	Fraser River, high water	364
2,781 2	Skuzzy River, bed, 374; rail	489
2,783 0	Fraser River, high water, 343; low water	319
2,789 6	Alexandra Bluff, rail	328
2,791 2	Spuzzum station	461
2,792 6	Spuzzum River, high water, 247; low water, 242; rail	373
2,796 0	Saddle Rock, rail	323
2,802 1	Fraser River, mouth of Yale Creek, high water, 179; low water	163
2,802 6	Yale station	223
2,809 1	Fraser River, high water, 142; ordinary water	136
2,814 6	" " " 128; "	126
2,815 7	Hope station	216
2,818 7	Fraser River (opposite Huascar bluff), high water, 100; ordinary water	57
2,823 6	Ruby Creek station	162
2,826 5	Fraser River, high water, 86; ordinary water	78
2,832 5	Fraser River, Maria Slough, high water, 61; ordinary water	54
2,834 4	Agassiz station	60
2,837 5	Fraser River, high water, 45; ordinary water	30
2,842 7	Harrison station	46
2,843 5	Harrison River, high water, 42; low water, 27; rail	49
2,845 0	Harrison Lake, high water, 42; low water	30
2,845 6	Squaakim Lake, water	52
2,849 4	Fraser River, high water	32
2,851 5	" " " 29; low water	20

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,852.3	Nicoisten station	32
2,858.0	Dewdney "	39
2,858.4	Hatzic River, high water, 26; low water, 18; rail	32
2,861.8	Mission, junction with Mission branch	27
2,863.5	Fraser River, high water, 23; low water, 14; rail	27
2,869.1	Stave River, high water, 23; low water, 13; rail	39
2,869.2	Ruskin station	39
2,871.9	Wlarnok "	22
2,878.7	Haney "	25
2,880.7	Hammond "	27
2,888.0	Westminster junction, with Westminster branch	34
2,892.5	Summit, ground 108; rail	93
2,892.6	Port Moody station	13
2,895.6	Barnett "	22
2,900.8	Hastings "	29
2,904.8	Vancouver "	11
CANADIAN PACIFIC RAILWAY—"SHORT LINE"		
<i>St. John to Montreal</i>		
0.0	St. John, Intercolonial Railway station	17.5
2.0	St. John River bridge, rail	85
2.3	Fairville station	103
6.3	West St. John station	15
4.6	South Bay "	37
6.0	Stevens "	45
6.9	Sutton "	75
7.7	Summit, rail	111
9.9	Grand Bay station	65
11.6	Ingleside "	75
12.3	Riverbank "	50
13.1	Ballentine "	33
13.9	Westfield Beach station	25
14.9	Lingley "	30
18.1	Nerepis "	30
19.7	Blagdon "	50
21.3	Eagle Rock "	75
23.8	Welsford "	85
24.0	Welsford Brook, bed, 62; rail	75
28.0	Summit, ground, 200; rail	194
28.2	Clarendon station	185
31.7	Gaspereaux "	147
34.1	Enniskillen "	113
36.9	Hoyt "	57
38.1	Image Brook, bed, 34; rail	57
40.1	South Branch station	46
41.0	Oronocto River, high water, 31; low water, 14; rail	35
41.6	Bailey station	29
44.2	N.W. Branch Oronocto River, high water, 40; low water, 32; rail	65
44.4	Fredericton junction, with Fredericton branch	71
47.7	Tracey station	95
55.0	Green Point station	327
58.7	Summit	447
59.6	Cork station	420
65.0	Harvey "	433
66.8	Summit	519
70.9	Prince William station	465
73.5	Magagnadavic River, high water, 372; low water, 369; rail	409
75.2	Magagnadavic station	391
83.8	McAdau, junction with St. Stephen, St. Andrews and Edmundston branches	445
84.6	Summit	522
89.8	St. Croix station	387
90.0	St. Croix River (International Boundary), high water, 369; rail	387

Miles from St. John	CANADIAN PACIFIC RAILWAY—"SHORT LINE"	Elevation
<i>St. John to Montreal—Con.</i>		
90 1	(Vanceboro, Me., station (Can. Pac. Ry. levels).	387
95 1	" " (Maine Central R.R. levels).	394
102 3	Lambert Lake, Me., station.	417
106 6	Forst " "	355
111 2	Eaton " "	435
116 2	Danforth " "	400
125 5	Bancroft " "	389
128 7	Wytostitlock " "	334
137 9	Kingman " "	344
146 1	(Mattawamkoug, Me., station (Maine Central R.R. levels).	325
	" " (Can. Pac. Ry. levels).	295
146 4	Pondoseet River, high water, 199; low water, 190; bed, 178; rail.	293
153 7	Chester station.	218
156 1	Madunkieunk Brook, bed, 194; rail.	223
160 8	Seobois Brook, high water, 193; low water (July, 1883), 187; rail.	219
167 1	Seobois station.	199
171 7	Parkins " "	195
173 7	Hardy Pond station.	255
176 9	Packard Brook, water, 333; bed, 331; rail.	308
178 4	Schoodic Lake, high water, 330; rail.	359
179 3	Lakeview station.	447
180 2	Schoodic Lake siding.	490
183 9	Knights station.	562
184 8	Summit, ground, 531; rail.	519
188 9	Brownville junction.	534
189 4	Bangor and Aroostook R.R. crossing.	389
193 2	Williamsburg station.	306
197 5	Barnard " "	623
203 4	Summit " "	768
206 1	Ship Pond viaduct, high water, 537; low water, 530; bed, 527; rail.	782
207 7	Onawa station.	647
208 2	Greenwood Brook, bed, 643; rail.	639
215 7	Elliott station.	967
217 5	Wilson Brook, water, 906; bed, 903; rail.	1,029
220 9	McFarlane siding.	1,022
220 1	Summit.	1,018
222 3	Greenville junction.	1,128
223 0	Moosehead Lake, high water, 1,030; low water.	1,029
223 0	Moosehead station.	1,031
223 1	Kennebec River (east outlet Moosehead Lake), high water, 1,030; low water, 1,025; bed, 1,022; rail.	1,041
240 6	Askwith station.	1,116
240 7	Misery Brook, high water, 1,102; low water, 1,097; rail.	1,116
249 2	Mackamp station.	1,176
255 1	Long Pond " "	1,181
262 5	Jackman " (summit).	1,228
264 5	Moose River, bed, 1,138; rail.	1,181
267 5	Attean station.	1,259
274 5	Holeb Brook, bed, 1,232; rail.	1,251
275 2	Holeb station.	1,253
281 2	Franklin " "	1,336
283 9	Skinner " "	1,419
284 8	Caswell " "	1,466
286 5	Lowellton " "	1,695
290 6	Boundary " (International Boundary), ground, 1855; rail.	1,852
290 7	Summit, rail.	1,854
293 2	Keen station (closed).	1,727
294 8	Stearns " "	1,619
295 9	Truel " "	1,597
299 8	Ditchfield " "	1,476
302 0	Summit, rail.	1,486
306 0	Megantic station.	1,314
306 3	Chaudiere River, bed, 1,295; rail.	1,313
306 8	Junction with Megantic branch of Quebec Central Ry.	1,324
308 1	Echo Vale crossing.	1,455
310 7	Brook, rail.	1,562
314 3	Spring Hill station.	1,600

Miles from St. John	CANADIAN PACIFIC RAILWAY—"SHORT LINE"	Elevation
<i>St. John to Montreal—Con.</i>		
316.2	Summit, rail	1,688
317.3	Depression, rail	1,559
320.8	Milan station (summit)	1,646
323.8	Otter Brook, bed, 1,494; rail	1,600
324.7	McLeod station	1,459
325.3	Spruce	1,466
329.7	Brook, bed, 1,228; rail	1,259
330.9	Scotstown station	1,193
331.1	Salmon River, water, 1,173; bed, 1,169; rail	1,191
332.8	Brook, bed, 1,049; rail	1,069
336.2	Gould station (summit)	1,302
338.5	Crawford Brook, bed, 1,203; rail	1,213
339.7	Summit, rail	1,267
344.2	Bury station	1,065
352.5	Easton River, bed, 654; rail	67.5
353.0	Maine Central R.R. crossing	688
353.3	Cookshire station	684
358.0	Birchton "	571
359.4	Summit, rail	1,003
369.7	Bulwer station	530
364.2	Johnville "	852
366.4	Bowen Brook, bed, 515; rail	547
370.9	Mississippi River, bed, 477; rail	494
371.5	Lennoxville station	498
371.7	Grand Trunk Ry. crossing	498
373.7	Sherbrooke station	694
376.0	Magog River, water (July 20, 1893), 585; high water, 586; low water, 583; bed, 569; rail	597
378.8	Brook, bed, 617; rail	648
381.0	Rock Forest station	701
382.0	Summit, ground, 712; rail	708
383.2	Lake Park siding	660
383.4	Little Magog Lake, water, 634; rail	649
386.8	Lake siding	673
390.5	Summit, ground, 697; rail	691
	Lake Memphrénagog, water (July 3, 1893)	682
392.5	Magog River, water (July 3, 1893), 682; rail	692
392.6	Magog station	689
393.1	Cherry River, water, 682; 672; rail	689
395.5	Castle Brook, water, 761; bed, 760; rail	811
397.1	Millette station	893
399.6	Summit, ground, 961; rail	944
400.0	Orford Lake, water (June 20, 1893), 922; high water, 923; low water, 917; rail	933
401.5	Orford Mountain Ry. overhead crossing, Orford Mt. Ry., rail, 822; Can. Pac. Ry., rail	868
402.0	Missisquoi River, water, 813; bed, 803; rail	867
403.0	Orford Mountain Ry. switch	909
403.1	Eastman station	941
404.6	Summit, rail	954
406.2	Stukely Brook, high water, 786; low water, 782; rail	844
406.6	South Stukely station	857
409.3	Brook, water, 705; bed, 704; rail	733
411.4	Foster, junction with Drummondville branch	697
412.2	Brook, bed, 659; rail	681
414.8	Fulford station	585
417.9	Brook, bed, 439; rail	470
418.9	North branch Yamaska River, water, 403; bed, 399; rail	436
420.1	West Shefford station	430
425.7	Beaver Meadow Brook, bed, 315; rail	330
427.2	Alamogille station	376
427.4	Summit, ground, 386; rail	379
429.5	Brook, bed, 294; rail	305
431.3	Brigham junction, with Newport branch	299
431.5	South branch Yamaska River, water, 243; rail	296
432.9	Farnon station (closed)	251
437.3	St. Guillaume branch switch	204
437.7	Farnham, junction with St. Guillaume and Stanbridge branches	192

Miles from St. Stephen	CANADIAN PACIFIC RAILWAY—ST. STEPHEN BRANCH	Elevation
	St. Stephen, wharf	12
0 0	St. Stephen station	12
1 0	Shore Line transfer	40
1 2	Milltown junction, with Milltown branch	51
4 9	Maxwell station	181
8 7	Moore Mills "	291
14 8	Meadows "	254
19 2	Watt, junction with St. Andrews branch	305
20 2	Lawrence station	526
25 6	Barber Dam station	411
27 0	Digdegwash River, water, 394; bed, 392; rail	400
30 5	Hood siding	426
33 0	Summit, rail	470
33 9	McAdam, junction with "Short Line," St. John to Montreal, 83 8 miles from St. John	445
	CANADIAN PACIFIC RAILWAY—MILLTOWN BRANCH	
Miles from Milltown Junction	Milltown junction, with St. Stephen branch, 1 2 miles from St. Stephen	51
0 00	Summit	144
2 00	Milltown, junction with St. Croix and Penobscot R. R.	51
4 64	St. Croix River at bridge, water	43
	CANADIAN PACIFIC RAILWAY—EDMUNDSTON BRANCH	
Miles from McAdam	McAdam, junction with "Short Line," 83 8 miles from St. John	445
0 0	Mandslay station	417
5 1	Summit, rail	486
6 4	Cottrell station	476
7 8	Cranberry Brook, bed, 436; rail	457
9 6	Sugar Brook station	466
14 8	Summit	547
15 8	Deer Lake station	531
17 7	Shogomoc "	526
22 1	Cantorbury "	546
22 6	Summit	565
23 4	Grant station	545
25 3	Craig "	485
26 8	Scott "	464
31 7	Murchie "	387
32 7	Benton "	406
32 7	Eel River, bed, 390; rail	406
38 1	Summit	599
40 0	Debec, junction with Houlton branch	539
44 6	Teels Mill station	375
46 3	Dibblee "	293
50 7	Woodstock	134
51 1	Machuxmekeng River, bed, 99; rail	136
51 3	Woodstock, Queen St. station	136
53 1	Upper Woodstock	143
53 2	St. John River, low water, 99; rail	137
57 1	Newburg, junction with Gibson branch (summit)	266
60 0	Nixon station	151
61 4	Deep Creek station	131
63 6	Hartland	151
66 0	Hale "	180
66 9	Peel "	162
69 8	Stickney Brook, bed, 138; rail	161
74 4	Flarenoville station	175
77 5	Bristol "	183
80 7	Bath "	201
81 1	Manquast River, bed, 158; rail	186
84 7	Beechwood station	218
87 7	Browne "	251
89 3	River de Chute station	279
91 5	Muniac "	229
92 6	Kilburn "	271
96 8	Perth, junction with Tobique branch	243

ALTITUDES IN CANADA

Miles from McAdam	CANADIAN PACIFIC RAILWAY—EDMUNDSTON BRANCH	Elevation
100 0	St. John River, high water, 237; rail	246
101 0	Andover station	257
105 4	Aroostook, junction with Aroostook branch	271
108 1	Griffin station	294
114 0	Limestone "	327
116 3	Ortoyville "	332
121 2	Rapide de Femme tank	330
123 6	Summit	366
123 9	Grand Falls station	438
124 8	St. John River, low water, 413; rail	464
130 1	Martin station	469
135 7	L'Église "	480
136 7	St. Leonards station	432
138 7	Grand River "	442
140 6	Siegas "	442
144 8	St. Anns "	450
145 8	Quisisib River, bed, 429; rail	450
152 0	Green River, high water, 448; low water, 429; bed, 418; rail	451
152 8	Green River station	478
157 9	St. Basil "	474
161 8	Summit " (closed)	469
162 6	Edmundston, junction with Tenesseonata Railway	468
Miles from Aroostook	CANADIAN PACIFIC RAILWAY—AROOSTOOK BRANCH	
0 0	Aroostook, junction with Edmundston branch, 105 4 miles from McAdam	271
0 7	International Boundary	361
5 9	Fort Fairfield tank, Maine	345
7 4	" station "	351
9 7	Stevens Mill " "	356
11 5	Weeks " "	371
12 3	Seates " "	392
14 6	East Lyndon " "	416
15 6	Hurd " "	419
19 3	Caribou " "	426
23 5	Caribou tank " "	403
24 5	Roberts station " "	429
27 4	Parkhurst " "	411
30 7	Duggett " "	418
34 0	Presque Isle " "	491
Miles from Debec	CANADIAN PACIFIC RAILWAY—HOULTON BRANCH	
0 0	Debec, junction with Edmundston branch, 40 0 miles from McAdam	339
3 6	Greenville station	382
5 0	International Boundary	519
8 0	Houlton station, Maine	466
Miles from Perth	CANADIAN PACIFIC RAILWAY—TOBIQUE BRANCH	
0 0	Perth, junction with Edmundston branch, 99 8 miles from McAdam	243
3 0	Millicote station	268
3 8	Lovely Brook, bed, 290; rail	295
4 0	De Merchant station	325
5 8	Pokioj Brook, bed, 273; rail	306
6 0	Tobique Narrows station	301
7 0	Rovena " "	291
8 0	Quaker Brook " "	275
8 1	Quaker Brook, bed, 256; rail	267
9 5	Curie station	289
11 2	Big Island Brook, water, 289; bed, 286; rail	323
12 1	Hillside station	308
13 7	Red Rapids "	338
14 2	Trout Brook, water, 308; bed, 305; rail	323
14 6	Ottelock Brook, water, 303; bed, 300; rail	316
15 9	Arthemet station	343
18 3	Odell River "	345
2 1		
2 3		

Miles from Perth	CANADIAN PACIFIC RAILWAY—TOBIQUE BRANCH	Elevation
18.5	Ochil Brook, extreme freshet, 328; water, 320; rail.....	332
21.8	Reed Island station.....	370
24.2	Three Brooks ".....	380
25.9	Wapsokegan River, extreme freshet, 357; ordinary water, 353; rail.....	395
26.2	Arbuckle station.....	370
28.0	Plaster Rock ".....	379
Miles from Fredericton	CANADIAN PACIFIC RAILWAY—GIBSON BRANCH	
0.0	Fredericton station.....	41
1.5	St. John River, high water, 18.3; extreme high water, 33.8; extreme low water, 10.3; rail, centre of draw span.....	41-3
1.8	Gibson station.....	35
2.9	St. Marys ".....	39
4.2	Douglas ".....	52
4.3	Nashwaakasis River, water, 28; bed, 23; rail.....	41
7.6	Spring Hill station.....	68
11.9	Rockland ".....	49
13.6	Keswick ".....	38
18.1	Cardigan ".....	60
19.3	Smith Corner ".....	70
21.6	Zealand ".....	103
25.1	Stoneridge ".....	145
27.7	Burnside ".....	216
29.3	Inches ".....	269
30.2	Upper Keswick station.....	273
33.6	Burt Lake ".....	529
33.8	Summit, rail.....	538
36.1	Chill station.....	466
38.4	North-east branch Nacawicaw River, bed, 37.4; rail.....	382
38.6	Hainesville station.....	384
40.2	Milville.....	485
41.9	Gravel Hill siding.....	497
42.8	Woodstock Road station (summit of grade near station, 558).....	546
44.5	Nacawicaw station.....	464
44.9	Nacawicaw Mill switch (depression).....	445
48.7	County Line station.....	529
50.2	Fall Brook ".....	561
50.7	Carrs Mill ".....	578
53.4	Summit station.....	641
53.6	Havelock station.....	631
58.4	Newburg, junction with Edmundston branch, 57.4 miles from McAdam.....	286
Miles from Sutton Junc.	CANADIAN PACIFIC RAILWAY—DRUMMONDVILLE BRANCH	
0.00	Sutton junction, with Newport branch, 49.45 miles from Montreal.....	553
2.54	South branch Yamaska River, water (July, 1892), 648; rail.....	661
3.63	Brome Corner station.....	678
6.67	North branch Yamaska River, water (July, 1892), 651; bed, 647; rail.....	681
6.86	Knowlton station.....	681
8.35	Brome Lake, water (July 7, 1892), 649; rail.....	667
9.22	Summit.....	667
11.34	Brook, water, 648; bed, 639; rail.....	673
12.14	Foster, junction with "Short Line," 41.4 miles from St. John.....	651
14.32	Summit, ground, 758; rail.....	697
15.96	Central Vermont R.R. crossing.....	755
16.59	Waterloo station.....	710
16.65	North branch Yamaska River, bed, 668; rail.....	677
18.35	Brook, water, 668; bed, 665; rail.....	675
19.67	Warden station.....	675
21.80	Brook, water, 523; bed, 520; rail.....	674
23.44	Linesln Brook, bed, 489; rail.....	534
25.14	Savage Mills station.....	517
26.65	Summit, ground, 616; rail.....	567
28.96	South Roxton station.....	610
29.60	Depression, ground, 493; rail.....	515
30.60	Summit, ground, 540; rail.....	499
35.88	Black River, water, 334; bed, 327; rail.....	534
		346

Miles from Montreal	CANADIAN PACIFIC RAILWAY—NEWPORT BRANCH	Elevation
49 45	Brigham junction, with "Short Line," 431 3 miles from St. John	269
50 47	Brigham station	297
53 39	East Farnham station	346
54 58	South branch Yamaska River, water, 394; bed, 391; rail	329
55 33	Stream, water (Dec. 1891), 329; bed, 317; rail	343
56 41	Cowansville station	377
58 48	Sweetsburg "	441
58 75	Summit	448
59 85	Stream, water, 385; bed, 373; rail	407
61 28	West Bromie station	412
62 11	South branch Yamaska River, water (Dec. 1891), 469; bed, 466; rail	450
65 67	Sutton junction, with Drummondville branch	553
65 73	Drummondville branch switch	559 5
67 22	Summit, rail	643 5
68 85	Sutton station	582
68 93	Brook, water, 572; bed, 570; rail	581
70 00	" " 545; " 544; "	551
71 96	" " 493; " 492; "	504
74 30	Abercorn station	487
75 70	International Boundary	491 5
76 82	Richford station, Vt.	502
77 83	Mississquoi River, water, 443; bed, 440; rail	474 5
78 04	Central Vermont Ry. junction, Vt.	479
80 14	Stevens Mills station, Vt.	497
82 05	East Richford " Vt.	512
82 08	International Boundary	512 5
85 01	Glen Sutton station	526
91 09	Mansonville "	516
93 51	North Troy " Vt.	604 5
93 82	High bridge, water, 515; bed, 510; rail	582
100 14	Newport Centre station, Vt.	777
102 33	Summit siding, Vt.	926
103 00	Summit, ground, 974; rail	946
107 35	Lake Memphremagog, water (Feb. 3, 1892), 682; rail	687 5
107 50	Newport, Vt., junction with Boston and Maine R.R.	689
Miles from Montreal	CANADIAN PACIFIC RAILWAY—QUEBEC SECTION	
0 0	Montreal, Place Viger station	58 49
12 6	St. Martin junction, with main line, Montreal to Vancouver	119
17 6	St. Vincent de Paul station	75
22 7	Riviere Jesus or Mille Iles, water, 39; bed, 29; rail	58
23 1	Terrebonne station	63
26 8	St. Henri de Mascoche station	66
27 4	Mascouche River, bed, 28; rail	65
28 2	Cabane Ronde Brook, bed, 44; rail	59
30 0	Cabane Ronde station	61
33 4	L'Epiphanie "	76
36 0	L'Achigan River, bed, 32; rail	76
37 1	River St. Esprit, bed, 28; rail	72
38 3	L'Assomption River, bed, 19; rail	72
39 4	Vauchese station	79
43 1	Lavaltrie "	89
48 1	Joliette junction, with Joliette branch	73
48 9	Lanoraie station	76
53 5	Chaloupe River, bed, 24; rail	60
56 6	Berthier junction, with Berthier branch	40
57 0	Bayonne River, bed, 15; rail	41
60 0	St. Cathbert station	41
64 3	St. Bartheloni "	36
70 1	Maskinonge River, high water, 29; low water, 25; rail	52
70 3	Maskinonge station	53
74 4	Louiseville "	46
74 7	River du Loup, water, 24; bed, 13; rail	48
80 0	Yamachiche station	37
81 5	Yamachiche River, water, 33; bed, 26; rail	46
84 1	River aux Glaises, water, 30; bed, 28; rail	41
87 0	Pointe du Lac station	72
93 0	River Aubrey, bed, 30; rail	40

Miles from Montreal	CANADIAN PACIFIC RAILWAY—QUÉBEC SECTION	Elevation
95.0	Three Rivers station	55.7
96.2	River St. Maurice, water, 22; bed, 4; rail	97
97.6	Piles junction, with Piles branch	127
107.6	Champlain station	51
109.2	Champlain River, bed, 17; rail	45
114.6	Batiscan station	37
115.1	Batiscan River, water, 35; bed, 7; rail	42
119.2	Ste. Anne River (west bridge), water, 27; bed, 10; rail	40
119.1	" (east bridge), water, 25; bed, 5; rail	41
119.8	Ste. Anne de la Pérade station	42
127.0	Grondeux station	128
129.0	Petite Lachévoitière River, water, 106; bed, 99; rail	113
129.9	Summit, rail	138
130.1	Lachévoitière station	107
130.3	Lachévoitière River, water, 93; bed, 79; rail	107
131.5	Belle Ile River, water, 113; bed, 105; rail	119
133.4	Deschambault station	182
137.7	Portneuf station (summit)	197
138.6	Portneuf River, water, 95; bed, 87; rail	199
140.1	Summit, rail	229
142.2	St. Bazile station	205
142.7	Depression, rail	195
146.9	Pont Rouge station	376
147.5	Jacques Cartier River, water, 288; bed, 275; rail	349
148.8	River aux Pommés, water, 331; bed, 318; rail	342
151.2	River Noire, water, 353; bed, 340; rail	369
153.6	Summit station	411
158.8	Cap Rouge River, water, 182; bed, 172; rail	190
159.1	clair station	189
163.6	Champligny River, water, 119; bed, 117; rail	143
165.0	Lapets station	87
167.6	Lake St. John Ry. junction (old)	50
172.1	Quebec station	20.62
Miles from Three Rivers	CANADIAN PACIFIC RAILWAY—PILES BRANCH	
0.0	Three Rivers	55.7
2.6	Piles junction with Quebec section, 97.6 miles from Montreal	127
8.3	River Champlain, water, 135; bed, 132; rail	158
9.3	St. Maurice station	184
11.1	Radiac " "	254
13.8	St. Narcisse " "	284
20.2	Summit	449
20.9	Lac à la Tortue station	429
23.8	Garneau, junction with Great Northern Railway	447
24.9	Summit	506
26.4	St. Tite junction, with Great Northern Railway	544
29.5	Grandes Piles station	345
Miles from Piles Junction	CANADIAN PACIFIC RAILWAY—CAP DE LA MAGDELEINE BRANCH	
0.0	Piles junction, with Quebec section, 97.6 miles from Montreal	127
2.5	End of branch at mills	49
Miles from Berthier Junction	CANADIAN PACIFIC RAILWAY—BERTHIER BRANCH	
0.0	Berthier junction, with Quebec section, 56.6 miles from Montreal	49
2.0	Berthier station	31
Miles from Joliette Junction	CANADIAN PACIFIC RAILWAY—JOLIETTE BRANCH	
0.0	Joliette junction, with Quebec section, 48.4 miles from Montreal	73
6.3	Joliette station	196
7.6	Great Northern Railway crossing	205
12.0	St. Emile station	239
17.1	St. Félix " "	372

Miles from Joliette Junction	CANADIAN PACIFIC RAILWAY—JOLIETTE BRANCH	Elevation
19.2	River Bayonne, water, 366; rail	400
21.2	St. Cleophas station	470
27.4	Summit	620
28.1	St. Gabriel station	607
Miles from St. Gabriel	<i>Proposed Extension.</i>	
0.0	St. Gabriel station	607
1.9	Maskinonge River, water, 471; rail	507
5.3		501
Miles from Ste. Thérèse	CANADIAN PACIFIC RAILWAY—ST. JEROME BRANCH	
0.0	Ste. Thérèse, junction with main line, 19.8 miles from Montreal	120
2.1	St. Lin junction	219
7.6	St. Janvier station	217
12.1	Great Northern Railway crossing	362
15.6	St. Jérôme station	308
16.0	Stream, bed, 342; rail	382
21.4	Lesage station	586
21.9	Lac des Îles Brook, bed, 557; rail	602
22.3	Shawbridge station	599
23.0	Shaw Brook, bed, 531; rail	563
24.6	Montfort junction, with Montfort Colonization Railway	528
26.5	Pichmont station	552
29.5	Ste. Adèle	637
34.1	Ste. Margaret station	500
35.6	Indian Mountain summit, ground, 1,073; rail	1,025
36.1	Bay of North River, bed, 1,000; rail	1,069
37.4	Lac de la Fourche, water, 1,006; rail	1,016
37.5	Val Morin station	1,025
40.0	Bellefleur Mill station	1,059
42.9	River du Nord, bed, 1,094; rail	1,103
44.0	Ste. Agathe station	1,194
45.0	Summit, at road crossing	1,250
45.7	River aux Sables, bed, 1,183; rail	1,193
47.3	Manton Brook, bed, 1,186; rail	1,197
47.7	Ivy station	1,213
51.9	Bay of Black River, bed, 1,228	1,235
53.8	Black Brook, bed, 1,343; rail	1,309
51.9	Nantel station	1,389
52.3	Dunford	1,281
53.7	Labarge Mill station	1,345
56.0	Summit, ground, 1,426; rail	1,403
57.4	St. Faustin station	1,257
60.8	Clear Brook, bed, 891; rail	923
60.9	Morrison station	895
63.6	Black Brook, bed, 1,781; rail	794
65.4	St. Josette station	794
67.5	Devil River, high water, 660; low water, 618; rail	686
70.1	Mount Tremblant station	748
70.1	Sam Brook, bed, 714; rail	728
71.3	Lake Sam, ice (Feb., 1888), 740; rail	746
73.3	Summit Lake, water, 761; rail	761
73.4	Summit, ground, 777; rail	768
74.2	Conception station	722
77.1	Bank of River Rouge, rail	794
80.5	Labellé station	734
80.8	Chute aux Français road crossing	749
81.3		746
83.3	End of profile	714
Miles from Ste. Thérèse	CANADIAN PACIFIC RAILWAY—ST. EUSTACHE BRANCH	
0.0	Ste. Thérèse, junction with main line, 19.8 miles from Montreal	120
6.0	St. Eustache station	98

Miles from St. Lin Junction.	CANADIAN PACIFIC RAILWAY—ST. LIN BRANCH	Elevation
0 0	St. Lin junction, with St. Jérôme branch, 2 1 miles from Ste. Thérèse.....	219
1 3	Summit.....	251
5 3	Mascouche River, bed, 145; rail.....	192
5 6	Mascouche station.....	181
7 4	River Ste. Anne, bed, 157; rail.....	187
7 5	Ste. Anne des Plaines station.....	189
8 3	Summit.....	251
10 6	La Plaine station.....	188
11 8	River L'Achigan, bed, 158; rail.....	197
14 9	St. Lin station.....	206
Miles from Buckingham	CANADIAN PACIFIC RAILWAY—BUCKINGHAM BRANCH	
0 0	Buckingham junction, with main line, 99 7 miles from Montreal.....	183
3 4	Summit, ground, 416; rail.....	410
3 6	Buckingham village.....	437
4 1	Buckingham landing.....	425
4 1	Bed of stream, about level of ordinary water, River du Lièvre.....	413
Miles from Sudbury	CANADIAN PACIFIC RAILWAY—SAULT STE. MARIE BRANCH	
0 0	Sudbury, junction with main line, 412 7 miles from Montreal.....	850
	By levels from Montreal.....	855
	" Algoma.....	848
3 4	Copper Cliff junction.....	865
7 8	Summit, rail.....	799
9 3	Brook, bed, 772; rail.....	804
11 1	Naughton station.....	816
12 6	Summit, ground, 847; rail.....	786
16 1	Vermilion River, water, 760; rail.....	808
18 3	Whitefish station.....	779
25 0	Werthington ".....	719
32 0	Nairn ".....	670
35 7	Spanish River, water, 634; rail.....	638
40 5	Stanley station.....	661
48 1	Webbwood ".....	646
49 1	Birch Brook, bed, 582; rail.....	636
58 0	Sable River, bed, 572; rail.....	637
58 2	Missey station.....	683
65 7	Summit, rail.....	698
66 0	Wolford station.....	586
79 4	Depression, rail.....	698
71 5	Spanish station.....	664
78 3	Kenambitche ".....	641
80 2	Summit.....	732
82 5	Spanish River, water, 580; rail.....	580 12
	Lake Huron, high water, 583 26; low water, 578 32; mean water, (1874-1895).....	599
87 3	Sprague (formerly Cooks Mills) station.....	665
88 9	Summit.....	602
95 0	Algoma station.....	603
102 2	Bimel River.....	607
106 2	Mississipi River, extreme high water, 592; low water, 584; rail.....	629
112 6	Dean Lake station.....	607
121 7	Dayton ".....	609
130 8	Summit.....	599
133 0	Thessalon station.....	599
133 1	Thessalon River, water, 584; rail.....	599
136 4	Brook, water, 617; rail.....	617
142 8	Bruce Mines station.....	683
149 2	Stobie ".....	592
151 0	Doblarats ".....	595
158 0	Isbister ".....	600
169 0	Bear River, water, 584; rail.....	583
164 0	Echo Bay station.....	590
179 2	Garden River ".....	606
178 9	Sault Ste. Marie, Ont., station.....	632
180 0	River St. Mary, high water, in canals, 603 10; low water, 598 35; mean water, 599 87; rail.....	612
182 3	Sault Ste. Marie, Mich., station.....	615

Miles from Carleton	CANADIAN PACIFIC RAILWAY—BROCKVILLE BRANCH	Elevation
0 0	Carleton, junction with main line, 147.6 miles from Montreal	447
4 5	Beekwith station	461
8 0	Franktown "	476
13 4	Welsh "	431
17 1	Smith's Falls, junction with main line, Ontario and Quebec Div., 128.3 miles from Montreal	423
18 4	Rideau Canal, water, 348; rail	380
21 4	Story station	358
24 0	Irish Creek station	342
26 3	Wolford "	306
29 7	Summit	403
31 5	Bell station	388
33 0	Jelly "	373
35 4	Bellamy "	393
38 4	Clark "	415
38 7	Summit	418
39 8	Fairfield station	385
45 0	Brockville, junction with Grand Trunk Ry., 125.23 miles from Montreal	281
45 4	" wharf, St. Lawrence River, high water, 247.54; low water, 243.25; mean water, 244.98; rail	252
Miles from Ottawa	CANADIAN PACIFIC RAILWAY—PRESCOTT BRANCH	
0 0	Ottawa, Sussex St. station	190
0 4	Rideau River, water, 177; rail	190
1 6	Montreal Road crossing (Janoville)	187
2 9	Montreal and Ottawa junction	198
6 6	Chaudiere, junction with line to Union station	274
0 0	Ottawa, Union station, junction with main line, 120.3 miles from Montreal	175
1 9	Rideau Canal, water, 208; rail	216
2 6	Rideau River, high water, 190; low water, 180; rail	213
4 6	Chaudiere junction, with spur line to Sussex St. station	274
9 2	Glovesville station	345
9 4	Summit, ground, 367; rail	353
12 6	Manotick station	327
20 5	Osgoode "	301
24 6	Sabourin "	284
25 6	Rideau Brook, bed 272; rail	278
29 0	Kemptville station	297
29 2	Beecher Brook, water, 286; bed, 284; rail	297
30 5	Kemptville junction, with main line O. & Q. Div., 107.8 miles from Montreal	330
35 0	Oxford station	352
38 8	Summit, ground, 1,109 ft. north, 396; rail	353
42 7	Spenceville station	315
43 3	South Nation River, water, 290; bed, 280; rail	306
47 6	Summit	313
50 2	Prescott junction, with Grand Trunk Ry., 113.51 miles from Montreal	302
51 8	Prescott station	247
	St. Lawrence River at Prescott, high water, 247.49; low water, 243.20; mean water	244.93
Miles from A. & N. W. Junction	CANADIAN PACIFIC RAILWAY—EGANVILLE BRANCH	
0 0	Atlantic and North-west junction, with main line, 156.0 miles from Montreal	404
3 1	Admaston station	404
9 4	Douglas "	417
16 3	Bonnechere River, water, 406; bed, 399; rail	422
13 4	Fourth Chute station	437
18 9	Eganville "	549
Miles from Mattawa	CANADIAN PACIFIC RAILWAY—TEMISCAMING BRANCH	
0 0	Mattawa, junction with main line, 318.0 miles from Montreal	564
0 5	" Town Hall station	521
0 9	Ottawa River, high water (1890) 509.8, (1891) 506.7, (1892) 503.6, (1893) 507.5; low water, 496; rail	521

	Miles from Mattawa	CANADIAN PACIFIC RAILWAY—TEMISCAMING BRANCH	Elevation
	5 1	Bay of Ottawa River, high water, 520; rail.....	526
47	9 7	" " " " " 533; ".....	543
51	11 2	Snake Creek station.....	543
76	13 8	Bay of Ottawa River, high water, 539; rail.....	551
81	24 7	Hillcrest station.....	551
	30 5	Beauchemin ".....	548
23	36 5	Kippewa junction.....	580
50	37 9	Temiscaming station.....	553
58	38 5	Lumsden Mill ".....	801
12	40 9	Pike Lake, low water.....	734
36	41 7	Long Lake " 820; rail.....	831
83	43 2	" T " Lake, high water, 856; low water, 849; rail.....	861
88	45 7	Kippewa station.....	885
73		Kippewa Lake, high water, 883; low water.....	873
83			
15			
8			
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6			
4			

	Miles from Montreal	CANADIAN PACIFIC RAILWAY—"SOUTH SHORE" LINE	Elevation
<i>Montreal to Ottawa</i>			
	0 00	Montreal, Windsor St. station.....	169 35
	23 77	Vanbreuk, junction with main line, Ontario and Quebec Division.....	87
	25 30	Little-River station.....	86
	27 10	Isle Cadieux ".....	94
	30 20	Como ".....	99
	32 25	Hudson ".....	92
	32 81	Hudson Heights station.....	87
	34 60	Thiassville ".....	108
	36 11	Lavigrie ".....	165
	40 25	Rigaud ".....	168
	49 35	River à la Grande, bed, 68; rail.....	168
	47 30	Point Fortune station.....	139

	48 50	St. Eugene station.....	181
	53 50	Stardale " (summit).....	291
	57 00	Canada Atlantic Ry., Hawkesbury branch, crossing.....	263
	57 00	Vankleek Hill station.....	272
	60 10	McAlpins ".....	219
	65 20	Calofonia Springs ".....	168
	68 87	Alfred ".....	178
	74 30	South Nation River, high water (1862), 163 5; (Mar. 17, 1898), 138 8; ordinary high water, 136 8; extreme low water, 147 9; rail.....	170
	74 61	Plantagenet station.....	170
	77 00	Summit, ground, 251; rail.....	248
	79 50	Pendleton station.....	254
	80 88	Brook, high water, 177; bed, 170; rail.....	195
	82 33	Cobb Brook, high water (Mar. 17, 1898), 164 2; bed, 154; rail.....	196
	85 45	The Brook station.....	216
	87 97	North Indian Brook, bed, 192; rail.....	212
	88 96	Hammond, Canada Atlantic Ry., Rockland branch, crossing.....	220
	91 40	Summit.....	279
	94 39	Lyonsville station.....	272
	97 34	Brook, bed, 240; rail.....	269
	98 66	Navan station.....	240
	104 94	Blackburn ".....	250
	107 02	Greens Creek, bed, 200; rail.....	218
	109 79	Rouleau River, high water (March 14, 1898), 192; low water, 180; rail.....	198
	111 59	Ottawa, Central station.....	212

	Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Montreal to Toronto</i>			
	0 0	Montreal, Windsor St. station.....	169 35
	1 6	Westmount station.....	152
	3 1	Summit.....	190
	4 8	Montreal junction.....	155
	7 0	Western " , with Jacques Cartier Union Ry.....	138

Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Montreal to Toronto—Continued</i>		
8.7	Golf Links station	97
9.6	Dorval "	88
11.6	B-lair "	91
12.1	Lakeside "	95
12.5	Lakeside "	95
13.5	Pointe-Claire "	112
15.9	Beaconsfield "	108
16.8	Beauport "	116
18.5	Bayview "	115
20.4	St. Anne de Bellevue station	113
20.8	Ottawa River, Ste. Anne bridge, water, 71; rail	111
23.1	" Vaudreuil bridge " 71 "	94
23.7	Vaudreuil, junction with "South Shore" Line	87
26.3	Sunshine River, bed 92; rail	125
28.4	St. Lazare station	162
34.4	St. Clot "	177
40.1	St. Polycarpe junction, with Canada Atlantic Railway	191
41.2	Delisle River, bed, 134; rail	190
43.7	St. Telephore station	212
46.3	Dalhousie Mills "	225
46.7	Province Line, Ontario and Quebec boundary	223
49.3	Summit "	268
50.1	Glen Norman station	251
51.1	Brook, bed, 221; rail	230
53.9	Green Valley station	279
56.6	Glenroy "	267
60.7	River Beaudette, bed, 252; rail	267
62.7	Apple Hill station	298
68.1	Monkland "	328
72.2	Payne River, bed, 296; rail	306
72.9	Avonmore station	324
78.7	Payne River, bed, 254; rail	272
79.0	Finch, junction with Ottawa and New York Ry	273
85.4	South Nation River, bed, 209; rail	228
86.6	Chesterville station	258
92.5	Winchester "	217
96.0	Suffel "	264
100.7	Mountain "	273
104.0	Summit	329
107.8	Kempville junction, with Prescott branch	330
109.8	South Rideau River, water, 302; rail	322
111.1	Oxford Mills station	325
115.0	Barratts "	353
119.0	Rideau Canal, water, 308; bed, 297; rail	352
119.4	Merrickville station	352
128.3	Smiths Falls, junction with Brockville branch	423
134.9	Elmsley station	438
139.9	Perch "	433
147.7	Bathurst "	479
155.0	Maberley "	576
1.7.3	Fall River, water, 577; rail	589
161.3	Zealand station	689
162.7	Summit	732
165.3	Sharbot Lake junction, with Kingston and Pembroke Ry	732
165.8	Sharbot Lake, water, 639; rail	644
172.1	Summit, ground, 763; rail	749
174.3	Mountain Grove station	681
180.1	Ardendale "	617
180.6	Salmon River, bed, 609; rail	630
185.0	Kemelee station	669
190.1	Kaladar "	702
190.4	Summit, ground, 714; rail	706
198.3	Hungerford (formerly Sheffield) station	554
204.8	Stoco Lake, water, 458; rail	473
206.3	Tweed, junction with Bay of Quinte Ry	476
210.3	Buller station	585

ALTITUDES IN CANADA

Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Montreal to Toronto—Concluded</i>		
214.5	Grand Trunk Ry., Madoc branch, overhead crossing, G.T.Ry., rail, 559; Can. Pac. Ry., rail	584
215.5	Ivanhoe station	648
216.8	Summit	648
220.2	Peterson station	557
224.3	Central Ontario junction, with Central Ontario Ry.	598
227.7	Crow River, water (Aug 7, 1898, 582; rail	598
233.3	Blairton station	643
237.6	Havock "	700
243.6	Norwood "	671
248.4	Onse River, bed, 644; rail	693
252.1	Indian River station	709
253.0	Indian River, bed, 651; rail	688
257.0	Otonabee station	674
261.7	Otonabee River, water, navigation level, 620.4; rail	633
261.9	Peterborough station	623
262.1	Grand Trunk Ry., Belleville to Midland, crossing	628
267.5	Kendry station	651
270.8	Cavanville "	645
275.5	Grand Trunk Ry., Port Hope to Oshesee, overhead crossing, G.T.Ry., rail, 801; Can. Pac. Ry., rail	865
279.0	Manvers station	868
283.0	Pontypool "	1,067
284.9	Summit	1,105
291.8	Berkington station	1,057
301.1	Myrtle "	888
301.5	Grand Trunk Ry., Whitby to Lindsay, under crossing, G.T.Ry., rail, 894.7; Can. Pac. Ry., rail	870
304.6	Bogmar station	878
306.3	Glen Major "	845
306.4	Duffin Brook, bed, 789; rail	829
310.0	Clarence station (summit)	886
317.5	Leaside Hill "	667
321.0	Ronge River, bed, 484; rail	524
323.4	Markham Road station	561
325.5	Agincourt "	563
326.2	Grand Trunk Ry., Scarborough to Cobosank, overhead crossing, G.T.Ry., rail, 544; Can. Pac. Ry., rail	568
328.7	Wesford Road station	541
330.3	Little Don River, bed, 348; rail	459
332.0	Don River, bed, 319; rail	417
333.1	Leaside junction, with loop line to Toronto junction	429
335.4	North Toronto station	400
335.4	Toronto—Winchester St. station	296
336.4	" Queen St.	269
338.4	" Union "	254
	Lake Ontario, high water, 247.96; low water, 243.45; mean water (1871-1865)	245.18

Miles from Toronto	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Toronto to Windsor</i>		
0.0	Toronto, Union station	254
2.2	Parkdale station	305
3.8	Bloor St.	371
4.7	Toronto junction	394
6.4	Belt Line Ry., crossing	399
6.7	Lambton station	389
7.4	Humber River, high water, 312; low water, 303; bed, 301; rail	389
8.6	Mimico River, bed, 378; rail	400
8.7	Islington station	400
11.8	Eglaboske River, bed, 333; rail	375
12.7	Dixie station	375
14.4	Cooksville "	391

Miles from Toronto	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Toronto to Windsor—Continued</i>		
17.4	Springfield station	474
19.9	Credit River, bed, 452; rail	493
20.8	Streetsville station	500
21.7	" junction, with Orangeville branch	549
24.7	Lisgar station	676
27.6	Hornby "	649
30.2	Beatty "	670
32.2	Milton "	660
32.6	Grand Trunk Ry. crossing	661
32.7	Sixteen-mile Brook, bed, 648; rail	662
38.0	Campbellville station	924
39.2	Guelph junction, with Guelph branch	960
42.0	McRae station	976
45.0	Sehaw "	985
50.5	Summit, rail	1,003
52.0	Leslie station	996
57.2	Galt "	931
57.4	Grand River, bed, 856; rail	927
57.6	Grand Trunk Ry. crossing; G.T.Ry., 898; Can. Pac. Ry.	927
60.2	Summit, rail	1,049
62.8	Dumfries station	1,025
67.5	Ayr "	961
68.0	River Nith, bed, 916; rail	950
72.6	Wolverton station	958
74.2	Grand Trunk Ry. crossing	1,011
74.3	Drumbo station	1,011
77.8	Hornor Brook, bed, 954; rail	969
78.6	Blandford station	971
81.4	Thames River, bed, 947; rail	970
81.6	Innerkip station	969
87.6	Grand Trunk Ry. crossing	947
87.9	Woodslock, junction with Ingersoll branch	947
88.7	Thames River, bed, 910; rail	932
91.5	Summit "	961
94.0	Embree station	1,017
101.0	Thamesford "	1,004
109.1	Crutwin "	890
111.6	Grand Trunk Ry. crossing	858
112.0	Asylum station	854
113.7	Adelaide St. "	816
114.5	London "	804
115.0	North branch Thames River, bed, 790; rail	798
117.7	Summit, ground, 886; rail	853
118.7	Hyde Park station	902
118.7	Grand Trunk Ry., London, and Wingham crossing; G.T.Ry., rail, 876; Can. Pac. Ry., rail	902
121.5	Melrose station	867
125.1	Komoka "	812
125.4	Grand Trunk Ry., Sarnia branch, crossing	735
129.6	Caradoc station	804
135.7	Longwood "	735
139.4	Atypin junction, with Michigan Central R.R.	747
144.7	North Glencoe station	791
146.7	Grand Trunk Ry., Glencoe and Kingscourt branch, crossing	718
151.9	North Newbury station	681
156.5	North Bothwell "	661
164.9	North Thamesville "	622
169.3	Kent Bridge "	607
172.6	Arkwood "	605
177.4	Thames River, high water, 589; low water, 575; rail	600
178.3	Lake Erie and Detroit River Ry. crossing	595
178.8	Chatham station	592
183.3	Grand Trunk Ry., Southern Division, main line, crossing	590
185.5	Ringold station	582
188.2	Raleigh "	587
194.5	Tilbury "	582
200.4	Hayercraft "	563

ALTITUDES IN CANADA

Miles from Toronto	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Toronto to Windsor—Concluded</i>		
294.5	Ruseom River, bed, 571; rail	585
294.7	St. Joachim station	585
298.7	Be-Be River "	587
298.9	Be-Be River, bed, 571; rail	585
212.3	Pace station	589
215.6	Elmstead station	594
222.7	Walkerville, junction with Lake Erie and Detroit River Ry.	615
227.1	Windsor station	581
	Detroit River at Windsor, low water, 572.76; high water, 576.54; mean water	574.25
CANADIAN PACIFIC RAILWAY—INGERSOLL BRANCH		
Miles from Woodstock		
0.0	Woodstock, junction with main line Ontario and Quebec Division, 87.9 miles from Toronto	
0.8	Grand Trunk Ry., Southern Div., crossing	947
4.3	Beauchville station	918
9.0	Ingersoll "	879
11.0	Summit "	927
14.1	Putnam station	884
18.9	Harrietsville "	949
19.5	Summit "	959
24.8	Belmont station	844
52.3	Lake Erie and Detroit River Ry. (London and Port Stanley Ry.) crossing	784
23.6	St. Thomas, junction with Michigan Central R.R.	762
CANADIAN PACIFIC RAILWAY—GUELPH BRANCH		
Miles from Guelph Junction		
0.0	Guelph junction, with main line, Ontario and Quebec Division, 39.2 miles from Toronto	960
3.9	Moffat station	1,047
6.7	Corwin "	1,127
9.6	Summit, rail	1,167
10.7	Ackell station	1,112
13.4	Speed River, bed, 1,069; rail	1,018
14.7	Speed River, bed, 1,021; rail	1,010
14.8	Grand Trunk Ry., crossing	1,040
15.0	Guelph station	1,043
CANADIAN PACIFIC RAILWAY—ELORA BRANCH		
Miles from Cataract		
0.0	Cataract, junction with Orangeville branch	1,252
4.6	Eria station	1,291
8.3	Hillsburg "	1,405
12.8	Orton "	1,448
15.0	Summit "	1,528
17.6	Belwood station	1,415
19.9	Grand River, bed, 1,350; rail	1,366
20.1	Spicers station	1,391
21.6	Grand Trunk Ry., Harrisburg and Southampton line, crossing	1,369
24.9	Fergus station	1,353
27.3	Elora "	1,279
CANADIAN PACIFIC RAILWAY—OWEN SOUND BRANCH		
Miles from Toronto		
0.0	Toronto, Union station	254
2.2	Parkevale station	303
4.7	Toronto junction	394
8.5	Weston station	427
12.4	Emery "	529
14.6	Humber Summit station	498
15.2	Humber River, bed, 441; rail	498
16.2	Woodbridge station	554
18.9	Elder "	629

Miles from Toronto	CANADIAN PACIFIC RAILWAY—OWEN SOUND BRANCH	Elevation
21.4	Kleinburg station	709
26.1	Bolton "	885
32.6	Mono Road "	973
34.1	Grand Trunk Ry. crossing, G.T.R., rail, 918; C.P. Ry.	968
34.5	Cardwell junction, with Grand Trunk Ry.	950
41.1	Calshon station	1,236
45.8	Mcville, junction with Orangeville branch	1,236
48.5	Orangeville station	1,235
52.5	Orangeville junction, with Teeswater branch	1,613
56.0	Laurel station	1,618
60.1	Crombies "	1,600
64.6	Shelburne "	1,325
68.1	Melancthon "	1,600
71.8	Corbetton "	1,661
73.1	Grand River, bed, 1,648; rail	1,662
75.9	Dundalk station	1,790
76.2	Summit "	1,796
80.9	Proton station	1,584
83.0	Saugeen River, bed, 1,351; rail	1,566
86.3	Flesherton station	1,557
92.6	Markdale "	1,357
97.9	Berkeley "	1,330
101.6	Saugeen River, bed, 1,201; rail	1,218
102.1	Holland Centre station	1,212
105.2	Cement Works switch	1,064
108.7	East branch Sydenham River, bed, 932; rail	946
108.9	Christworth station	944
110.0	Sydenham River, bed, 924; rail	937
114.1	Rockford station	914
121.5	Owen Sound station	586
	" wharf	589
	Georgian Bay, mean water	580-12
Miles from Streetsville Junction	CANADIAN PACIFIC RAILWAY—ORANGEVILLE BRANCH	
0.0	Streetsville junction, with main line, Ontario and Quebec Division, 21.7 miles from Toronto	549
1.9	Meadowdale station	563
3.1	Credit River, bed, 549; rail	564
4.2	Churchville station	604
7.4	Beaumont "	730
7.6	Grand Trunk Ry. crossing	713
12.1	Shelgrove station	838
16.0	Campbells Cross station	929
17.0	Cheltenham "	936
19.6	Inglewood junction, with Grand Trunk Ry.	896
23.8	Credit River, bed, 1,065; rail	1,076
23.9	Forks of Credit station	1,076
26.5	Carleton, junction with Elora branch	1,252
29.6	Alton station	1,313
31.6	Melville, junction with Owen Sound branch, 45.8 miles from Toronto	1,326
34.3	Orangeville station	1,395
Miles from Orangeville Junction	CANADIAN PACIFIC RAILWAY—TEESWATER BRANCH	
0.0	Orangeville junction with Owen Sound branch, 52.5 miles from Toronto	1,613
3.6	Amaranth station	1,544
6.0	Waldemar "	1,487
6.3	Grand River, bed, 1,454; rail	1,480
8.2	Grand Valley station	1,512
11.5	Summit "	1,580
19.6	Arthur station	1,323
26.5	Kenilworth station	1,481
33.0	Mount Forest junction	1,378
33.6	Saugeen River, bed, 1,302; rail	1,318
34.2	Mount Forest station	1,348

Miles from Orangeville Junction	CANADIAN PACIFIC RAILWAY—TEESWATER BRANCH	Elevation
37.3	Grand Trunk Ry. crossing.....	1,484
41.8	Harrison station.....	1,244
41.9	Grand Trunk Ry. crossing.....	1,244
50.2	Fordwich station.....	1,194
53.0	Maitland River, bed, 1,110; rail.....	1,127
54.1	Gerrie station.....	1,139
56.1	Wroxeter ".....	1,104
62.9	Glenannan, junction with Wingham branch.....	1,073
67.9	Teeswater station.....	1,019
Miles from Glenannan	CANADIAN PACIFIC RAILWAY—WINGHAM BRANCH	
0.0	Glenannan, junction with Teeswater branch.....	1,673
4.6	Wingham station.....	1,020
Miles from Molson	CANADIAN PACIFIC RAILWAY—LAC DU BONNET BRANCH	
0.0	Molson, junction with main line, 1,378.3 miles from Montreal.....	879
0.5	Junction switch.....	877
1.4	Summit near centre Sec. 28, Tp. 12, Range 9 E., grade.....	858
6.0	Depression, swamp in Sec. 15, Tp. 13, Range 9 E., grade.....	831
9.9	Summit, S. E. ¼ Sec. 2, Tp. 14, Range 9 E., grade.....	918
10.0-17.0	Nearly level.....	915-895
22.3	End of profile.....	848
22.1	End of spur to Winnipeg River.....	828
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—EMERSON BRANCH	
0.0	Winnipeg station.....	757
1.5	Winnipeg junction, with main line.....	757
2.9	St. Boniface station.....	756
9.8	Seine River, low water, 759; high water, 709; rail.....	704
11.7	St. Norbert station.....	709
23.2	Niverville ".....	776
30.5	Rat River, low water, 753; high water, 704; rail.....	779
39.8	Ottetienne station.....	780
40.1	Dufrost ".....	794
48.2	Arnaud ".....	796
55.8	Rosauv River, ice (1880), 762; high water (June 1, 1880), 778; rail.....	787
56.0	Dominion City station.....	787
63.8	Joe River, low water, 757; high water, 772; rail.....	790
66.0	Emerson station.....	792
66.1	International Boundary, junction with Great Northern Ry.....	792
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—WEST SELKIRK BRANCH	
0.0	Winnipeg station.....	757
8.1	Kildonan ".....	753
12.4	Parkdale ".....	755
15.2	Victoria Park ".....	757
19.2	Lower Fort Garry station.....	751
22.7	West Selkirk ".....	783
23.9	River landing.....	792
	Red River, high water, 721; low water.....	711
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—STONEWALL BRANCH	
0.0	Winnipeg station.....	757
1.9	Air Line junction.....	756
13.4	Stony Mountain station.....	771
19.8	Stonewall ".....	829
27.9	Jackfish Brook, bed, 803; rail.....	814
29.3	Balmoral station.....	832
35.9	Campbell Brook, bed, 827; rail.....	840
39.2	Teulon (formerly Foxton) station.....	861
3		

Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—PEMBINA BRANCH	Elevation
0.0	Winnipeg station.....	757
2.4	South Western branch junction.....	760
4.4	St. James station.....	764
4.5	Assiniboine River, high water, 743; low water, 734; rail.....	764
6.6	Northern Pacific Ry. crossing.....	764
11.2	Fort Whyte station.....	765
17.8	La Salle or Stinking River, high water, 749; low water, 733; rail.....	770
18.0	La Salle station.....	770
23.8	Shanawan ".....	774
29.4	Osborne ".....	777
41.2	Morris River, high water, 771; low water, 744; rail.....	775
42.0	Morris station.....	775
42.2	Northern Pacific Ry. crossing.....	778
55.6	Rosenfeld, junction with Gretna branch.....	796
65.2	Phin Coulee station.....	821
65.4	Buffalo Lake, water, 816; rail.....	821
73.4	Winkler station.....	888
89.7	Morden ".....	988
81.4	Tank.....	1,095
87.3	Thornhill station.....	1,314
93.7	Summit, rail.....	1,588
95.2	Darlingford station.....	1,561
98.7	Summit, rail.....	1,618
161.7	Manitou station.....	1,580
166.3	Top of bluff, east bank, Pembina River.....	1,550
112.5	Lariview station.....	1,325
113.8	Pembina River, water, 1,287; rail.....	1,391
118.8	1st siding.....	1,544
119.0	Top of bluff, west bank Pembina River.....	1,547
119.8	Wood Bay, junction with Snowflake branch.....	1,545
124.7	Pilot Mound station.....	1,551
125.4	Summit, rail.....	1,555
129.4	Crystal City station.....	1,513
129.7	Crystal Brook, water, 1,471; rail.....	1,540
133.3	Clearwater Brook (Cypress or Long River), 1,426; rail.....	1,498
133.6	Clearwater station.....	1,498
141.0	Mather ".....	1,527
146.9	Baeger Brook, water, 1,474; rail.....	1,514
147.8	Cartwright station.....	1,531
155.0	Holmfield ".....	1,551
155.5	White Mud River (Long River), water, 1,541; rail.....	1,551
163.7	Killarney station.....	1,625
169.7	Little Pembina River, water, 1,666; bed, 1,663; rail.....	1,645
174.5	Nings station.....	1,649
180.9	Summit, ground, 1,694; rail.....	1,690
182.0	Boisestain station.....	1,683
192.6	Whitewater ".....	1,659
194.2	Whitewater Lake, high water, 1,637; low water.....	1,632
202.1	Deloraine, junction with Waskada branch.....	1,644
212.4	Medora station.....	1,504
220.7	Napinka, junction with Souris branch.....	1,466
Miles from Rosenfeld	CANADIAN PACIFIC RAILWAY—GRETTA BRANCH	
0.0	Rosenfeld, junction with Pembina branch.....	796
6.8	Altona station.....	812
13.7	Gretna ".....	829
13.9	International Boundary, junction with Great Northern Railway.....	829
Miles from Rosenfeld	CANADIAN PACIFIC RAILWAY—ROSENFELD AND EMERSON LINE (abandoned)	
0.0	Rosenfeld station.....	796
12.5	Marais River, bed 775; rail.....	791
19.3	West Lynne.....	791
20.6	Red River, high water (1882), 787; low water.....	750
20.8	Emerson station (Emerson branch).....	792

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Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—SOUTH WESTERN BRANCH	Elevation
57	0.0 Winnipeg, junction with main line.....	757
60	2.4 South Western Branch junction.....	761
64	2.9 Colony Brook, bed, 758; rail.....	763
64	7.0 Murray Park station.....	780
65	7.5 Simpson Brook, low water, 756; rail.....	774
70	12.8 Headingly station.....	779
70	13.5 Assiniboine River, extreme high water, 763; low water, 753; bed, 743; rail.....	775
74	15.7 Northern Pacific Ry. crossing.....	779
77	26.0 La Salle River, high water, 773; low water, 765; rail.....	781
73	26.3 Starbuck station.....	781
73	34.1 Fannyville.....	789
73	49.4 Cullross ".....	809
76	43.0 Elia Creek, junction with Carman branch.....	829
84	47.5 Water tank.....	859
81	56.2 Haywood station.....	959
88	50.8 St. Claude ".....	984
88	68.2 Morris River, low water, 1,031; rail.....	1,047
85	69.8 Killywell station.....	1,070
114	77.0 Treherne ".....	1,211
88	77.8 Morris River, low water, 1,169; bed, 1,164; rail.....	1,232
91	81.0 Summit.....	1,237
118	85.3 Holland station.....	1,237
89	95.3 Cypress River station.....	1,232
99	95.9 Cypress River, low water, 1,214; bed, 1,208; rail.....	1,224
925	104.3 Glenboro station.....	1,251
94	118.0 Stockton ".....	1,193
94	114.1 Water tank.....	1,181
947	117.9 Souris River, low water, 1,113; rail.....	1,169
945	119.8 Trossbank station.....	1,206
931	122.6 Planting ".....	1,242
935	125.6 Methven ".....	1,284
913	127.2 Northern Pacific Ry. crossing.....	1,311
901	127.7 North branch Black Brook, bed, 1,285; rail.....	1,312
498	131.4 Nesbitt station.....	1,417
498	136.7 Summit.....	1,502
527	139.6 Carroll station.....	1,477
514	150.0 Souris, junction with Souris branch.....	1,100
531	Souris River at Souris.....	1,164
551		
551		
625		
645		
649		
690		
683		
659		
632		
644		
504		
466		
	Miles from Elm Creek	
	0.0 Elm Creek, junction with South Western branch, 45.9 miles from Winnipeg.....	829
	6.1 Burnley station.....	852
	12.1 Carman ".....	872
	Morris River at Carman, high water, 854; low water.....	843
	Miles from Wood Bay	
	0.0 Wood Bay, junction with Pembina Branch, 119.8 miles from Winnipeg.....	1,545
	9.8 Purves station.....	1,574
	16.3 Snowflake ".....	1,563
	Miles from Deloraine	
	0.0 Deloraine, junction with Pembina branch, 202.1 miles from Winnipeg.....	1,644
	8.3 Goodlands station.....	1,654
	17.2 Waskada ".....	1,551
	Miles from Portage la Prairie	
	0.0 Portage la Prairie, junction with main line, 1,478.8 miles west of Montreal.....	854
	Portage la Prairie, old M. and N.W. Ry. station.....	857
	2.9 Channel by which Assiniboine River overflowed into Lake Manitoba (May 3, 1882); bed, 856; rail.....	869
	6.0 Six-mile station.....	843
	9.8 Macdonald ".....	834
	34	

796
812
829
829

796
791
791
759
792

Miles fr. m Portage la Prairie	CANADIAN PACIFIC RAILWAY—NORTH WESTERN BRANCH	Elevation
16.9	Westbourne station	832
17.4	Whitemud River, bed, 812; rail	832
21.8	Gravel pit switch	861
26.8	Woodside station	853
27.3	Whitemud River, bed, 819; rail	860
34.9	Charltons, junction with Canadian Northern Ry	884
35.7	Whitemud River, bed, 871; rail	890
35.8	Canadian Northern switch	892
39.5	Gopher Brook, bed, 876; rail	889
43.3	Keyes (formerly Midway) station	975
47.1	Stream, bed, 1,018; rail	1,028
51.4	Arden station	1,087
52.0	Snake Brook, bed, 1,061; rail	1,080
57.3-57.7	Level grade 10 to 7 ft. above natural surface	1,135
61.0	Neepawa station	1,289
66.3	Stony Brook, bed, 1,334; rail	1,374
70.3	Rankin (formerly Bridge Creek) station	1,600
75.5	East Summit station	1,706
76.0	Summit, ground, 1,500; rail	1,799
78.4	Little Saskatchewan River, water, 1,638; bed, 1,654; rail	1,670
78.5	Minnedosa, junction with Saskatchewan and Western branch	1,671
83.0	West Summit switch	1,367
83.9	Depression, ground, 1,366; rail	1,915
87.5	Summit " 1,371 "	1,967
88.5	Basswood station	1,958
88.6	Outlet of Basswood Lake, bed, 1,944; rail	1,959
92.8	Summit, highest point on line, ground, 1,360; rail	1,992
96.8	Newdale station	1,984
104.1	Strathclair "	1,910
108.3	Salt Lake, water, 1,868; rail	1,876
109.1	Summit, ground, 1,895; rail	1,888
114.9	Shell Lake station	1,821
115.0	Oak River, water, 1,802; bed, 1,799; rail	1,820
115.0	Shell Lake, 0.3 mile south, water, approximately	1,802
117.0	Summit, ground, 1,844; rail	1,839
123.2	Kelso station	1,798
129.8	Scogirth "	1,657
132.8	Ravine, bed, 1,622; rail	1,823
134.5	Birdtail Brook, water, 1,554; bed, 1,553; rail	1,597
137.6	Birtle station	1,712
138.4	Summit, ground, 1,726; rail	1,724
139.0	Stony Brook, bed, 1,697; rail	1,709
144.0	Summit, ground and rail	1,752
145.2	Foxwarren station	1,751
145.8	Snake Brook, bed, 1,734; rail	1,751
148.4	Summit, ground and rail	1,713
153.9	Silver Brook, bed, 1,639; water, 1,640; rail	1,711
154.9	Binscarth, junction with Shell River branch	1,725
157.0	Ground, 1,660; rail	1,661
157.0	Johnston station	1,660
161.8	Johnston Brook, bed, 1,360; rail	1,410
162.4	Millwood station	1,376
162.9	Assiniboine River, water, 1,321; bed, 1,316; rail	1,348
163.3	West Relief spur	1,375
164.0	Ground, 1,400; rail	1,404
165.0	Water tank	1,476
166.0	Ground, 1,529; rail	1,530
173.0	Harrowby station	1,603
180.1	Langenburg "	1,690
185.0	Ground, 1,710; rail	1,711
189.2	Chapelbridge station	1,723
196.8	Bredenburg "	1,711
204.8	Anderson Brook, bed, 1,704; rail	1,709
205.4	Saltertons station	1,714
211.8	Brook, bed, 1,663; rail	1,674
215.0	Rokey station	1,664
218.4	Branch of Whitesand Brook, bed, 1,624; rail	1,648
222.8	Yorkton station	1,633

Elevation	Miles from Portage la Prairie	CANADIAN PACIFIC RAILWAY—NORTH WESTERN BRANCH	Elevation
<i>Proposed Extension</i>			
832	221 1	Muskog between two lakes, Sec. 3, Tp. 26, R. IX, ground.....	1,648
832	227 5	Summit, Sec. 18, Tp. 26, R. IV, grade and ground.....	1,683
850	228 7	Yorkton trail, S.E. | Sec. 24, Tp. 26, R. V, grade and ground.....	1,657
884	232 4	Cusned Brook, S.E. | Sec. 33, Tp. 26, R. V, bed, 1,650; grade.....	1,692
890	234 4	Big Bone Brook, N.W. | Sec. 5, Tp. 27, R. V, 1,652; grade.....	1,661
892	249 4	Owl Brook, S.W. | Sec. 27, Tp. 27, R. VI, bed, 1,662; grade.....	1,677
889	242 7	Summit, N.W. | Sec. 32, Tp. 27, R. VI, ground, 1,669; grade.....	1,695
975	244 7	Claire Brook, Sec. 1, Tp. 28, R. VII, bed, 1,665; grade.....	1,679
1,028	251 0	Outlet of lake, S.E. | Sec. 11, Tp. 28, R. VII, bed, 1,687; grade.....	1,695
1,087	251 0	Trail, N.W. | Sec. 29, Tp. 28, R. VII, grade and ground.....	1,718
1,089	254 1	Chippewa Brook, N.E. | Sec. 1, Tp. 29, R. VIII, bed, 1,713; grade.....	1,728
1,155	256 1	End of profile, S.E. | Sec. 13, Tp. 29, R. VIII, grade and ground.....	1,741
1,209	256 5	Ground.....	1,749
1,374	258 3	Fern Brook, bed.....	1,726
1,600	260 0	Ground.....	1,760
1,703	262 7	Beur Brook, bed.....	1,741
1,799	265 3	Spring Brook, bed.....	1,764
1,670	279 0	Ground.....	1,729
1,671	272 5	Water-course, bed.....	1,792
1,987	273 0	Ground.....	1,804
From 223 to 273 miles this line lies from two to seven miles southwest of Whitesand River. It terminates near the north side of Tp. 30, R. X, W., of the 2nd Meridian, a few miles north of the Beaver Hills and about 25 miles east of the Big Touchwood Hills.			
<i>Line surveyed northwest from Lonsburg</i>			
Miles from Portage la Prairie			
1,888	185 0	Red Deer-Horn Brook, bed.....	1,700
1,821	188 0	Ground.....	1,708
1,820	195 0	Big Cutarm Brook, bed.....	1,630
1,802	203 0	Ground.....	1,699
1,859	210 0	Ground.....	1,688
1,823	220 0	Crescent and Leech lakes, a few miles north of this line, approximately.....	1,638
1,798	230 0	Ground.....	1,742
1,657	230 0	".....	1,795
1,567	254 0	".....	1,842
1,712	256 0	Ravine, bed.....	1,864
1,724	257 5	Ground, end of survey.....	1,808
This line ends in the west part of Tp. 23, R. VII, W., of the 2nd Meridian, between the Beaver Hills on the north and the Pleasant Hills on the south, and about 15 miles east of the File Hills.			
Miles from Minnedosa			
CANADIAN PACIFIC RAILWAY—SASKATCHEWAN AND WESTERN BRANCH			
1,660	0 0	Minnedosa, junction with North Western branch, 78 5 miles from Portage la Prairie.....	1,671
1,410	1 7	Little Saskatchewan River, 1st crossing, bed, 1,643; water, 1,645; rail.....	1,639
1,456	8 6	Riverdale station.....	1,637
1,348	13 9	Little Saskatchewan River, 2nd crossing, bed, 1,599; water, 1,579; rail.....	1,580
1,375	15 4	Rapid City station.....	1,580
1,401	18 4	" junction, with North Central branch.....	1,592
1,476			
1,730			
1,693			
1,690			
1,711			
1,723			
Miles from Binscath			
CANADIAN PACIFIC RAILWAY—SHELL RIVER BRANCH			
1,711	0 0	Binscath, junction with North Western branch, 154 9 miles from Portage la Prairie.....	1,725
1,709	4 0	Ground and rail.....	1,720
1,714	6 4	Brook, bed, 1,767; rail.....	1,774
1,674	9 4	Ground, 1,833; rail.....	1,832
1,664	11 0	Russell station.....	1,832
1,648	11 5	End of profile.....	1,837
1,653			

Miles from McGregor	CANADIAN PACIFIC RAILWAY—McGREGOR VARCOE BRANCH (under construction)	Elevation
	McGregor station, 1,591 2 miles from Montreal	961
0 0	Junction switch, ½ mile west of McGregor station	957
4 6	Road between S. ½ Secs. 19 and 11, Tp. 12, R. 11	965
5 7	Squirrel Brook, N.W. ¼ Sec. 16, Tp. 12, R. 11, bed, 956; grade	967
9 2	Road between S. ½ Sec. 19, R. 11 and Sec. 24, R. 12, Tp. 12, grade	977
11 0	Pine Brook, N.W. ¼ Sec. 23, Tp. 12, R. 12, bed, 968; grade	981
15 5	Road allowance between the S. ½ of Sec. 31, R. 12, and Sec. 36, R. 13, Tp. 12, grade	1,682
20 2	Same between S. ½ of Secs. 28 and 29, Tp. 12, R. 13, grade	1,189
25 4	" " " 27 and 28 " R. 14 " " " " " " "	1,285
30 9	Boggy or Whitehead Brook, N.E. ¼ Sec. 34, Tp. 12, R. 15, bed, 1,236; grade	1,271
35 2	Road allowance between Ranges 15 and 16, Tp. 13, at ½ Sec. post between 1 and 6; grade	1,270
39 1	Same between S.W. ¼ Sec. 4, Tp. 13, and N.W. ¼ Sec. 33, Tp. 12, R. 16; grade	1,307
43 8	Gully, S.E. ¼ Sec. 3, Tp. 13, R. 17; bed, 1,411; grade	1,435
50 0	Grade, S.W. ¼ Sec. 3, Tp. 13, R. 18	1,619
65 5	Varcoe, junction with North Central Branch	1,725
	CANADIAN PACIFIC RAILWAY—SOURIS BRANCH	
0 0	Kemnay, junction with main line, 1,564 5 miles west of Montreal	1,364
8 3	Beresford station	1,414
11 3	Summit	1,457
16 3	Souris, junction with South Western branch	1,400
16 7	Pine Brook, water, 1,369; bed, 1,352; rail	1,385
18 7	Summit	1,421
23 3	Monteith junction, with Pipestone branch	1,388
24 0	Souris River, water, 1,354; bed, 1,352; rail	1,389
25 7	Monteith station	1,395
27 6	Water tank	1,484
32 3	Hartney station	1,426
33 1	Hartney Brook, bed, 1,392; rail	1,408
35 1	Wood Brook, bed, 1,380; rail	1,410
41 1	Lauder station	1,444
50 5	Napinka, junction with Pembina branch	1,456
52 8	Summit	1,464
57 8	Souris River, high water (1882), 1,405; low water, 1,387; rail	1,411
58 7	Melita station	1,410
65 5	Elva " "	1,492
73 0	Pierson " "	1,531
80 3	North Antler Brook, water, 1,594; bed, 1,590; rail	1,604
81 3	Gainsborough station	1,602
89 5	Carleton " "	1,664
92 4	South Antler Brook, water, 1,643; bed, 1,637; rail	1,663
97 1	Carduff station	1,723
107 3	Glen Ewen " "	1,817
114 8	Osbow " "	1,895
115 1	Summit, rail	1,900
117 6	Moose Mountain Brook, water, 1,711; rail	1,735
121 8	Alameda station	1,804
129 4	Frolyshire " "	1,883
137 3	Hirsch " "	1,874
147 6	Bienfait " "	1,897
156 2	Estevan, junction with Pasqua branch	1,890
	CANADIAN PACIFIC RAILWAY—NORTH CENTRAL BRANCH	
0 0	Chater, junction with main line, 1,540 8 miles west of Montreal	1,213
0 8	Junction switch	1,177
10 1	Forrest station	1,428
18 1	Varcoe, junction with McGregor-Varcoe branch	1,725
21 0	Summit, ground, 1,806; rail	1,805
23 6	Rapid City station (closed)	1,602
27 2	Little Saskatchewan River, water, 1,537; bed, 1,532; rail	1,547
27 6	Rapid City junction, with Saskatchewan and Western branch	1,532
32 3	Pettapiece station	1,794
32 6	Summit, ground, 1,797; rail	1,794
34 3	Depression, ground, 1,653; rail	1,657
41 1	Oak River, bed, 1,675; rail	1,711

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Miles from Châter	CANADIAN PACIFIC RAILWAY—NORTH CENTRAL BRANCH	Elevation
01	42.8 Oak River station.....	1,710
57	49.9 Hamiota ".....	1,686
965	60.0 Crandell ".....	1,595
967	71.0 Hamiota ".....	1,479
981		
632		
189		
271		
270		
307		
435		
619		
729		
	<i>Proposed Extension to Fort Ellice</i>	
58.3	Arrow River, S.W. ¼ Sec. 30, Tp. 14, R. XXIV, bed, 1,643; rail.....	1,693
69.0	Summit, N.E. ¼ Sec. 26, Tp. 14, R. XXIV, ground, 1,797; grade.....	1,794
67.5	Brook, S.W. ¼ Sec. 6, Tp. 15, R. XXV, bed, 1,596; grade.....	1,625
70.5	Ten-mile Brook, S.E. ¼ Sec. 8, Tp. 15, R. XXVI, bed, 1,540; grade.....	1,551
75.8	Brook, near centre Sec. 3, Tp. 15, R. XXVII, bed, 1,394; grade.....	1,439
79.5	Birdtail Brook (near mouth), water, 1,245; bed, 1,243; grade.....	1,256
86.1	Summit, ground, 1,294; grade.....	1,290
93.7	Assiniboine River (at mouth of Qu'Appelle River), bed, 1,262; grade.....	1,281
101.0	End of profile, Sec. 19, Tp. 17, R. XXIX, west of 1st Mer.....	1,397

Miles from Pasqua

CANADIAN PACIFIC RAILWAY—PASQUA BRANCH

364

414

457

490

485

421

388

389

395

384

420

408

410

446

464

411

410

492

531

604

692

664

663

1,723

1,817

1,895

1,900

1,735

1,894

1,883

1,874

1,897

1,899

0.0	Pasqua, junction with main line, 1,813.8 miles west of Montreal.....	1,872
12.2	Drinkwater station.....	1,866
24.6	Rouleau ".....	1,878
42.9	Tank.....	1,883
46.9	Milestone station.....	1,903
67.3	Yellow Grass ".....	1,889
84.0	Souris River (Long Brook), bed, 1,836; rail.....	1,847
84.4	Weyburn station.....	1,847
101.3	Halorite ".....	1,894
129.2	Macon ".....	1,891
157.4	Estevan, junction with Souris branch.....	1,860
147.1	Souris River, bed, 1,797; rail.....	1,736
147.5	Roche Perce station.....	1,736
139.0	Summit, rail.....	1,903
160.5	North Portal station.....	1,914
160.6	International Boundary, junction with Minneapolis, St. Paul and Sault Ste. Marie Ry.....	1,944

Miles from Moncton Junction

CANADIAN PACIFIC RAILWAY—PIPESTONE BRANCH

664

663

1,723

1,817

1,895

1,900

1,735

1,894

1,883

1,874

1,897

1,899

0.0	Moncton junction, with Souris branch.....	1,388
7.5	DeLeon station.....	1,419
15.7	Finlay ".....	1,429
24.2	Pipestone ".....	1,451
31.3	Roston ".....	1,513
38.3	Stony Brook, bed, 1,587; rail.....	1,598
39.9	Sinclair station.....	1,636
39.2	Jackson Brook, bed, 1,656; rail.....	1,670
45.7	Boundary Brook, bed, 1,717; rail.....	1,730
45.8	Boundary between Manitoba and Assiniboia.....	1,730
47.6	Antler station.....	1,791
51.5	North Antler Brook, bed, 1,800; grade.....	1,823
55.9	Road crossing.....	1,928
57.2	Middle Antler Brook, bed, 1,889; rail.....	1,905
58.0	End of track, Sec. 18, Tp. 7, R. XXXI.....	1,933

Miles from Regina

CANADIAN PACIFIC RAILWAY—PRINCE ALBERT BRANCH

1,913

1,177

1,428

1,805

1,692

1,547

1,532

1,794

1,794

1,657

1,657

1,711

0.0	Regina, junction with main line, 1,790.2 miles from Montreal.....	1,885
6.2	Summit.....	1,939
9.1	Wascana station.....	1,865
17.5	Water tank.....	1,652
18.3	Craven junction with Craven spur.....	1,620
19.8	Lumsden station.....	1,620
22.4	Wascana River, water, 1,624; rail.....	1,620
23.3	Qu'Appelle River, water, 1,606; rail.....	1,625
27.5	Summit.....	1,853

Miles from Regina	CANADIAN PACIFIC RAILWAY—PRINCE ALBERT BRANCH	Elevation
28.4	Disley station	1,819
36.7	Bethune "	1,819
46.9	Finlayton "	1,819
55.5	Chamberlain "	1,873
63.7	Aylesbury "	1,881
73.3	Crak "	1,961
81.8	Garvin "	1,985
86.0	Summit "	2,039
87.8	Finbury station	1,970
99.9	Bladworth "	2,067
104.1	Summit "	2,094
110.9	Bonnington station	2,069
125.2	Hanley "	1,869
127.2	Water tank	1,791
128.9	Depression	1,717
136.3	Dundurn station	1,724
152.2	Grindlay "	1,692
159.7	South Saskatchewan River, extreme high water, 1,553; ordinary water, 1,538; bed, 1,524; rail	1,574
160.0	Saskatoon station	1,574
168.5	Clarks Crossing "	1,630
177.6	Osler "	1,673
188.3	Hague "	1,671
199.9	Rosthern "	1,657
211.4	Duck Lake "	1,645
220.2	Roddieck "	1,907
228.6	Macedonall "	1,540
237.8	Clouston "	1,481
246.8	Prince Albert "	1,398
	North Saskatchewan River, at Prince Albert, water (nearly)	1,360
Miles from Regina	CANADIAN PACIFIC RAILWAY—CRAVEN SPUR	
18.3	Craven, junction with Prince Albert branch	1,630
21.4	Qu'Appelle River, low water, 1,594; rail	1,669
22.2	End of track	1,606
	Last Mountain or Long Lake, water	1,597
Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	
0.0	Dunmore junction, with main line, 2,078.8 miles from Montreal	2,308
0.9	Bull-head Brook, bed, 2,307; rail	2,330
7.9	Bulls Head station	2,416
14.1	Seven Persons Coulee, bed, 2,440; rail	2,464
16.0	Seven Persons station	2,482
18.4	Eighteen-mile Coulee, bed, 2,484; rail	2,527
23.4	Whitla station	2,746
25.3	Summit, rail	2,788
29.7	Winnifred station	2,741
48.4	Bow Island "	2,698
46.4	Burdett "	2,577
54.1	Grassy Lake "	2,632
63.2	Purple Springs "	2,644
71.3	Wetmore "	2,634
80.2	Woolpe-ker "	2,734
88.7	Chin "	2,783
89.5	Chin Coulee, bed, 2,758; rail	2,706
96.6	Coaldale station	2,835
103.6	Summit	3,014
105.2	Montana junction, with Alberta Railway and Coal Co.'s Railway	3,069
105.3	Crow Nest junction	2,962
107.0	Lethbridge station	2,974
108.7	Six-mile Coulee, bed, 2,824; rail	2,974
110.7	Whoo-pup station	2,974
111.3	Summit, ground, 3,038; rail	3,033
115.9	St. Marys River, water, 2,739; rail	2,705
125.2	Kipp station (summit)	3,238
131.5	Depression (lowest point of track), rail	2,977

Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	Elevation
131.9	Belly River, water, 2,965; rail	2,987
134.2	Pearce station	3,090
142.8	Macleod	3,128
143.9	Calgary and Edmonton junction, with Macleod branch	3,139
151.7	Pigeon station	3,210
155.1	Crow-ledge Brook, bed, 3,322; rail	3,343
162.3	Brocket station	3,500
163.1	Summit, rail	3,529
164.0	Pincher Brook, bed, 3,383; rail	3,529
172.7	Pincher station	3,483
172.8	Summit, ground, 3,824; rail	3,820
175.8	South fork Old-man River, water, 3,381; rail	3,717
178.3	Cowley station	3,331
180.3	Summit, ground, 3,923; rail	3,918
181.3	Depression, rail	3,877
182.8	Summit, rail	3,918
185.1	Middle fork Old-man River (1st crossing), water, 3,796; rail	3,815
189.3	Livingstone station	3,995
190.3	Middle fork Old-man River, water	3,940
193.5	" " " " (2nd crossing), water, 4,172; rail	4,653
195.6	" " " " (2nd crossing), water, 4,172; rail	4,182
198.3	Blairmore station	4,226
199.3	Middle fork, Old-man River (3rd crossing), water, 4,255; rail	4,296
204.1	Nez Peree Creek, rail	4,356
208.5	Crow Nest Lake, water, 4,409; rail	4,424
210.5	Island Lake, extreme high water, 4,427; low water	4,430
210.5	Summit Lakes, water	4,452
211.1	Summit of Rocky Mountains	4,449
211.8	Crow Nest station	4,438
214.1	Tunnel, ground, 4,446; rail	4,346
216.1	" " 4,343; " "	4,259
216.1	Leap, middle of siding	4,723
218.4	Michel Creek, 1st crossing, bed, 4,144; rail	4,138
219.8	" 2nd " water, 4,078; bed, 4,076; rail	4,091
220.5	" 3rd " high water, 4,036; low water, 4,034; rail	4,036
221.0	" North branch, high water, 4,022; low water, 4,020; rail	4,028
221.7	Erickson station	3,976
224.3	Michel " "	3,853
227.6	Michel Creek, bed, 3,706; rail	3,714
229.9	Spearwood station	3,657
233.5	Water tank	3,529
238.1	Brook, bed, 3,456; rail	3,463
239.9	Homer station	3,447
247.5	Fernie, junction with Coal Creek branch	3,392
	Terminus of Coal Creek branch at mines	3,329
248.3	Coal Creek, water, 3,277; bed, 3,270; rail	3,292
250.2	Coal Creek station	3,221
254.1	Branch of Elk River, bed, 3,141; rail	3,157
258.4	Morrissey station	3,101
254.5	Elk River, high water, 3,021; low water (Oct. 10, 1897), 3,011; rail	3,028
263.9	Elko station	3,012
266.1	Summit, ground, 3,108; rail	3,084
271.0	Rock Creek, bed, 2,775; rail	2,836
275.0	Galloway station	2,874
275.1	Summit, ground, 2,883; rail	2,881
275.7	Sand Creek, bed, 2,840; rail	2,874
278.5	Little Sand Creek, bed, 2,697; rail	2,766
278.7	Jaffray station	2,700
283.5	Wagon road crossing	2,622
287.0	Kootenay River, high water, 2,440; low water (Sept. 6, 1897), 2,433; rail	2,449
288.8	Wardner station	2,484
300.9	Fort Steele junction	2,585
308.4	Spring Brook, bed, 2,907; rail	2,940
310.0	North Star junction, with North Star branch	2,981
310.8	Cranbrook station	3,014
316.5	Summit, ground, 3,297; rail	3,260
320.4	Swansea station	3,180

Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	Elevation
321.7	Moyie River, bed, 3,128; rail	3,138
324.2	" " " " " " " " " " " " " "	3,047
324.8	Tunnel, ground, 3,294; rail	3,048
326.5	Upper Moyie Lake, high water, 3,049; rail	3,019
328.3	Outlet Upper Moyie Lake, bed, 3,035; rail	3,049
330.7	Moyie station	3,046
331.0	Lower Moyie Lake, high water	3,040
332.7	Moyille station	3,951
333.2	Moyie River, high water, 3,036; low water, 3,031; rail	3,040
341.1	Tochtly station	2,964
342.7	Irishman Brook, bed, 2,957; rail	2,963
348.2	Little Moyie River, bed, 2,869; rail	2,880
351.6	Yahik station	2,817
353.0	Depression, rail	2,809
356.7	Goatfell station (summit)	2,997
359.4	Carroll Brook, bed, 2,732; rail	2,788
361.6	Brook, bed, 2,632; rail	2,665
366.2	Russel Brook, bed, 2,459; rail	2,435
366.2	Kitchener station	2,436
370.8	Trail crossing	2,215
373.7	Goat River, water, 1,949; rail	2,119
378.2	Creston station	1,985
375.4	Summit, ground and rail	2,602
380.0	Kaiser Creek, bed, 1,849; rail	1,870
383.5	Creston junction, with K. R. & N. Ry	1,853
390.9	Sirdar station	1,892
392.3	Sirdar junction, with K. R. & N. Ry	1,772
393.9	Kootenay Landing	1,759
	Kootenay Lake, high water (1894), 1,765; low water (1898-99)	1,735
	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	
	<i>Sandy elevations in Selkirk Mountains between Warlner and Kootenay Landing</i>	
	Kootenay River, 1½ miles above mouth of Sand Creek	2,408
	Kootenay River, at mouth of Plumb-bob Creek	2,415
	North fork, Gold Creek, 3 miles above junction with main stream	3,236
	Gold Creek, at confluence with North fork	3,166
	" " " South "	3,325
	" " small lake at headwaters	3,759
	Yahik River, East fork, small lake at headwaters	3,786
	" " at confluence with East fork	3,258
	" " where trail leaves to cross to the South fork	3,615
	South fork Yahik River, small lake expansion where trail leaves river	3,602
	South fork Yahik River at mouth of Deer-liek Creek	3,896
	Summit between Deer-liek and Meadow Creeks	3,877
	Meadow Creek, small lake at headwaters	3,732
	" " ½ mile above cascade	3,367
	" " ½ mile below "	3,176
	Moyie River at mouth of Meadow Creek	2,807
	Goat River at mouth of Kid Creek	2,285
	" " at ford	2,175
	" " ½ mile below canon	1,844
	Moyie River, ½ mile below mouth of Irishman Creek	2,937
	CANADIAN PACIFIC RAILWAY—NORTH STAR BRANCH	
	North Star junction, with Crow Nest branch	2,981
	Wanklyn station	3,097
	Porteous "	3,068
	Kimberly "	3,657
	CANADIAN PACIFIC RAILWAY—MACLEOD BRANCH	
	0 00 Calgary junction, with main line, 2,262.5 miles west of Montreal	3,419
	8 18 Fish Brook, bed, 3,385; rail	3,408
	8 88 Midnapore station	3,423
	13 05 Pine Brook, bed, 3,399; rail	3,475
	17 14 De Winton station	3,621
	17 75 Summit, ground and rail	3,622
	26 26 Okotoks station	3,439
Miles from North Star Junction		
0 0	North Star junction, with Crow Nest branch	2,981
4 3	Wanklyn station	3,097
8 8	Porteous "	3,068
16 1	Kimberly "	3,657
Miles from Calgary Junc.		
0 00	Calgary junction, with main line, 2,262.5 miles west of Montreal	3,419
8 18	Fish Brook, bed, 3,385; rail	3,408
8 88	Midnapore station	3,423
13 05	Pine Brook, bed, 3,399; rail	3,475
17 14	De Winton station	3,621
17 75	Summit, ground and rail	3,622
26 26	Okotoks station	3,439

Miles from Calgary June.	CANADIAN PACIFIC RAILWAY—MACLEOD BRANCH	Elevation
27 12	Sleep River, bed, 3,404; rail.....	3,422
28 63	Calgary-Macleod trail crossing.....	3,420
31 00	Stags siding.....	3,396
31 79	Summit.....	3,411
35 73	Tongue-flag Brook, bed, 3,377; rail.....	3,393
38 37	Higlowood River, high water, 3,386; low water, 3,380; rail.....	3,394
38 63	High River station.....	3,394
44 13	Summit.....	3,521
48 00	Cayley station.....	3,503
54 00	North Mosquito Creek, high water, 3,333; low water, 3,331; rail.....	3,345
54 77	South Mosquito Creek, " 3,329; " 3,320; ".....	3,312
56 08	Nanton station.....	3,359
69 51	Summit.....	3,411
71 10	Stavely station.....	3,411
80 73	Clarsholm ".....	3,399
85 00	Depression.....	3,293
91 30	Summit.....	3,366
92 06	Leavings station.....	3,293
94 33	Calgary-McLeod trail crossing.....	3,252
98 14	Willow Creek, water (July, 1892), 3,133; rail.....	3,153
100 63	Parempino Hills trail crossing.....	3,176
103 50	West McLeod station.....	3,168
104 19	Old-man River, low water (June, 1892), 3,088; rail.....	3,198
105 90	Calgary and Edmonton junction, with Crow Nest branch.....	3,129
Miles from Calgary June.	CANADIAN PACIFIC RAILWAY—EDMONTON BRANCH	
0 00	Calgary junction, with main line, 2,292 5 miles west of Montreal.....	3,410
1 36	Bow River, water, 3,383; bed, 3,375; rail.....	3,396
4 87	Calgary-Edmonton trail crossing.....	3,437
8 87	Bedlington station.....	3,464
11 88	Brook, bed, 3,491; rail.....	3,508
19 00	Airdrie station.....	3,528
25 95	Nose Brook, bed, 3,551; rail.....	3,566
28 96	Crossfield station.....	3,622
29 51	Summit.....	3,627
35 82	Chamberlain Brook, bed, 3,969; rail.....	3,996
39 50	Carstairs station.....	3,494
41 61	Summit.....	3,511
46 48	Didsbury station.....	3,500
49 47	Rosebud River, bed, 3,290; rail.....	3,298
56 50	Olds station.....	3,402
66 15	Bowden ".....	3,252
75 26	Imperial ".....	3,087
83 81	Penhold ".....	2,945
88 08	Waskasoo Brook, 3rd crossing, bed, 2,901; rail.....	2,912
92 00	" 6th " " 2,845; ".....	2,858
93 55	Red Deer station.....	2,806
94 96	Red Deer River, high water, 2,784; low water, 2,773; rail.....	2,798
98 88	Summit.....	2,805
103 80	Blindman River, water, 2,753; rail.....	2,774
105 31	Blackfalds station.....	2,756
111 94	Lacombe.....	2,783
121 10	Morningside " (summit), ground, 2,801; rail.....	2,788
125 80	Calgary-Edmonton trail crossing.....	2,654
127 47	Battle River, water (Sept. 5, 1890), 2,612; rail.....	2,627
128 48	Ponoka station.....	2,633
133 48	Calgary-Edmonton trail crossing.....	2,604
138 60	Summit.....	2,674
140 25	Hobbema station.....	2,612
150 61	Wetaskiwin.....	2,480
156 15	Bigstone Brook, bed, 2,440; rail.....	2,470
159 28	Pipestone Brook, water, 2,413; rail.....	2,435
161 42	Millet station.....	2,469
165 43	Summit.....	2,500
172 75	Leduc station.....	2,581
180 29	Black-mud Brook, bed, 2,240; rail.....	2,257
182 12	Okotoks station.....	2,367
" 40 60	Edmonton.....	2,188
" 1 00	North Saskatchewan River, high water, 2,012; water (Sept. 29, 1890).....	1,995
	Top of bank, north side of valley.....	2,177

Miles from Revelstoke	CANADIAN PACIFIC RAILWAY—ARROW LAKE BRANCH	Elevation
0 0	Revelstoke, junction with main line, 2,526 1 miles west of Montreal.....	1,503
0 9	Hillihiwart River, high water, 1,447; low water, 1,442; rail.....	1,456
1 0	Columbia River (Montana slough), high water, 1,435; low water, 1,429; rail.....	1,443
15 0	Akotokelex River, bed, 1,398; rail.....	1,426
15 2	Wigwam station.....	1,422
18 8	Columbia River (slough), high water, 1,412; rail.....	1,419
27 4	Arrowhead station.....	1,415
27 4	Upper Arrow Lake, high water (1894), 1,419; low water.....	1,384
Miles from Sicamous	CANADIAN PACIFIC RAILWAY—SHUSWAP AND OKANAGAN BRANCH	
0 0	Sicamous, junction with main line, 2,579 2 miles west of Montreal.....	1,158
1 0	Shuswap Lake, freshet (1885), 1,147; extreme high water, 1,152; low water.....	1,136
6 1	Summit, Black Point grade.....	1,181
12 1	Mara station.....	1,156
22 6	Enderly ".....	1,165
25 3	Bennett Brook, bed, 1,150; rail.....	1,166
30 5	Summit, watershed between Columbia and Fraser Rivers.....	1,196
31 5	Armstrong station.....	1,187
37 9	Larkin ".....	1,319
38 9	Summit, rail.....	1,536
46 0	Vernon station.....	1,255
50 8	Okanagan landing.....	1,128
50 8	Okanagan Lake, extreme flood, 1,135; low water.....	1,130
Miles from Robson	CANADIAN PACIFIC RAILWAY—COLUMBIA AND KOOTENAY BRANCH	
0 0	Columbia River at Robson, high water, 1,460; low water.....	1,361
1 9	Pass Creek, bed, 1,307; rail.....	1,411
7 7	Thurms station.....	1,532
12 7	Slocan River, bed, 1,477; rail.....	1,539
15 4	Slocan junction, with Slocan Lake branch.....	1,637
16 5	Bonnington Falls station.....	1,628
23 4	Kootenay River, water, 1,704; rail.....	1,709
23 5	Granite station.....	1,768
27 8	Nelson ".....	1,769
	Kootenay Lake, high water, 1,764; low water.....	1,749
Miles from Slocan June	CANADIAN PACIFIC RAILWAY—SLOCAN LAKE BRANCH	
0 0	Slocan junction, with Columbia and Kootenay branch.....	1,637
6 3	Slocan River, extreme flood.....	1,570
10 8	Park siding.....	1,622
10 8	Slocan River, extreme flood.....	1,618
16 6	" at mouth of Pedro Creek, extreme flood.....	1,605
20 9	Proctor siding.....	1,726
26 3	Lemon Creek station.....	1,700
31 3	Slocan City.....	1,717
31 3	Slocan Lake, high water (1894), 1,773; low water (Feb., 1895).....	1,761
Miles from Nakusp	CANADIAN PACIFIC RAILWAY—NAKUSP AND SLOCAN BRANCH	
	Upper Arrow Lake, high water (1894), 1,419; low water.....	1,384
0 0	Nakusp station.....	1,413
2 0	Slocan trail crossing.....	1,635
4 6	".....	1,903
7 0	Quilquilliskin Creek, bed, 2,045; rail.....	2,029
11 6	Summit, ground, 2,596; rail.....	2,502
12 0	Summit Lake, high water, 2,491; low water.....	2,489
12 5	Summit siding.....	2,509
23 3	Hills (formerly Slocan Lake) station.....	1,785
24 0	Slocan Lake, high water (1894), 1,773; low water (Feb., 1895).....	1,761
28 2	Rosebery station.....	1,735
32 0	Denver Canon siding.....	2,107
35 1	Alamo Concentrator siding.....	2,452

Miles from	CANADIAN PACIFIC RAILWAY—NAKUSP AND SLOCAN BRANCH	Elevation
26.3	Three Forks station	2,594
37.3	East fork Carpenter Creek, high water, 2,814; low water, 2,809; rail	2,826
38.9	" " " " 2,981; " " 2,978; "	2,992
40.5	Sandon station	3,488
Miles from	CANADIAN PACIFIC RAILWAY—ROSSLAND BRANCH	
0.0	West Robson, junction with Boundary branch	1,419
7.6	Carlsbad station	1,418
10.6	Siding No. 2	1,541
11.9	Siding No. 1	1,405
14.2	Sullivan station	1,376
16.6	Murphy "	1,367
21.1	Smelter junction	1,565
23.1	Trail station	1,364
24.0	Warfield station	2,018
26.3	Tiger "	2,483
27.3	Crown Point station	2,638
30.5	Union Avenue "	2,975
32.1	Rosland " "	3,461
	End of track, Leroi name	3,742
Miles from	CANADIAN PACIFIC RAILWAY—BOUNDARY BRANCH	
0.0	West Robson, junction with Rosland branch	1,419
2.5	Material Vari station	1,434
11.5	Shields " "	2,025
	Lower Arrow Lake, high water, 1,416; low water	1,382
11.6	Moberly Creek, bed, 1,884; rail	2,039
14.2	Howline Creek, bed, 2,214; rail	2,339
	Summit of switch track (used during construction)	3,648
22.5	Tunnel, highest point in, rail	3,214
22.8	Tunnel station	3,296
30.5	Farron station, summit of McRae Pass, ground, 3,983; rail	3,985
38.8	Coryell station	3,435
47.8	Baker Creek, bed, 2,691; rail	2,417
49.4	Pike (formerly Sutherland) station	1,978
33.6	Kettle River, high water, 1,393; low water, 1,457; rail	1,566
52.2	Cascade station	1,587
59.5	Gilpin " "	1,679
65.5	Kettle River, low water, 1,670; rail	1,699
67.1	Grand Forks station	1,746
72.7	Fisherman " "	2,241
81.0	Eholt " " , summit of Eholt Pass, ground, 3,169; rail	3,096
89.6	Greenwood " "	2,464
98.8	Midway " "	1,913
Miles from	CANADIAN PACIFIC RAILWAY—NEW DENVER AND SLOCAN BRANCH (projected)	
0.0	Junction with Nakusp and Slocan branch near Rosebery	1,785
2.7	New Denver	1,860
5.6	Silverton	1,769
15.3	Eleven mile Creek, bed, 1,768; proposed grade	1,787
21.0	Slocan, junction with Slocan Lake Branch	1,777
Miles from	CANADIAN PACIFIC RAILWAY—MISSION BRANCH	
0.0	Mission, junction with main line, 2,861.8 miles west of Montreal	27
0.7	Fraser River, high water (1882), 25; low water, 5; rail	36
4.0	Maple Grove station	27
6.5	Abbotsford " "	89
10.0	Huntingdon " "	47
10.3	International boundary	47

Miles from Westminster Junction	CANADIAN PACIFIC RAILWAY - WESTMINSTER BRANCH	Elevation
0 0	Westminster junction, with main line, 2,888 0 miles from Montreal	34
4 8	Millside station	16
6 4	Sapperton "	15
8 2	New Westminster station	13

Miles from French River	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
FRENCH RIVER TO BOBEAYGEON ROAD		
0.0	Lake Huron at mouth of French River, high water, 582.26; low water, 578.52; mean water.....	589.12
29.0	Lake, water.....	615
24.6	Summit, ground.....	762
25.4	Brook, bed.....	644
35.3	Kawagamong Lake, high water, 694; low water.....	657
40.0	Naked Lake, water.....	764
43.0	Gull " ".....	700
45.4	Summit, ground.....	785
46.5	Sarely Lake, water.....	853
49.8	Shaw " ".....	964
52.6	Pass " ".....	721
55.0	Surprise " ".....	711
56.9	Western boundary Pringle Tps., 190 ft. north of Con. line VIII and IX.....	739
58.5	Rainy Lake, water.....	748
59.9	Iber " ".....	822
59.0	Long " ".....	826
63.7	Intersection of line between lots 29 and 21, 869 ft. north of Con. line II and III, Pringle Tps.....	960
64.2	Brook, lot 22, Con. III, Pringle Tps., water.....	960
65.4	Nipissing road, 960 ft. south of line between lots 160 and 161.....	1,082
69.3	Commanda Brook, 1,809 ft. south of line between Con. XI and XII, Lamoit, water.....	1,073
70.8	Rat Lake, lot 32, Con. IX, Machar, water.....	1,084
73.4	Eagle Lake, lot 23, Con. VIII, Machar, water.....	1,164
75.0	Summit, lot 18, Con. VII, Machar, ground.....	1,229
75.6	Brook, lot 15, Con. VII, Machar, water.....	1,194
81.5	South boundary of Machar, 1,639 ft. west of east boundary, ground.....	1,144
84.2	Couchie Lake, water.....	1,150
86.5	South River, water.....	1,142
89.4	South River at Bobeaygeon road bridge, water.....	1,202
89.9	Bobeaygeon road.....	1,223
90.4	South River, water.....	1,286
90.8	End of profile at pond, water.....	1,214
FRENCH RIVER TO LAKE AMABLE DU FOND		
Miles from Cantin Bay		
0.0	French River, Cantin Bay, high water, 590; low water.....	587
5.4	Pickard River, water.....	588
10.2	Ground.....	708
18.4	Pickard River, water.....	663
21.1	Summit.....	722
22.0	Red Pine Lake, water.....	679
22.8	Birch Lake, water.....	676
31.7	Brook, water.....	733
34.8	" ".....	825
44.1	Commanda Brook, water.....	735
45.0	Commanda Lake ".....	738
46.8	Summit.....	779
48.1	Wee Lake, water.....	743
49.3	Brook ".....	767
57.6	Nipissing road, ground.....	1,020
60.8	Summit.....	1,112
63.7	South River, high water, 879; low water.....	873
68.6	Summit, ground.....	1,172
70.7	Stream, bed.....	1,049
75.8	Summit, ground.....	1,384
78.1	Mason Lake, water.....	1,313
80.6	Branch of South River, water.....	1,250
88.6	Amable-du Fond Lake ".....	1,191

CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS		Elevation
MISSISSAGI RIVER TO LAKE WENEBOGON		
	Mississagi River, Bark Lake	1,522
	" Green Lake	1,532
	" at mouth of stream from Lac Rond	1,534
	Lac Rond	1,339
	Mississagi River, lake at headwaters	1,577
	River Epanette "	1,470
	River d'Embarras "	1,460
	River Cypress, Moult Lake at headwaters	1,452
	Wenebagon River, at mouth of River d'Embarras	1,460
	" at end of Long Lake portage	1,567
	Summit between Bark Lake and River aux Sables	1,554
	" on cause-route, Mississagi River to Bark Lake	1,586
	Crossing of Mississagi River, 34 miles from Lake Wenebagon	1,422
	Cypress River, at confluence with Mississagi River	1,586
	" " River Epinette	1,494
	" " " Rocher Fendu	1,416
	" " 2½ miles below Cypress Lake	1,422
	Lake Cypress or Wagong	1,428
	Green Lake	1,262
	Lake Wenebagon	1,450
Miles from L. Wenebagon	LAKE WENEBOGON TO PIC RIVER	
0 0	Lake Wenebagon	1,315*
13 5	Garden River, lat. 47° 30' 25"	1,380
17 35	General level about	1,400
30 1	Deepwater Lake	1,290
41 0	Summit	1,600
42 0	Montreal River, lake expansion	1,410
46 7	Summit	1,840
48 0	Small lake	1,470
52 4	Shekwankwa River, 1st crossing	1,584
53 2	" " 2nd "	1,345
57 6	Summit	1,735
64 5	Shekwankwa River, 3rd crossing	960
65 8	Summit	1,790
68 0	Mackinac River, Whitefish Lake	940
69 0	Summit	1,376
74 5	Small lake	1,068
77 2	" "	1,197
78 5	Summit	1,331
81 2	Magpie River	848
85 2	Catchu River	825
87 0	Summit	1,447
89 2	Dore River	1,030
93 0	West branch Dore River	1,240
94 2	Summit	1,364
97 0	Gull Lake	1,095
103 4	Dog River	1,101
110 2	Puckewa River, Fox Lake	1,386
112 0	Summit	1,688
119 2	Mingush Lake	1,454
125 4	Mingush River, ½ mile above mouth of Owl River	1,376
129 0	Summit Lake	1,778
129 4	Summit	1,825
136 0	Sand-beach River, White Rock Lake	1,230
140 8	" "	1,031
142 7	" "	972
147 0	White River	968
164 0	Lake Superior, at mouth of Pic River, mean water (1871-90)	690 54

* This profile gives Lake Wenebagon as 1,315 instead of 1,450, as on the preceding, or 135 feet lower. As both are probably barometric, they may be considered as of equal weight.

Miles from L. Missinabi	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE MISSINABI TO PIC RIVER		
0.8	Lake Missinabi	1,134
1.0	Anjigana Lake	1,174
21.1	Summit	1,355
24.0	Winjiget Lake	1,265
34.5	Makadawagana Lake	1,265
42.0	Oba River, lake-expansion, 5 miles below Oba Lake	1,250
45.5	"	1,216
49.0	Shore of Oba Lake, near level of lake	1,218
55.7	Height-of-land	1,390
60.0	Shell Lake	1,273
65.0	Moss-water Lake	1,288
68.9	Height-of-land	1,396
69.2	Summit, highest point on line	1,336
79.9	Kabinaganing River	1,278
76.0	Trout Lake	1,298
88.0	Height-of-land between Lake Superior and Hudson Bay	1,439
89.3	"	1,450
90.2	Lake Matawanan	1,439
95.0	Lake Cargmagog	1,461
98.2	Height-of-land	1,479
106.0	Lake Kachekatonga	1,386
117.0	Lake Pukatounga	1,290
126.0	Lake Natamasagana	1,115
138.0	East branch Black River, Wabikijikaba Lake	1,064
153.1	Black River	776
163.0	Pic River	692
Miles from Shekwamkwa River	SHEKWAMKWA RIVER TO PIC RIVER	
0.0	Shekwamkwa River at forks	1,051
20.0	Michipicoten River, Whitefish Lake	986
27.5	" Lake Manitowick	996
29.0	Small lake	1,160
37.0	River Kagagkwabi, lake-expansion	1,144
39.3	"	1,278
43.7	Small lake	1,269
46.6	Magpie River, lake-expansion	1,014
54.2	Branch of Magpie River	1,227
60.7	Small lake	1,355
69.2	"	1,394
72.5	Do, Lake, lat. 48° 20' N., and long. 85° 15' W	1,331
78.0	Dog River, lake-expansion	1,333
81.0	Pock Lake, Nequazo River	1,238
88.8	White River, at mouth of Fish River	1,280
115.0	Lake Natamasagana	1,107
124.0	White River	1,061
134.0	Lake Agnamo	1,042
159.0	Lake Superior, mean water (1871-1899)	690.54
Miles from Nipigon	NIPIGON RIVER TO LONG LAKE	
0.0	Nipigon River, water	690.5
0.8	Summit, ground, 703; grade	671
5.0	Lake Helen, water	698
13.2	Stream, bed, 649; grade	736
14.9	" " water, 751; grade	811
17.4	" " " 815; "	827
19.4	Lake, water, 825; "	836
21.3	Summit (lake just east of summit, 841, and one just west, 889), ground	983
22.9	Third Lake, water	889
25.3	Lake Nipigon, water	850
32.4	Summit, ground	1,011
37.9	Lake, water	1,060
46.2	River "	1,342

Miles from Nipigon	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
NIPIGON RIVER TO LONG LAKE—Concluded		
55.5	Poplar River, water.....	1,377
62.0	Lake, water.....	1,395
67.8	River ".....	1,396
70.3	Summit, ground.....	1,443
72.5	Otter Lake, water.....	1,415
74.9	White-fish Lake, water.....	1,244
76.1	Kestrel ".....	1,298
78.6	Summit, height-of-land between Lake Superior and Hudson Bay.....	1,545
71.7	Depression, ground.....	1,226
88.0	River, water.....	1,224
94.3	Summit, ground.....	1,284
97.3	River, water.....	1,124
98.8	Summit, ground.....	1,190
109.9	Little Long Lake, water.....	1,082
105.2	River, water.....	1,070
116.3	Summit, ground.....	1,141
122.0	" ".....	1,158
126.0	Long Lake, water.....	1,013
Miles from		
LAKE NIPIGON TO THE HEIGHT OF LAND		
0.0	Zero is 36.84 miles on Austin's line, Division I, 1872.....	909
3.1	Stream, water.....	1,008
3.2	Summit, ground.....	1,055
4.8	Small stream, water.....	1,001
6.4	Summit, ground.....	1,083
6.7	Trout Brook, water.....	969
9.2	Kabotiquia River, water.....	1,068
10.7	" ".....	1,106
10.9	" ".....	1,118
11.1	" ".....	1,130
13.0	" ".....	1,188
14.3	Tattail Lake.....	1,244
15.5	Lake to north.....	1,248
17.6	" ".....	1,286
19.8	Summit, ground.....	1,307
23.1	Gull River (5 miles south of mouth of Roaring River), water.....	1,115
28.0	Summit, ground.....	1,352
28.2	Roaring River, water.....	1,357
31.0	Summit, ground.....	1,431
34.8	Round Lake, water.....	1,375
40.6	Summit, ground.....	1,520
42.0	Kitchiwatchi Lake, water.....	1,438
43.5	Donald " ".....	1,473
47.1	Salter " ".....	1,478
47.4	Waloteek " ".....	1,483
48.0	Loon " ".....	1,481
48.4	Duck " ".....	1,487
53.0	Kashishibog " ".....	1,474
56.0	Clearwater " ".....	1,484
57.1	Summit, height-of-land between Lake Superior and Hudson Bay waters, ground.....	1,588
59.0	End of profile at small lake.....	1,467
Miles from		
LAKE HELEN TO LAKE NIPIGON		
0.0	Lake Helen, water, 606; grade.....	620
0.9	Brook, water, 631; grade.....	625
3.4	" " 650; ".....	706
7.5	" " 810; ".....	832
9.5	Summit, ground, 809; grade.....	851
9.7	First Lake, water, 824; grade.....	842
11.1	Second Lake, water, 838; grade.....	846
11.7	Summit between Helen and Nipigon lakes, ground, 964; grade.....	878
13.0	Third Lake, water, 884; grade.....	894
	Lake Nipigon, water.....	850
4 1/2		

Miles from
Black Sturgeon
Lake

CANADIAN PACIFIC RAILWAY TRIAL LINES AND
LOCATIONS

Elevation

BLACK STURGEON LAKE TO BASKET LAKE—*Concluded*

Division N, 1874—Concluded.

21 1	Summit, ground	1,367
21 9	Lake, water	1,334
22 9	Summit, ground	1,631
34 0	Stream, bed	1,433
42 7	Summit, ground	1,572
43 7	Lake, water	1,495
45 1	River, "	1,465
48 2	Small lake, water	1,597
50 7	Summit, ground	1,757
54 7	Lake, water	1,487
53 2	" "	1,397
46 1	Summit, ground	1,562
55 9	Lake, water	1,486
57 8	" "	1,479
62 2	Summit, ground	1,578
63 4	Lake, water	1,525
65 4	" "	1,507
65 3	Summit, height of land between Lake Superior and Hudson Bay, ground	1,571
66 4	Small lake, water	1,565
68 4	Junction with Division O, 1874, ground	1,575

Miles from
Zero

Division O, 1874

0 0	Junction with Div. N, 1874, ground	1,575
1 0	Lake, water	1,334
4 7	Summit, ground	1,577
7 0	Lake, water	1,533
9 6	Summit, ground	1,591
11 7	River, water	1,595
13 7	Lake, "	1,494
15 4	Summit, ground	1,585
17 7	Lake, water	1,505
23 8	" "	1,548
26 3	Summit, ground	1,605
28 1	Lake, water	1,495
31 8	" "	1,592
36 0	Summit, ground	1,558
40 4	Lake, water	1,522
42 0	" "	1,534
47 0	English River, 1st crossing, water	1,452
49 0	Summit, ground	1,511
57 0	English River, 2nd crossing, water	1,540
57 8	Summit, ground	1,485
58 3	Brook, bed	1,397
61 1	Summit, ground	1,460
67 8	Lake, water	1,513
72 0	" "	1,512
73 4	English River, 3rd crossing, water	1,512
75 0	Barrel Lake, water	1,312
84 2	Lake "	1,362
84 7	Summit, ground	1,394
86 0	Lake, water	1,355
89 7	" "	1,322
94 1	Summit, ground	1,424
96 0	Lake, water	1,332
99 5	Summit, ground	1,383
102 0 109 8	Basket Lake	1,357
110 0	Summit, ground	1,428
111 5	Lake, water	1,392
113 3	End of profile (station 285 47, Jarvis line), ground	1,394

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1,047
1,238

Miles from L. Windigoostigwan	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE WINDIGOOSTIGWAN TO MANITOU LAKE		
0 0	Zero is 0 65 miles west of Windigoostigwan Lake outlet and on left bank of French Brook, ground.....	1,450
9 0	Pickerdal or Kaogassikok Lake, water.....	1,387
13 0	Brook, water.....	1,382
14 4	Lake ".....	1,386
17 7	" ".....	1,363
21 3	Island Lake, water.....	1,363
27 2	Summit, ground.....	1,339
31 6	Lake on canoe-route, Sturgeon Lake to Seine River, water.....	1,347
35 2	Summit, ground.....	1,378
38 6	Perch Lake.....	1,249
48 0	Bay of Seine River, water.....	1,240
48 5	Summit, ground.....	1,318
58 0	Seine River, water.....	1,146
59 7	" ".....	1,141
64 4	Summit, ground.....	1,241
65 9	Little Turtle Brook, water.....	1,136
74 6	Lake, water.....	1,133
77 8	Turtle Lake, water.....	1,133
81 8	Bay of Turtle River, water.....	1,133
83 8	Summit, ground.....	1,136
84 9	Hawk or Heron River, water.....	1,292
86 6	Lake, water.....	1,180
90 0	Heron Lake, water.....	1,219
91 2	Summit, ground.....	1,184
93 2	Lake, water.....	1,330
94 7	River ".....	1,190
95 5	Summit, ground.....	1,294
97 2	Brook, water.....	1,250
99 0	Atukamanouan Lake, water.....	1,189
101 7	Dog or Sakwite Lake, water.....	1,189
106 5	Summit, ground.....	1,199
108 3	Island Lake, water.....	1,394
110 3	Caterpillar Lake, water.....	1,331
112 4	Summit, ground.....	1,350
117 0	Caribou Lake, water.....	1,451
117 5	Summit, ground.....	1,236
118 7	Manitou Lake, water.....	1,397
119 5	Lake Harris ".....	1,215
120 9	Lake ".....	1,223
123 3	Summit, ground.....	1,277
124 0	Lake, water.....	1,414
		1,283
MOUTH OF NIPIGON RIVER TO LINKOOPING		
NOTE—These elevations are only approximate		
0 0	Nipigon River at mouth, water.....	600 5
4 2	Large stream, bed.....	829
13 8	Summit, ground.....	1,253
17 9	Black Sturgeon River, bed.....	745
18 5	Summit, ground.....	1,281
21 7	Sucker River, bed.....	849
29 0	Summit, ground.....	1,394
33 57	Lake, water.....	1,153
54 1	Summit, ground.....	1,391
56 2	Lake, water.....	1,675
69 5	Summit, ground.....	1,543
68 0	Dog Lake, water.....	1,378
89 4	Dog River, first rapid.....	1,386
97 5	Junction with located line at station 3201 near Linkooping station.....	1,470

vation

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops</i>		
0 0	East Selkirk, leaves present main line, Canadian Pacific Railway, 1,402 7 miles from Montreal. See page 9.	744
1 5	Red River, extreme high water (1826), 731; flood (1852), 725; ordinary high water, 721; bed, 697; ice (1876).....	711
9 9	" " Korina	750
18 7	" " Cowper	761
24 1	Summit, ground	861
28 7	" " Acadie	898
37 4	" " Cottonwood	902
38 9	Summit	909
46 0	" " Carlyle	868
46 6	Shoal Lake, high water, 856; grade.....	860
55 5	" " Montrie	855
64 3	" " Eldon	857
71 0	" " Borsding	854
79 4	" " Grattan	837
86 8	" " Gough	835
88 9	Summit, ground	838
94 4	" " Donnacona	822
96 0	Dog Lake, water, 815; grade	819
104 1	" " Apsas	819
107 1	Lake Manitoba at "Narrows", high water, 814 5; low water, 808 5; water, (Dec., 1874), 819; grade.....	824
109 4	" " Cartier	841
120 8	" " Novrad	825
129 6	" " Braidwood	840
133 9	Crane River, water	825
138 3	" " Spike	855
146 6	" " Logan	846
155 3	" " Haywood	845
163 4	" " Hogarth	848
164 2	Brook, water.....	829
171 7	Mossy River, water, 830; grade.....	839
172 3	" " Poitrinecourt	846
177 8	Brook, high water, 832; low water.....	829
179 5	" " Vandysck	838
187 7	" " Blackwood	924
188 6	Brook, high water, 916; ordinary water.....	913
191 6	" " " 944;	942
193 7	" " Longueville	965
193 9	Pine River, water	925
243 3	Duck River South, water, 1,025; grade.....	1,031
204 3	" " Sussex	1,040
213 0	Duck River North, high water, 1,168; ordinary water.....	1,166
213 5	" " Petrovka " (at north end of Duck Mountain)	1,189
214 4	Summit, ground, 1,238; grade.....	1,297
215 3	Lake, water	1,172
220 5	" " Northcote	1,174
229 3	" " Hennepin	1,173
231 8	West branch Favell River, high water, 1,154; ordinary water, 1,149; grade.....	1,162
237 7	" " Coleridge	1,211
240 9	Belling River, high water, 1,182; ordinary water, 1,180; grade.....	1,129
245 2	" " Erskine	1,286
254 6	" " Skallbut	1,384
256 2	Bears-head Creek, high water, 1,344; ordinary water, 1,341; grade.....	1,372
264 3	" " Doyle	1,455
271 9	" " Livingstone " (8 1/2 miles north of Fort Pelley).....	1,306
273 3	Snake Creek, high water, 1,386; ordinary water, 1,386; grade.....	1,476
	Old-wives Creek, ordinary water	1,551
278 8	" " Alice	1,640
280 8	Lake, water	1,609
286 1	" " Malmo " (summit).....	1,730

* Names in quotation marks are proposed stations on the old location

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamsloop—Continued.</i>		
287.6	Lake, water	1,711
291.7	Stoney Creek, water	1,684
292.5	" " " " " " " "	1,706
302.1	East branch Assiniboine River, high water, 1,636; ordinary water, 1,634; grade	1,689
302.9	" " " " " " " "	1,701
309.9	South branch Assiniboine River, high water, 1,678; ordinary water, 1,677; grade	1,704
310.6	" " " " " " " "	1,721
313.3	Depression	1,663
329.4	" " " " " " " "	2,013
322.5	Summit, grade	2,037
330.5	" " " " " " " "	1,977
339.3	Pond, water, 1,917; grade	1,922
341.7	" " " " " " " "	1,862
348.4	Mink Lake, water	1,805
350.4	" " " " " " " "	1,816
358.1	Cygnat Lake, high water, 1,786; ordinary water, 1,785; grade	1,791
359.5	" " " " " " " "	1,800
362.3	Raspberry Lake, high water, 1,787; ordinary water	1,785
368.6	" " " " " " " "	1,795
377.3	" " " " " " " "	1,847
385.0	Muddy Creek, water, 1,784; grade	1,792
387.7	" " " " " " " "	1,821
394.3	Summit, grade	1,891
395.8	" " " " " " " "	1,882
396.4	Carlton and Quill Lake trail, grade and ground	1,881
400.7	Lake, water, 1,829; grade	1,836
406.0	" " " " " " " "	1,870
414.4	" " " " " " " "	1,826
417.4	Carlton (Middle ferry) trail	1,813
420.3	Summit	1,877
422.6	" " " " " " " "	1,850
425.9	Pond, water, 1,785; grade	1,819
426.9	Carlton (Upper ferry) trail	1,848
432.8	" " " " " " " "	1,836
436.4	Summit	1,836
443.7	" " " " " " " "	1,809
451.1	Depression	1,676
453.7	" " " " " " " "	1,714
460.4	" " " " " " " "	1,690
467.7	" " " " " " " "	1,639
469.3	South Saskatchewan River, high water, 1,528; ordinary water, 1,514; grade	1,594
475.3	" " " " " " " "	1,670
482.4	Summit	1,703
484.5	Trail crossing	1,685
484.7	" " " " " " " "	1,687
495.3	" " " " " " " "	1,658
503.5	" " " " " " " "	1,536
509.3	Eagle Hill Creek, high water, 1,475; low water, 1,461; grade	1,504
515.3	" " " " " " " "	1,512
516.3	Stream, high water, 1,477; grade	1,508
525.6	" " " " " " " "	1,621
527.7	Summit	1,674
534.1	" " " " " " " "	1,586
543.1	" " " " " " " "	1,606
551.6	" " " " " " " "	1,575
555.5	Battle River, high water, 1,518; ordinary water, 1,510; grade	1,564
558.9	" " " " " " " "	1,609
566.1	" " " " " " " "	1,678
568.0	Summit	1,709
574.0	" " " " " " " "	1,628
584.6	Lake, high water, 1,751; ordinary water, 1,749; grade	1,753
586.3	Nabikwan	1,779
596.8	" " " " " " " "	1,819
605.3	" " " " " " " "	1,922

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops—Continued</i>		
613.0	Fort Pitt trail	2,069
614.0	Summit	2,169
614.3	" D "	2,196
617.6	Stream, bed, 2,027; grade	2,035
619.6	Depression, ground	2,067
620.3	" E "	2,015
629.7	Willow Hill (summit)	2,062
636.3	" F "	2,119
638.9	Blackfoot Coulee, grade	2,051
642.6	Blackfoot Hills summit, ground, 2,210; grade	2,180
645.3	Depression	2,110
646.4	Summit, ground, 2,176; grade	2,158
648.8	" G "	2,065
650.5	Lake, high water, 2,014; grade	2,066
658.3	" H "	2,159
659.1	Summit	2,169
666.3	" Grizzly Bear "	2,139
669.0	Grizzly Bear Coulee, high water, 1,903; ordinary water, 1,903; grade	2,064
675.9	Summit, ground, 2,318; grade	2,312
679.3	" I "	2,204
683.3	Summit	2,289
680.8	" K "	2,234
691.9	Buffalo Coulee, high water, 2,134; ordinary water, 2,132; grade	2,264
695.3	Summit	2,364
701.8	" L "	2,319
712.3	" M "	2,319
724.3	" N "	2,257
726.6	Vernilion River, water, 2,220; grade	2,228
734.3	" O "	2,281
743.3	" P "	2,257
753.8	" Q "	2,467
764.3	" R "	2,494
770.2	Summit, ground	2,549
775.3	" S "	2,494
783.6	Coulee, bed, 2,269; grade	2,354
784.8	Depression, grade	2,331
788.1	" Edmonton, " Sec. 26, T ₁ 49, R. XXV, West of 4th Meridian	2,007
799.3	" Grandin "	2,371
808.8	North Saskatchewan River, extreme high water, 2,114; low water (April 6, 1876), 2,094; grade	2,191
811.8	" Sikiska "	2,311
817.8	Summit, ground, 2,497; grade	2,481
821.0	" Laydams "	2,413
824.8	Cart trail, old White Mud Fort to Edmonton, ground, 2,374; grade	2,391
828.3	White Lake Brook, water, 2,246; grade	2,329
830.4	" Falliser "	2,404
833.5	Summit, ground, 2,531; grade	2,513
836.3	White Lake, water, 2,369; grade	2,373
839.0	Summit, ground, 2,418; grade	2,416
842.0	" Belcour "	2,398
846.0	Stream, bed, 2,363; grade	2,380
849.8	Summit, ground, 2,491; grade	2,476
854.8	" Lobstick "	2,569
858.1	Pembina River, high water, 2,327; ordinary water, 2,315; grade	2,402
859.7	Lobstick Brook " " 2,343 " " 2,335 "	2,387
861.4	" " " 2,421 " " 2,413 "	2,436
862.5	" " " 2,458 " " 2,450 "	2,488
866.2	" Tauglade "	2,577
869.7	Summit, ground and grade	2,640
876.2	" Southesk "	2,679
884.2	Crane River, water, 2,680; grade	2,705
886.8	" Cheville "	2,754
892.5	Lobstick Brook, high water, 2,795; ordinary water, 2,785; grade	2,816
896.8	Summit, ground, 3,028; grade	3,017

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops—Continued</i>		
899.4	Moose River, high water, 2,852; ordinary water, 2,846; grade.....	2,892
900.3	" Root River ".....	2,912
901.7	Root River, high water, 2,901; ordinary water, 2,898; grade.....	2,918
907.6	Summit between Pembina and McLeod rivers, ground.....	3,045
912.0	Wolf River, high water, 2,909; ordinary water, 2,903; grade.....	2,933
918.7	" Lacombe ".....	3,037
922.4	" Montbrun ".....	3,000
928.1	McLeod River, high water, 2,938; ordinary water, 2,929; grade.....	2,985
931.4	" McLeod ".....	3,054
935.5	Medicine Lodge Creek, high water, 3,110; ordinary water, 3,106; grade.....	3,128
942.0	" Beaver " (summit), ground, 3,394; grade.....	3,392
952.0	" Vallad ".....	3,459
955.3	Summit, ground, 3,573; grade.....	3,562
960.3	" Ponoka ".....	3,359
965.4	Stream, water, 3,139; grade.....	3,102
972.1	" Bayonette " ("Hardisty"), ground, 3,215; grade.....	3,217
978.5	Prairie River, water, 3,153; grade.....	3,188
982.3	Summit, ground, 3,263; grade.....	3,267
	" Hector ".....	3,250
	Athabasca River, high water, 3,291; grade.....	3,233
	" Grand Portal ".....	3,257
1,091.5	Athabasca River, water, 3,218; grade.....	3,224
1,091.7	" Jasperia " ground, 3,233; grade.....	3,235
1,094.4	Assiniboine River, water, 3,394; grade.....	3,313
1,097.8	Jasper Lake (Athabasca River), water, 3,256; grade.....	3,283
1,010.8	" Mimiwakan ".....	3,368
1,015.8	Snaring River, water, 3,303; grade.....	3,353
1,020.9	" Athabasca ".....	3,332
1,025.7	Athabasca River, water, 3,224; grade.....	3,447
1,030.7	" Myette ".....	3,443
1,031.0	Myette River, 1st crossing, water, 3,436; grade.....	3,620
1,038.1	" " 2nd crossing, bed, 3,605; grade.....	3,621
1,039.5	" Summit Meadow," ground, 3,622; grade.....	3,707
1,043.5	Myette River, 3rd crossing, bed, 3,703; grade.....	
1,043.6	Summit, Yellowhead Pass, 1,452 4 miles from Lake Superior—	
	Ground, by levels from Lake Superior.....	3,719
	" " Burrard Inlet.....	3,736
	" " Bute Inlet.....	3,739
	Mean.....	3,738
1,915.7	" Yellowhead ".....	3,663
1,946.1	Yellowhead Lake, high water 3,635; water (Sept., 1875).....	3,632
1,949.6	Fraser River, water, 3,617; grade.....	3,674
1,953.6	" " " 3,597; ".....	3,584
1,956.4	" Wasteco ".....	3,512
1,962.9	" Moose Lake ".....	3,434
1,964.9	Moose Lake, high water 3,404; water, (Oct., 1875).....	3,429
1,971.8	" Fraser ".....	3,419
1,972.6	Fraser River, high water 3,379; ordinary water, 3,377; grade.....	3,359
1,981.6	Glacier House, water, 2,889; grade.....	3,019
1,981.8	Bute Inlet line diverges to north-west at this point.....	3,015
1,101.6	Cranberry Lake, water, 2,880; grade.....	2,585
1,103.2	Summit, ground, 2,682; grade.....	2,653
1,105.0	Canoe River, water, 2,599; grade.....	2,574
1,107.1	Camp River, water, 2,578; grade.....	2,588
1,112.8	" " high water, 2,789; grade.....	2,794
1,114.7	Summit between Canoe and North Thompson rivers, ground (proposed grade 17 feet lower)—	
	By levels from summit of Yellowhead Pass, as above.....	2,886
	" " Burrard Inlet.....	2,904
	NOTE.—From this summit to Kamloops the levels are based on mean sea- level at Burrard Inlet.	
1,116.3	Albreda Lake, high water, 2,861; grade.....	2,867

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation	
ORIGINAL LOCATION—MAIN LINE			
<i>Selkirk to Kamloops—Concluded</i>			
92	1,120 5	Albareda River, water, 2,753; grade.....	2,770
92	1,123 5	" " 3 miles above confluence with North Thompson, high water,	
118		2,609; low water, 2,607; grade.....	2,634
145	1,128 3	North Thompson River, near mouth of Albareda River, high water, 2,409; low	
163		water, 2,404; grade.....	2,414
167	1,134 8	N. Thompson River, high water, 2,325; low water, 2,321; grade.....	2,332
180	1,145 7	" " " " 2,269 " 2,265 ".....	2,269
182	1,147 2	Green River, 2,000 feet from mouth, high water, 2,278; low water, 2,276; grade	
185	1,147 3	" Horsetail ".....	2,281
198	1,152 7	" Grand Prairie " at head of Little Cañon, high water, 1,899; low water.....	2,230
192	1,154 2	North Thompson River, high water, 2,219; low water, 2,210; grade.....	2,227
159	1,155 6	Blue River, 1 mile from mouth, high water, 2,225; low water, 2,211; grade.....	2,235
562	1,161 6	" Meadow Patch," ground, 2,213; grade.....	2,205
559	1,163 0	North Thompson River at " Burard's cache " (end of portage), water.....	2,193
162	1,165 8	" Porcupine ".....	2,161
217	1,168 1	North Thompson River, head of cañon, high water, 2,079; low water, 2064;	
188		grade opposite.....	2,066
297	1,172 3	N. Thompson River, head of still water, high water, 1,932; low water, 1,925;	
250		grade opposite.....	1,984
253	1,174 8	" Quartzite ".....	1,915
257	1,179 2	" Stillwater ".....	1,910
224	1,185 1	" Floating Bridge ".....	1,903
235	1,185 1	N. Thompson River, high water, 1,900; low water.....	1,895
313	1,191 4	" " at head of Little Cañon, high water, 1,899; low water.....	1,893
263	1,193 2	" Round Prairie," ground, 1,843; grade.....	1,835
268	1,194 9	North Thompson River, high water, 1,727; low water, 1,722; grade opposite.....	1,809
308	1,197 8	Mad River, high water, 1,680; low water, 1,678; grade.....	1,725
353	1,197 8	North Thompson River, at mouth of Mad River, high water, 1,609; low water	
332	1,198 8	N. Thompson River, high water, 1,641; low water, 1,634; grade.....	1,665
447	1,204 9	" " " " 1,522 " 1,517 ".....	1,722
443	1,214 9	" " " " 1,467 " 1,463 ".....	1,535
629	1,216 2	" Marten ".....	1,415
621	1,221 3	N. Thompson River, at mouth of Raft River, high water, 1,351; low water,	
707		1,346; grade opposite.....	1,371
	1,225 1	N. Thompson River, at mouth of Clearwater River, high water, 1,328; low	
		water, 1,321; grade opposite.....	1,345
	1,231 8	" Mosquito ".....	1,305
	1,235 1	N. Thompson River, at Assiniboine Ridge, high water, 1,235; low water,	
		1,226; grade opposite (cut 43 feet).....	1,235
	1,250 1	N. Thompson River, opposite church, Indian reserve; high water, (1876, 1,205;	
		low water.....	1,255
	1,250 9	" Reserve," ground, 1,274; grade.....	1,296
	1,257 4	N. Thompson River at White Clay bluffs, high water, 1,257; low water.....	1,248
	1,264 0	" " " at head of cañon, high water, 1,235; low water.....	1,224
	1,268 3	" " " at foot of cañon, high water, 1,218; low water, 1,207;	
		grade opposite.....	1,235
	1,269 3	" Fish Trap ".....	1,220
	1,277 0	" Kenough ".....	1,220
	1,282 6	N. Thompson River at Jamieson bluff, high water, 1,175; low water.....	1,163
	1,284 7	" Meridian Bend ".....	1,210
	1,283 9	" St. Paul ".....	1,169
	1,283 9	North Thompson River, high water, 1,146; low water.....	1,136
	1,288 1	South " " " 1,143 " 1,133; grade.....	1,160
	1,288 6	Kamloops station; at this point it joins the constructed line of the Canadian	
		Pacific Railway 2,654 3 miles from Montreal.....	1,160
PROJECTED MAIN LINE, SOUTH OF LAKE MANITOBA			
<i>" Minnedosa " Line</i>			
1,886	0 0	East bank of Red River at East Selkirk, grade.....	743
1,904	0 4	Red River, freshet (1852, 728; (1826), 734; ice (1876).....	714
	10 4	Marsh, Sec. 25, Tps. 13, R. III, east of 1st Mer., water 736; grade.....	757
	19 8	Junction with Stonewall branch, Sec. 2, Tps. 13, R. II, E. rail.....	772

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
PROJECTED MAIN LINE, SOUTH OF LAKE MANITOBA—Continued		
"Minnedosa" Line—Concluded		
28.7	Summit, ground and grade	813
29.1	Principal Meridian, Sec. 36, Tp. 13	806
48.1	Long Lake, Sec. 22, Tp. 15, R. IV, W., water 802; grade	805
59.9	Sec. 28, Tp. 13, R. IV, W., ground 813; grade	815
61.4	Portage Brook, water, 814; grade	824
71.8	Rat " " 831 " "	834
91.2	Squirrel " " 907 " "	912
96.2	Pine " " high water 935; low water 931; grade	945
103.5	Line between Sec. 6, R. XII, W., and Sec. 1, R. XIII, Tp. 13, old boundary between Manitoba and North West Territories	1,019
169.3	Summit, Sec. 6, Tp. 13, R. XIII, W., ground 1,303; grade	1,295
117.6	Willow or Boggy Brook, Sec. 24, Tp. 13, R. XV, W., bed 1,228; grade	1,258
126.9	Brook, Sec. 9, Tp. 14, R. XVI, W., bed 1,353; grade	1,412
136.7	Summit, Sec. 3, Tp. 15, R. XVII, W., ground 1,798; grade	1,795
141.3	Little Saskatchewan River, Sec. 4, Tp. 15, R. XVIII, W., water, 1,645; grade	1,662
142.9	Brook, Sec. 5, Tp. 15, R. XVIII, W., bed, 1,726; grade	1,795
159.8	Long Lake, Tp. 15, R. XIX, W., water, 1,929; grade	1,945
161.2	Summit, ground, 2,008; grade	2,004
174.3	Lake, water, 1,869; grade	1,873
180.0	Oak River, water, 1,892; grade	1,965
183.3	Summit, ground, 2,044; grade	2,066
189.3	Summit, ground, 2,044; grade	2,065
191.4	Brook, bed, 1,957; grade	1,993
193.4	Summit, ground, 2,024; grade	2,013
197.2	Brook, bed, 1,749; grade	1,789
201.3	Birdtail Brook, bed, 1,688; grade	1,705
203.4	Shell River trail, ground, 1,742; grade	1,749
206.4	Brook, bed, 1,807; grade	1,915
"Rapid City and Osmah" Line		
0 0	Zero is near the N. E. corner of Sec. 25, Tp. 12, R. XIII, and on the line between R. XII and XIII, (old western boundary of Manitoba) and 1.5 miles south of the 'Minnedosa' line at 163.48 miles from Selkirk	1,638
10.0	Ground and grade, Sec. 28, Tp. 12, R. XIV, W.	1,285
15.3	Boggy or Willow Brook, Sec. 27, Tp. 12, R. XV, W., water, 1,246; grade	1,296
16.0	Summit, Sec. 27, Tp. 12, R. XV, W., grade and ground	1,277
23.3	South Saskatchewan trail, S. E. corner Sec. 4, Tp. 13, R. XVI, W.	1,317
25.0	Brook, Sec. 4, Tp. 13, R. XVI, W., water, 1,465; grade	1,502
29.0	Sec. 9, Tp. 13, R. XVII, W., ground, 1,673; grade	1,670
35.0	Summit, Sec. 14, Tp. 13, R. XIX, W., ground, 1,776; grade	1,773
49.2	"Rapid City" station ground, Sec. 15, Tp. 13, R. XIX, W., grade	1,767
45.1	Little Saskatchewan River, Sec. 19, Tp. 13, R. XX, W., bed, 1,543; grade	1,566
50.0	Grade and ground	1,800
55.0	" " " " " " "	1,844
61.0	" " " " " " "	1,840
65.0	" " " " " " "	1,824
67.4	Brook, water, 1,844; grade	1,815
70.0	Ground, 1,815; grade	1,808
75.5	Raven Lake, water, 1,791; grade	1,794
75.7	Shoal Lake " " 1,793 " "	1,796
79.1	Three-mile Brook, water, 1,789; grade	1,794
86.1	Arrow River, water, 1,771; grade	1,782
90.0	Ground and grade	1,782
94.8	Birdtail Brook, near line between Secs. 15 and 16, Tp. 13, R. XXVI, water, 1,590; grade	1,629
97.7	Sec. 25, Tp. 18, R. XXVI, W., ground, 1,731; grade	1,728
102.6	Summit, Waywayscamps Reserve, ground, 1,833; grade	1,828
106.5	Brook, Sec. 29, Tp. 19, R. XXVI, W., bed, 1,869; grade	1,816
110.7	Sec. 11, Tp. 20, R. XXVII, W., grade and ground	1,836
114.4	Brook, Sec. 20, Tp. 20, R. XXVIII, W., bed, 1,819; grade	1,832
116.9	Summit, Sec. 36, Tp. 20, R. XXVIII, W., ground, 1,878; grade	1,872

Miles from
old boundary
of Manitoba

Miles from old boundary of Manitoba	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
PROJECTED MAIN LINE, SOUTH OF LAKE MANITOBA—Continued		
<i>"Rapid City and Oshawa" Line—Concluded</i>		
119 6	Fort Ellice trail, near Russell, Sec. 3, Tp. 21, R. XXVIII, W., ground, 1,816; grade	1,818
121 1	Slunk Creek, Sec. 9, Tp. 21, R. XXVIII, W., water, 1,786; grade	1,800
122 5	Summit, Sec. 17, Tp. 21, R. XXVIII, W., ground, 1,809; grade	1,802
136 3	Thunder Brook, Sec. 23, Tp. 22, R. XXIX, water, 1,583; grade	1,637
136 1	Assiniboine River, Sec. 2, Tp. 23, R. XXIX, high water, 1,363; low water, 1,254; grade	1,372
137 2	Trail, Pelly to Shoad Lake, Sec. 12, Tp. 23, R. XXIX, grade and ground	1,384
140 2	Stream, Sec. 25, Tp. 23, R. XXIX, water, 1,445; grade	1,545
144 9	Trail, Pelly to Shoad Lake, Sec. 4, Tp. 24, R. XXIX, grade and ground	1,646
149 1	Trail, Pelly to Ellice, Sec. 14, Tp. 24, R. XXX, ground, 1,646; grade	1,648
159 4	N.W. corner Sec. 4, Tp. 25, R. XXXI, W., of 1st Mer., grade and ground	1,741
172 7	S.W. corner Sec. 24, Tp. 26, R. I.W., of 2nd Mer., ground, 1,721; grade	1,722
182 7	N.W. corner Sec. 23, Tp. 27, R. II, W., of 2nd Mer., ground, 1,674; grade	1,677
191 5	Trail, Qu'Appelle to Pelly, Sec. 22, Tp. 28, R. III, W., ground 1,605; grade	1,609
198 1	Whitesand River, Sec. 14, Tp. 29, R. IV, W., water 1,561; grade	1,572
200 1	Surprise River Sec. 22, Tp. 29, R. IV, W., water, 1,563; grade	1,574
212 7	Ground, N.E. corner Sec. 39, Tp. 30, R. V, W., of 2nd Mer	1,599
219 5	Stream, Sec. 29, Tp. 31, R. VI, W., water	1,663
229 1	David Creek, at crossing of Touchwood and Pelly trail, Sec. 36, Tp. 31, R. VI, W., water	1,608
228 8	End of profile, S.E. corner Sec. 36, Tp. 31, R. VIII, W., of 2nd Mer., ground	1,785
Miles	<i>Junction Line—"Rapid City and Oshawa" Line to "Minnedosa Line"</i>	
10 0	Sec. 28, Tp. 12, R. XIV, West of 1st Mer., grade	1,285
15 9	Boggy or Willow Brook, Sec. 11, Tp. 13, R. XV, water, 1,209; grade	1,267
21 0	" " " " 29 " 13 " XV " 1,249 "	1,259
29 4	Stream, Sec. 24, Tp. 14, R. XVII, water, 1,547; grade	1,557
32 2	Pond, Sec. 27, Tp. 14, R. XVII, water	1,664
35 6	Junction with "Minnedosa" line	1,801
SELKIRK BRANCH		
Miles from W. Selkirk	<i>Projected Extension to Lake Dauphin</i>	
This line follows the original location of the main line from West Selkirk to the "Narrows" of Lake Manitoba, which see for intermediate elevations, See page 55		
0 00	Junction with Selkirk branch near West Selkirk station	742
72 40	Swan Lake, Tp. 21, R. VI, water	850
91 40	Deception Lake, water	817
93 45	Dog Lake, water (Sept. 17, 1890)	812
105 95	Lake Manitoba at "Narrows," high water, 816; water (Sept. 20, 1890) ..	809
122 00	Lonely Lake, water	815
132 00	Summit	896
138 18	Turtle River, water, 895; grade	870
143 00	" " " " 850 "	857
151 00	Dauphin trail, Sec. 23, Tp. 24, R. XVI, W., of 1st Mer	870
151 85	Ochre River, 1 mile from L. Dauphin, water, 869; grade	870
155 96	Minnedosa and Dauphin trail, Sec. 31, Tp. 24, R. XVII	894
162 26	Edwards Creek, Sec. 1, Tp. 25, R. XIX, water, 932; grade	939
165 74	Vermilion River, Sec. 9, Tp. 25, R. XIX " 969 "	978
173 62	Wilson River, Sec. 17, Tp. 25, R. XX " 1,030 "	1,060
180 54	Valley River, Sec. 30, Tp. 25, R. XXI, bed, 1,148 "	1,221
190 49	Stream, Sec. 33, Tp. 25, R. XXIII " 1,365 "	1,389
195 00	Surface, Sec. 27, Tp. 25, R. XXIV	1,482
198 58	Summit	1,546
202 92	Valley River, Sec. 3, Tp. 26, R. XXV, bed, 1,510; grade	1,522
212 59	End of profile, Tp. 26, line between R. XXVI and XXVII, W., of 1st Mer.,	1,634

Miles from Roche Perce	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
MANITOBA SOUTHWESTERN COLONIZATION RY.		
<i>Roche Perce to Carman—South of Swan Lake</i>		
0 0	Roche Perce (line between Secs. 25, R. VII, and 30 R. VI, Tp. 1, W. of 2nd Mer.	1,739
5 6	Souris River, high water, 1,717; low water	1,700
12 0	Summit, Sec. 28, Tp. 2, R. V.	1,881
23 9	" " 23, " 3, " IV.	1,914
32 2	Moose Mountain Brook, line between Sec. 33, Tp. 3, and Sec. 4, Tp. 4, R. II, water	1,726
34 6	Summit, line between Sec. 35, Tp. 3, and Sec. 2, Tp. 4, R. II.	1,918
35 9	South Antler Brook, Sec. 31, Tp. 3, R. XXXIII, W. of 1st Mer., bed.	1,746
47 2	Summit, Sec. 22, Tp. 3, R. XXXIII.	1,800
56 5	North Antler Brook, Sec. 36, Tp. 3, R. XXXIII, W. of 1st Mer.	1,695
80 3	Armstrong Brook, Sec. 34, Tp. 3, R. XXVIII, bed.	1,499
85 7	" " line between Secs. 33 and 27, Tp. 3, R. XXVII, water.	1,443
87 1	Summit, Sec. 26, Tp. 3, R. XXVII.	1,472
89 8	Souris River, Sec. 6, Tp. 4, R. XXVI, high water, 1,398; low water	1,388
115 0	Summit, Sec. 18, Tp. 4, R. XXII, west of 1st Mer.	1,648
115 0 143 0	Nearly level	1,648-1,633
135 5	Top of bank of Pembina River, Sec. 3, Tp. 4, R. XVI.	1,519
157 9	Pembina River, Sec. 36, Tp. 3, R. XVI, water, 1,379; grade.	1,415
160 5	Outlet of Pelican Lake, Sec. 32, Tp. 3, R. XV, bed, 1,337; grade.	1,349
161 4	Lake Lorne (Pembina R.), Sec. 28, Tp. 3, R. XV, water, 1,332; grade.	1,377
162 9	Summit, Sec. 22, Tp. 3, R. XV.	1,469
165 4	Pembina River, Sec. 24, Tp. 3, R. XV, high water, 1,341; low water.	1,329
165 8	Junction with trial line north of Swan Lake.	1,359
168 2	Long River, bed, 1,324; grade.	1,334
170 0	Rock Lake, high water, 1,330; rail.	1,321
177 3	Pembina River, Sec. 12, Tp. 3, R. XIII, high water, 1,328; bed.	1,399
181 6	Crystal Brook, Sec. 9, Tp. 3, R. XII, bed, 1,329; grade.	1,341
199 1	Summit, Sec. 2, Tp. 2, R. X, ground.	1,564
210 5	Pembina River, Sec. 21, Tp. 1, R. VIII, bed, 1,187; grade.	1,211
224 9	Summit, Sec. 6, Tp. 2, R. VI, ground.	1,525
231 2	Lilly Brook, Sec. 6, Tp. 2, R. V, bed, 1,175; grade.	1,224
235 4	Calamity Brook, Sec. 9, Tp. 2, R. V, bed, 1,634; grade.	1,655
243 1	Junction with line north of Swan Lake at 215 5 miles.	951
244 7	Lizard Lake, Sec. 7, Tp. 4, R. VII, water, 1,577; grade.	1,582
255 4	Nelson village, Sec. 26, Tp. 3, R. VI.	1,039
260 4	Dead-horse Brook, Sec. 21, Tp. 3, R. V, bed.	932
274 9	Tobacco Brook, Sec. 23, Tp. 3, R. V, bed, 862; grade.	876
281 5	Morris River at Carman, Sec. 25, Tp. 6, R. V, bed, 840; grade.	863
<i>North of Swan Lake</i>		
165 8	Junction with trial line south of Swan Lake.	1,359
177 7	Summit, Sec. 28, Tp. 4, R. XIII, ground.	1,445
182 9	Depression, Sec. 32, Tp. 4, R. XII, "	1,339
189 2	Summit, Sec. 7, Tp. 5, R. XI, "	1,548
194 5	Depression, Sec. 14, Tp. 5, R. XI, "	1,448
201 3	Goose Lake, Sec. 11, Tp. 5, R. X, water.	1,571
215 5	Junction with line south of Swan Lake.	951
BUFFALO LAKE BRANCH (projected)		
0 0	Junction with main line 1,940 1 miles from Montreal (5 9 miles west of Swift Current station)	2,450
5 50	Depression, Sec. 8, Tp. 16, R. XV, W. of 3rd Mer., ground.	2,362
10 40	Summit " " 7 " 16 " XV, " "	2,409
13 60	Depression " " 30 " 16 " XVI, " "	2,345
16 00	Summit " " 27 " 17 " XVII, " "	2,416
20 0	Depression " " 5 " 17 " XVII, " "	2,358
23 80	Summit " " 14 " 17 " XVIII, " "	2,414
31 00	Snake Holes valley, Sec. 35, Tp. 17, R. XIX, W. of 3rd Mer., ground, 2,190; grade	2,234

Miles from main line	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
<i>BUFFALO LAKE BRANCH (projected)—Continued</i>		
35.00	Summit, Sec. 7, T _p 18, R. XIX, W. of 3rd Mer., ground.	2,234
40.00	Grade " 21 " 18 " XX "	2,271
50.00	" " 20 " 19 " XXI "	2,286
58.80	Summit " 1 " 20 " XXIII " ground.	2,370
60.00	Grade " 2 " 20 " XXIII "	2,336
64.10	Summit " 16 " 20 " XXIII "	2,407
69.00	Depression " 34 " 20 " XXIV " grade.	2,319
71.29	Summit " 4 " 21 " XXIV "	2,384
83.03	Depression " 34 " 21 " XXVI "	2,186
88.65	Summit " 11 " 21 " XXVII "	2,245
96.31	Stream " 34 " 22 " XXVIII "	2,131
101.50	South Saskatchewan River, Sec. 8, T _p 23, R. XXV, W. of 3rd Mer. (2 3 miles below mouth of Red Deer River), grade, 1,912; water (June 11, 1890)	1,888
113.80	Stream, Sec. 36, T _p 25, R. I, W. of 4th Mer., bed, 2,945; grade.	2,162
118.36	Grade " 10 " 24 " I "	2,246
121.00	Stream " 17 " 24 " II "	2,259
125.31	Ground " 22 " 24 " III "	2,469
127.50	Depression " 29 " 24 " III "	2,424
132.65	Summit " 10 " 24 " IV "	2,619
135.00	Depression " 21 " 25 " IV "	2,584
137.82	Summit " 25 " 25 " V "	2,687
141.39	Level, Secs. 33, 32 & 31, T _p 25, R. V " grade.	2,464
146.9	Summit, Sec. 34, T _p 25, R. VI " ground, 2,584; grade.	2,578
151.25	Depression " 2 " 26 " VII "	2,434
160.87	Summit " 21 " 26 " VIII "	2,807
165.49	Depression " 31 " 26 " VIII "	2,642
164.50	Summit " 6 " 27 " VIII "	2,707
167.75	Head Indian Creek " 27 " X "	2,324
174.46	Summit " 28 " X "	2,696
190.47	Berry Creek " 29 " XI "	2,538
200.29	Stream " 31 " XII "	2,529
202.4	Summit " 31 " XII "	2,694
203.33	Stream " 31 " XII "	2,595
208.80	" " 32 " XIII "	2,643
214.67	Summit " 33 " XIII "	2,689
223.68	End of profile, Sec. 32, T _p line 34 & 35, R. XIII, W. of 4th Mer.	2,763
	Lake Sullivan (nearly).	2,695
BUTE INLET ROUTE		
<i>Yellowhead Summit to Bute Inlet</i>		
0 0	Summit Yellowhead Pass, Rocky Mountains, by levels from Bute Inlet, ground. From this point to 38 15 miles this line and the Burrard Inlet line are coincident.	3,739
20.9	" " " " " "	2,943
48.3	" " " " " "	2,523
49.5	Cranberry Creek, high water, 2,430; low water, 2,426; grade.	2,464
52.0	Fraser River, high water (1876), 2,410; grade.	2,417
62.7	" " " " " "	2,391
70.0	" " " " " "	2,378
83.3	" " " " " "	2,343
91.0	" " " " " "	2,356
101.3	" " " " " "	2,317
109.5	" " " " " "	2,258
128.4	" " " " " "	2,152
129.0	Summit, ground, 2,220; grade.	2,207
132.0	Fraser River, high water, 2,150; grade.	2,133
147.7	Brook, high water, 2,067; low water, 2,060; grade.	2,118
151.1	" " " " " "	2,165
154.4	Summit, ground, 2,322; grade.	2,242
157.9	River, 1,000 feet from mouth, high water, 2,080; low water, 2,075; grade.	2,085
164.4	Brook, bed, 2,146; grade.	2,263
171.8	Summit, ground, 2,379; grade.	2,362
181.3	Fraser River, head of Grand Rapids, high water, 2,062; ordinary water.	2,049
Miles from Yellowhead Summit		

Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
<i>BUTE INLET ROUTE—Concluded</i>		
<i>Yellowhead Summit to Bute Inlet—Concluded</i>		
195.4	Summit between Fraser and Bear rivers, ground, 2,394; grade	2,384
205.4	Bear River cañon, water (June 23, 2,125; July 20, 2,114; grade	2,220
207.4	Summit between Bear and Willow rivers, grade	2,321
212.0	Willow River, water, 2,111; grade	2,116
215.3	" " 2,659; " " " "	2,066
221.6	" " 1,966; " " " "	1,975
227.7	Fraser River, Cañon pass, high water, 1,914; low water, 1,901; bed, 1,879; grade	1,938
229.2	Salmon River, high water, 1,911; low water, 1,906; grade	1,923
238.7	Summit	2,218
248.9	Stewart River, high water, 1,912; low water, 1,902; grade	1,953
250.3	Chilaco River, high water, 2,022; low water, 2,015; grade	2,033
264.3	" " " 2,046 " 2,041 " " "	2,025
273.0	" " " 2,130 " 2,121 " " "	2,162
280.0	Loop line to Dean Channel line diverges here	2,211
280.1	Chilaco River, water, 2,200; grade	2,243
293.0	Brook, bed, 2,246; grade	2,356
301.4	Telegraph trail, grade	2,647
309.1	Summit between Chilaco and Blackwater rivers, ground, 2,709; summit of grade $\frac{1}{2}$ mile east	2,693
311.0	Blackwater River, water, 2,439; grade	2,572
315.6	Dean Channel line diverges to westward here, grade	2,553
330.0	Blackwater River, high water, 2,630; low water, 2,623; grade	2,646
335.3	Nazoo River, high water, 2,675; ordinary water, 2,671; grade	2,650
347.2	" " " 2,780 " 2,774 " " "	2,731
354.2	water, 2,854; grade	2,814
365.7	Nazoo Lake, water, 2,964; grade	2,993
366.6	Trail from Alexis Lake to Alexandria, grade	2,983
369.7	Nazoo River, foot of cañon high water, 2,985; water, 2,976; grade	2,996
378.1	head of cañon water, 3,439; grade	3,443
380.6	Summit between Nazoo and Chilcostin rivers, ground	3,633
406.0	Chilcostin Lake, water	3,254
406.8	Chilcostin River, water, 3,246; grade	3,261
412.9	Summit, ground, 3,486; grade	3,478
417.0	Puntzee Lake, water	3,121
427.5	Chilaco River, water, 2,954; grade	2,986
432.5	Le Blanc Lake, water	2,966
434.0	Leon Lake, water	3,084
447.0	Eagle Lake " " " "	3,088
452.2	Summit between Chilcostin and Homathoo rivers, ground, 3,539; grade	3,468
469.484	Tatlayoyo Lake, water	2,723
486.0	Homathoo River, 2,629; grade	2,641
492.0	" " at mouth Moomoss Creek, water, 2,348; grade	2,329
501.9	" " water, 1,708; grade	1,731
503.8	" " at head of Great cañon, water	1,543
506.9	West branch Homathoo River, 0.71 miles from confluence with main stream, water, 1,191; grade	1,211
507.2	Tiedeman Brook, water, 1,179; grade	1,211
512.0	Homathoo River, Murderers bar, water, 706; grade	736
515.3	" " Wadlington cañon, water, 355; grade	408
518.9	Bella Coda River, high water, 397; low water, 393; Homathoo River, at mouth, 369; grade	406
526.0	Homathoo River, water, 171; grade	203
544.0	Bute Inlet high tide +6; low tide -0; grade	18
<i>DEAN INLET LINE</i>		
<i>By Salmon River Pass</i>		
315.28	Leaves Bute Inlet line near confluence of Blackwater and Iscultasli rivers,...	2,593
328.71	Iscultasli River, bed 2,746, grade	2,786
334.06	Summit between Blackwater and Iscultasli rivers, ground, 3,255; grade	3,245
364.25	Fort George and B.C. trail, grade and ground	3,155

Miles from Yellowhead Summit

DEAN INLET LINE

By Salmon River Pass

315.28	Leaves Bute Inlet line near confluence of Blackwater and Iscultasli rivers,...	2,593
328.71	Iscultasli River, bed 2,746, grade	2,786
334.06	Summit between Blackwater and Iscultasli rivers, ground, 3,255; grade	3,245
364.25	Fort George and B.C. trail, grade and ground	3,155

ALTITUDES IN CANADA

	Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY TRIAL LINES AND LOCATIONS	Elevation
DEAN INLET LINE			
<i>By Salween River Route</i>			
84	370 50	Euchinko Lake, water, 3,129; grade	3,167
86	375 387	Tsacha Lake "	3,292
21	389 77	Blackwater River, water, 3,410; grade	3,414
16	413 75	Summit between Nechaco and Blackwater rivers, ground, 3,725; grade, 1.32 miles west	3,697
66	423 95	Gatcho Lake, water, 3,527; grade	3,567
75	424 82	Summit between Nechaco and Salmon rivers, ground, 3,593; grade	3,583
68	427 83	Lily Lake, water, 3,549; grade	3,562
53	446 08	Salmon River, high water, 3,014; low water, 3,006; grade	3,067
18	458 00	Grassy Lake, water, 2,455; grade	2,460
53	467 31	Salmon River, high water, 1,351; low water, 1,343; grade	1,467
55	472 00	" at bluff, high water, 1,075; low water, 1,069; ground, 1,185; grade	1,140
52	479 40	" water, 743; grade	761
14	488 45	" " 358 "	368
43	498 38	" foot of cañon, water, 53; grade	133
56	500 45	Tide-water, Dean Inlet	0
47			
<i>By Nechaco River Route</i>			
83	256 87	Leaves Bute Inlet line near confluence of Nechaco and Chiloaco rivers	2,010
72	256 98	Chiloaco River, high water, 1,969; low water, 1,967; grade	2,010
63	276 52	Nechaco River, high water, 2,067; low water, 2,061; grade	2,149
50	288 17	" " 2,088 " 2,081 "	2,067
31	294 49	" at mouth Eulatazla Creek, high water, 2,109; low water, "	2,105
83	300 57	Telegraph trail, ground, 2,447; grade	2,421
96	312 00	Tsinkut Lake, high water, 2,391; grade	2,417
43	315 320	Noodki Lake, high water, 2,380; water, 2,377; grade	2,399
33	317 323	Tschick Lake " 2,340 " 2,347 "	2,469
54	332 06	Summit, ground, 2,746; grade	2,706
61	369 20	Nechaco River at Great Bend, ground, 2,688; grade	2,647
78	379 70	Nechaco River, high water, 2,634; water	2,630
21	392 50	Natalakuz Lake (Nechaco River), high water, 2,653; water, 2,647; grade	2,661
86	399 45	Entiaco River, water	2,829
64	415 70	Entiakwetachick Lake (Entiaco R.), water, 2,978; grade	2,968
88	430 10	Summit between Nechaco and Salmon rivers, ground, 3,098; grade	3,102
68	437 441	Qualeho Lake, water	2,765
11	454 60	Htaayono River, high water, 2,624; water	2,622
23	461 67	" at confluence with Salmon River, high water, 2,363; water, 2,321; grade	2,411
41	464 54	Salmon River, 1st crossing, high water, 1,922; water, 1,913; grade	1,945
59	466 55	" 2nd " 1,716 " 1,707 "	1,825
31	473 90	Y-tlesse or Salmon House, ground, 1,469; grade	1,433
63	474 13	Salmon River, 3rd crossing, high water, 1,310; water, 1,288; grade	1,451
11	488 40	" high water, 624; water	620
11	498 96	" " 256 "	253
36	507 90	Dean Inlet, grade	21
08			
GARDINER INLET LINE			
06	0 00	Gardiner Inlet, tidewater	0
03	8 81	Beginning of steep ascent, grade	181
18	11 95	Kemano River, at head of falls (falls 214 ft. in 1,900), water, 1,205; grade	1,216
	16 29	Stream, water, 2,648; grade and ground	2,656
	18 10	Siffleur Lake, water	3,753
	18 80	Summit, ground	4,925
	21 83	First Lake, water, 2,780; grade	2,842
	5		
36			
86			
45			
56			

Miles from Bute Inlet	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BUTE INLET TO YELLOWHEAD PASS		
<i>Via Quesnel</i>		
0	Bute Inlet, tidewater.....	0
79	Tatlayosa Lake.....	2,724
95	Summit.....	3,505
111	Tatla Lake.....	3,018
130	Summit.....	3,500
140	Chilistim River.....	3,246
147	Summit.....	3,633
177	Nazco River.....	2,980
207	Bucle Creek.....	2,569
232	Fraser River at Quesnel.....	1,690
244	Cottonwood River.....	2,499
252	" " ".....	2,660
2-6	Beaver Pass, summit.....	3,520
278	Willow River.....	2,559
286	Valley Creek summit.....	3,730
302	Bear Lake.....	3,220
310	Indian Point Lake.....	3,200
320	Isaac Lake.....	3,180
331	Goat River summit.....	3,750
340	Goat River.....	3,030
350	" " ".....	2,610
358	Confluence of Goat and Fraser rivers; joins "Bute Inlet" line.....	2,330
477 5	Summit of Yellowhead Pass.....	3,738
HOWE SOUND LINE		
<i>By Lilloet and Bonaparte Rivers</i>		
0 0	Tidewater, Pacific Ocean at head of Howe Sound.....	0
8 7	Tcharkamisht River, water.....	134
14 0	Minatch River " " ".....	379
23 1	Daisy Lake " " ".....	1,187
28 2	Forks of Tcharkamisht River, bank, 1,637; water.....	1,632
30 4	East branch Tcharkamisht River, water.....	1,732
33 5	Green Lake, No. 1, high water, 2,072; low water.....	2,070
34 0	" " " No. 2 " " 2,062 " ".....	2,060
34 4	Summit.....	2,172
37 5	Green Lake, No. 3, high water, 2,105; low water.....	2,103
38 0	" " " No. 4 " " 2,086 " ".....	2,084
41 6	Green River, water.....	2,041
46 5	Cliff River " " ".....	1,538
50 5	Tachashame River, water.....	1,176
56 6	Lilloet River at Pemberton meadows, water.....	692
61 2	Irkenhead River, near confluence with Lilloet River, water.....	737
67 6	Glacier stream, water.....	1,257
73 0	Summit Lake, high water, 1,582; low water.....	1,580
73 5	Summit, grade.....	1,634
79 0	Tchalnicht River, water.....	1,229
83 97	Anderson Lake, high water, 858; low water.....	833
101 5 113 0	Seton Lake " " " 800 " ".....	795
120 2	Cayoosh Creek, water.....	740
120 7 122 2	Lilloet.....	849 845
123 3	Fraser River, 700 feet north of mouth of Cayoosh Creek, high water, 669; low water, 661; grade.....	814
127 1	Opposite Bridge River (line was 390-500 feet from river).....	1,049
130 7	"The Fountain" 2,700 feet from Fraser River.....	1,364
132 0	Brook, 3,000 feet from Fraser River, bed, 1,261; grade.....	1,464
134 2	" " " " " 1,593 " ".....	1,645
145 0	Pavilion Creek, 11,100 feet from mouth, bed.....	2,454
149 153	Pavilion Lake, water.....	2,632
154 155	Crown Lake " " ".....	2,669
155 4	Marble Cañon, summit.....	2,831
158 7	South end of cañon.....	2,732
161 2	Alkali Brook, 1,490 feet from mouth, bed, 2,580; grade.....	2,713
163 4	Cap Creek, 800 feet from Hat Creek, bed.....	2,563

Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
NORTH THOMPSON RIVER TO BUTE INLET		
<i>By Clearwater River to Mahood Lake</i>		
261	Summit between Clearwater and Fraser rivers.....	3,104
271-285	Lake la Hache.....	2,679
309-314	Williams Lake.....	1,843
321	Fraser River, 9 miles below Soda Creek, water, 1,381; grade....	1,407
329	Chimney Creek.....	1,774
374	Summit, Chilcotin plain.....	3,707
400	Junction of Chilcotin Loop line.....	2,439
444-465	Tatla Lake.....	3,018
471	Summit between Chilcotin and Homathco rivers.....	3,124
480	Bluff Lake.....	2,865
490	Middle ".....	2,645
497	Twist ".....	2,223
514	Head of Great cañon.....	2,200
529	Foot ".....	640
548	Bute Inlet.....	0
CARIBOO ROAD TO CLEARWATER RIVER		
	Wagon road, at crossing of 111-mile Brook.....	2,729*
	Summit between 111-mile Brook and western stream to Canim Lake.....	3,320
	Eagle Lake, water.....	2,700
	Summit between Eagle Lake and eastern stream to Canim Lake.....	3,250
	Clearwater River at junction of route to Blue River.....	3,250
	Myrtle Lake.....	3,650
	Waterloo Lake.....	4,090
	Clearwater ".....	2,480
	Summit between Clearwater River and Pike Brook (branch of North Thompson River).....	7,400
LAKE MANITOBA TO MATTAWA		
Miles from L. Manitoba		
0	Lake Manitoba.....	810*
65	Red River.....	714
148	Little Lake Long.....	1,630
214	Watershed between Lake of the Woods and English River.....	1,400
280	English River.....	1,210
323	Canoe River.....	1,250
385	Height-of-land between Lake Superior and Hudson Bay.....	1,500
416	Opawanga River.....	1,060
439	Wabinesi River.....	930
495	Ontabika River.....	1,250
525	Height-of-land between Lake Superior and Hudson Bay.....	1,450
570	Kenogami River.....	830
702	Summit.....	1,000
731	Missinabi River.....	870
763	Kapishkasing River.....	990
779	Summit.....	1,150
793	Apiskingami River.....	960
845	Mattagami River.....	1,330
870	Height-of-land between River St. Lawrence and Hudson Bay.....	1,480
885	Montreal River at "Great Bend".....	1,060
969	" near mouth.....	720
980	Summit.....	1,080
1,020	Jocko Creek.....	610
1,047	Mattawa, Can. Pac. Ry. station.....	564

* Elevations are barometric.

Miles from Lake Manitoba	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE MANITOBA TO LAKE NIPISSING		
<i>Via Nipigon Bay</i>		
0	Lake Manitoba	810*
333	Cause River	1,350
365	Watershed between Lake of the Woods and English River	1,380
372	Firesteel River	1,450
381	Height-of-land between Lake Superior and Hudson Bay	1,500
440	Lake Nipigon	850
449	Black Sturgeon River	835
464	Summit	1,200
481	Lake Helen (Nipigon River)	600
491	Lake Superior at Red Rock, mean water (1871-1899)	600.54
504	Summit	1,210
510	Jackfish River	1,070
541	Poplar Lodge River	1,350
559	Height-of-land between Lake Superior and Hudson Bay	1,400
583	Kenogami River	830
863	Mattagami River	1,180
896	Height-of-land between River St. Lawrence and Hudson Bay	1,290
904	Depression	1,250
924	Watershed between Ottawa River and Lake Nipissing	1,420
1,638	Lake Nipissing, high water, 647.8; low water	640.5

* Elevations are barometric.

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
0 00	Montreal, Bonaventure station, top of rail.....	48 33
1 00	St. Cuneoged station.....	53 5
1 50	St. Henri ".....	61
2 09	Tarset ".....	65
4 68	Montreal West ".....	68
5 88	Brookfield ".....	86
6 01	Canadian Pacific Ry., "Short Line," under crossing; Canadian Pacific Ry., rail, 114; G. T. Ry., rail.....	86 5
6 48	Dominion station.....	89 5
6 95	Convent ".....	115
7 32	Willows ".....	130
7 82	Lachine ".....	131
9 01	Dixie ".....	99 5
10 12	Dorval ".....	87
12 00	Strathmore ".....	89
12 58	Valois ".....	89 3
13 16	Lakeside ".....	96 6
14 48	Pointe Claire ".....	107 4
15 48	Beaconsfield ".....	104 5
17 56	Beaurepaire ".....	105 5
19 02	Bay View ".....	114
20 53	St. Anne ".....	122 3
21 34	Ottawa River, Ste. Anne bridge, high water, above lock, 78' 5"; extreme low water, 69' 9"; rail.....	110 3
21 72	" Ile Perrot bridge, water, 72'; rail.....	96
24 25	" Vaudreuil bridge, rail.....	92
24 25	Vaudreuil station.....	85 2
29 00	Cedars ".....	161
31 06	St. Dominique ".....	159
34 49	River Rouge ".....	162
34 55	" bed, 139'; rail.....	158
35 34	River Delisle, bed, 156'; rail.....	161
37 66	Coteau, junction with Canada Atlantic Ry.....	160 3
37 74	Canada Atlantic Ry. crossing.....	160 8
39 52	St. Zoticie station.....	159 4
43 15	River Beaudette ".....	167 3
43 35	" bed, 149'; rail.....	172 6
45 00	Interprovincial Boundary.....	169 5
48 39	Bainville station.....	173 9
53 73	Lancaster ".....	163 6
54 83	R. au Bassin or Black River, bed, 148'; rail.....	166 3
59 43	Summerstown station.....	182 9
62 59	Indian Lands Brook, water, 171'; bed, 169'; rail.....	176 2
67 37	Cornwall station.....	191 4
68 77	" junction, with New York & Ottawa Ry.....	201 0
72 22	Mille Roches station.....	225 3
77 06	Wales ".....	235 5
81 45	Farrans Point ".....	241 3
85 76	Aultsville ".....	247 7
84 49	Aultsville Brook, water, 232'; bed, 229'; rail.....	241 7
92 27	Morrisburg station.....	268
95 11	Doran Brook, water (June 1, 1878), 229' 7"; rail.....	244 5
98 90	Iroquois station.....	242
104 39	Cardinal ".....	276
110 27	Johnstown Brook, bed, 250'; rail.....	260 2
112 12	Canadian Pacific Ry., Prescott branch, overhead crossing, rail.....	302 1
112 25	Prescott junction, with Prescott branch, Can. Pac. Ry.....	302 0
113 51	Prescott station.....	308 6
120 17	Maitland ".....	327
125 08	Canadian Pacific Ry., Brockville branch, overhead crossing, rail.....	288
125 23	Brockville station.....	280
129 60	Brockville, Westport & S. Ste. Marie Ry., under crossing; B. W. & S. Ste. M. Ry., rail, 304'; G. T. Ry., rail.....	282
129 43	Lyn station.....	284 4
130 17	Yonge Pond, water (June 13, 1878), 206'; rail.....	282 2
137 89	Mallorytown station.....	335
142 70	Vanston Pond, water (June 14, 1878), 300'; rail.....	307 6
146 11	Lansdowne station.....	332 8
155 03	Gananogue junction, with Thousand Islands Ry.....	306 3
155 48	Gananogue River, water (June 17, 1878), 206'; rail.....	280 6

Miles from Montreal		GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>			
162 50	Ballantyne station		360
168 40	Rideau		302 3
168 96	Rideau Canal, foot of Kingston Mills locks, water, 245; rail		309 7
172 61	Kingston junction, with Kingston branch		273 4
174 54	Kingston station		248
	" R. M. on window sill of Carruther's stone warehouse facing lake		248 19
172 91	Kingston & Pembroke Ry. crossing		286 7
175 41	Little Cataract Brook, water, 246; rail		254 4
179 51	Collins Bay, Lake Ontario, mean water, 245 02; rail		255 2
180 11	Collins Bay station		261
180 41	McGuinn Brook, rail		271 3
186 05	Stirling Brook, bed, 294; rail		312
187 65	Ernestown station		324 5
189 01	Hill Brook, water, 263; rail		301 7
193 16	Big Brook, bed, 288; rail		302 7
193 35	Fredricksburg station		307 2
195 10	Little Brook, water, 274; rail		307 2
198 85	Napanee River, water (June 26, 1878), 276; rail		283 1
198 51	Napanee station		311 8
200 70	Sucker Brook, water, 286 5; rail		312 7
203 32	Deseronto junction, with Bay of Quinte Ry.		235 3
206 59	Marysval station		325
208 48	Mud Brook, water (July 4, 1878), 279; rail		325
211 63	Salmon River " " " 288; bed, 251; rail		326 6
213 11	Shannonville station		334
220 21	Belleville junction, with Belleville and Midland Div.		295
220 58	Moira River, water (July 4, 78), 267; rail		282 3
223 11	Young Brook, rail		304 5
226 75	Sidney station		361
231 67	Trent River, water (July 6, 78), 247; rail		276
232 19	Freeton station		280
232 35	Central Ontario Ry. overhead crossing, C. O. Ry., rail		262
234 20	Summit, rail		353 8
234 50	Murray Hill station		345 4
241 45	Brighton		302 9
246 88	Colborne Brook, water (July 9, 78), 275; rail		287 8
249 05	Colborne station		321 0
249 86	Gillis Brook, water, 282; rail		294 0
255 42	Grafton " " 277 "		282 0
255 70	Grafton station		283 1
257 75	Clark Brook, water (July 19, 78), 339 5; rail		289 5
263 50	Cobourg, junction with Harvard branch		235 1
264 15	Cobourg Brook, water, 260; rail		272 3
269 95	Port Hope viaduct, mean water (L. Ontario), 245 02; rail		282 0
270 31	Port Hope junction, with Port Hope and Peterborough Div.		286
274 18	Port Britain station		256 2
277 95	Newtownville		302
285 91	Newcastle		285 2
290 08	Sarpe or East Brook, water (July 22, 78), 245; rail		262 4
290 29	Bowmanville station		261 5
290 37	Bowmanville or West Brook, water, 245; rail		260 8
293 68	Darlington station		379
297 85	Farewell Brook East, water, 245; rail		264 3
299 57	Ohawa station		353
303 33	Whitby and Lindsay Div., crossing		267 0
303 44	Whitby junction with Whitby and Lindsay Div.		267 0
305 09	Leon Brook, water (July 27, 78), 246 2; rail		259 8
309 70	Pickering station		287
310 20	West Pickering station		284
312 25	Dunbarton		280 2
314 97	Rosbush		280 6
315 19	River Lodge, water (July 29, 78), 246 1; rail		271 2
316 57	Port Union station		264 9
317 47	Highland Brook, water, 246; rail		288 9
322 25	Markham Road station		533 4
323 55	Summit, ground, 364; rail		436 4
324 02	Scarborough junction with Scarborough and Cobourg Div.		345 3

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Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
326 13	York Road station	469 6
327 57	York	425
331 15	Don River, mean water (L. Ontario), 245 02; rail	256 7
331 32	Don station	252
333 00	Toronto, Union station	254
	Bench mark on Union station	253 9
335 19	North Parkdale station	303
336 75	Bloor St.	369
338 10	Carlton station	405
339 19	Stream, water, 345; rail	385
341 41	Weston station	425
342 49	Humber River, water, 394; rail	428
344 70	Highfield station	544
346 50	Mimico River, water, 513; bed, 512; rail	540
348 12	Malton station	549
353 82	Eglisicoke River, water, 689; rail	712
354 10	Brampton station	712
354 26	Canadian Pacific Ry., Orangeville branch, crossing	713
359 69	Norval station	818
361 14	Credit River, water, 713; rail	826 5
362 69	Georgetown station	846
362 86	junction, with Hamilton and Allandale Div	872
365 26	Limestone station	1,002
368 35	Acton West	1,198
372 63	Sunamit rail	1,218
373 75	Eramosa River, water, 1,140; rail	1,182
374 03	Rockwood station	1,182
381 31	Speed River, water, 1,028; rail	1,066
381 39	Guelph station	1,067
382 38	Guelph junction, with Southampton branch	1,074 7
386 39	Mosborough station	1,084
391 07	Breslau	1,023
391 42	Grand River, water, 961; rail	1,069 6
395 12	Galt and Elmira branch switch	1,101
395 34	Berlin station	1,101
395 88	Berlin junction, with Galt and Elmira branch	1,093 6
401 82	Petersburg station	1,210
402 77	Summit; ground, 1,269; rail	1,248
405 23	Baden station	1,156
407 67	Hamburg	1,126
408 23	River Nith, water, 1,083; rail	1,124
414 74	Shakespeare station	1,182
420 36	Stratford and Port Dover branch crossing	1,192 7
421 34	Stratford station	1,188 8
421 90	Avon River, water, 1,164; rail	1,182 8
426 42	St. Pauls station	1,165
431 49	St. Marys	1,082
432 42	Thames River, water, 987; rail	1,040
438 80	Fish Brook, water, 914; rail	980
440 75	Granton station	1,033
446 75	Lucan	990
448 89	Lucan crossing, London and Wingham branch, rail, 890; main line, rail	881
453 81	Ailsa Craig station	753
453 96	River aux Sables, water, 716; rail	749
461 32	Park Hill station	692
464 80	Spring Brook, water, 592; rail	617
467 75	River aux Sables, water, 592; rail	613 5
469 68	Wilder Brook, water, 649; rail	673
469 89	Thedford station	681
473 80	Tool Brook, water, 713; rail	722
478 90	Forest station	711
479 69	Forest Brook, water, 678; rail	705
484 23	Alexander station	664
487 96	Candachie	648
492 60	Perch	583 5
496 29	Blackwell	601
501 79	Point Edward station (closed)	585
501 94	Sarnia wharf	587 5

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
562 55	Sarnia, junction with Kenoka and Sarnia Div.	587
563 65	Sarnia tunnel, Canadian portal, rail	547
564 01	" lowest point, rail	508
564 78	" American portal, rail	557 5
565 65	Port Huron, Mich., junction with Detroit and Port Huron branch	698
518 40	Groedell station, Mich.	707
523 45	Emmett "	774
531 90	Lapeer "	812
539 40	Inlay City "	826
543 65	Attica "	894
551 40	Lapeer "	826
558 15	Eda "	856
562 15	Davison "	787
566 65	Belsay "	777
571 10	Flint "	711
577 40	Otterburn "	771
579 90	Swartz Creek station, Mich.	778
580 90	Craze Farm "	773
584 15	Duffield "	779
588 15	Durand, Mich., junction with Detroit and Grand Haven Division	793
592 90	Bancroft station, Mich.	832
599 15	Mcree "	886
601 40	Perry "	888
605 65	Shaftsbury "	874
612 15	Haslett Park "	856
617 65	Troybridge "	847
620 40	Lansing "	835
625 15	Millet "	879
630 60	Summit, rail	855
632 65	Pottersville station, Mich.	963
638 90	Charlotte "	967
647 15	Rivet "	884
652 15	Bellevue "	864
658 65	Penfield (formerly Ranson) station, Mich.	846
664 40	Nichols station, Mich.	857
665 40	Battle Creek station, Mich.	823
671 40	Renton "	813
674 65	Summit, rail	986
675 90	Climax station, Mich.	972
680 90	Scott "	908
683 90	Pavilion "	866
688 90	Vicksburg station, Mich.	852
691 40	Schockraft "	877
700 40	Chamberlains "	860
705 15	Marcellus "	888
709 65	Wakelee "	908
713 65	Penn "	899
718 40	Cassopolis "	891
727 15	Edwardsburg "	829
730 15	Granger " Ind.	807
736 90	Mishawaka "	741
	St. Joe River, rail	680
740 40	South Bend station, Ind.	712
741 40	Oliver "	720
749 40	Crum Point "	713
756 90	Mill Creek "	699
759 65	Fish Lake "	795
759 65	Strillwell "	733
765 90	Kingsbury "	746
769 90	Wellsboro "	752
770 90	Union Mills "	742
777 15	Haskell "	797
785 15	Valparaiso "	806
790 65	Sodley "	693
794 10	Deep River bridge, rail	656
795 65	Ainsworth station, Ind.	705
801 40	Lottsville "	664
805 90	Griffith "	628
809 40	Maynard "	639
		620

GEOLOGICAL SURVEY OF CANADA

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
815.65	Thornton junction, Ill.	606
817.65	Harvey station "	605
821.15	Blue Island junction, Ill.	601
829.15	Hayford station, Ill.	622
832.15	Elsdon "	602
836.15	Chicago and West Indians junction, Ill.	591
<i>Montreal and Chicago</i>		
Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE—EASTERN DIVISION	Elevation
0.00	Montreal, Bonaventure station, top of rail	48.33
1.50	St. Henri station	61
3.02	Point St. Charles West station	53
3.62	Point St. Charles East " (closed)	53
	Bench mark on Emigrant's monument	53.27
4.46	Victoria bridge, western abutment, outer edge	67.5
5.13	" " centre span	91.5
5.84	" " eastern abutment, outer edge	66.5
5.80	River St. Lawrence, water (May 2, 1878), 31.0; extreme high water	50.5
6.32	St. Lambert, junction with South Shore Ry	74.4
8.50	End of double track	91.6
10.04	St. Hubert station	90.0
14.91	St. Bruno "	97.1
17.16	St. Bazile "	60.6
21.12	Beloeil "	61.9
21.26	Richelieu River, water (May 17, 1878), 21.6; rail	62.6
21.50	Otterburn Park station	63.0
22.23	St. Hilaire "	84.6
23.00	St. Hilaire East "	107.2
27.50	River des Hurons water, 87; rail	103.5
28.16	Ste. Madeleine station	117.1
31.92	Quebec Southern Ry., crossing	111
35.67	St. Hyacinthe station	109.4
36.17	Yamaska River, water (May 23, 1878), 61; bed, 59; rail	104
37.60	Canadian Pacific Ry., St. Guillaume branch, crossing	111
38.01	Ste. Rosalie, junction with Intercolonial Railway	113.8
42.61	Britannia Mills station	220.7
44.91	St. Liboire station (summit)	280.0
48.00	Upton "	202.5
48.16	Black River, water, 160; rail	201.2
48.57	White River, water (May 28, 1878), 176.4; rail	310.7
54.40	Actonville station	318.5
54.74	Canadian Pacific Railway, Drummondville branch, crossing	357.2
59.80	Massé River, water (May 30, 1878), 349; rail	436.8
62.06	Danby station	611.7
65.70	Summit	695.7
66.16	South Durham station	527.9
69.15	Légar	525.3
69.51	Shingle Brook, rail	525.9
79.84	Black River, rail	534.8
71.75	Gore	422.0
74.68	St. Francis River water (June 2, 1878), 360.3; rail	390.0
76.42	Milvanev Brook, water, 368; rail	389.7
76.46	Richmond, junction with Quebec Div.	403.8
80.83	Rockland station	406.2
84.05	Willow Brook, water, 388.2; rail	418.8
86.71	Windsor Mills station	419.0
86.76	Windsor Creek, water (June 5, 1878), 394.7; rail	427.1
90.25	Titus station	453.5
92.75	Brook, water, 412.2; rail	442.1
93.08	St. Francis River, 2nd crossing, water, 410; rail	469.7
94.48	Brompton Falls station	481.5
95.78	Mowé Creek, water, 402.2; rail	487.0
100.75	Magog River, water (June 7, 1878), 402.4; rail	485.0
101.10	Sherbrooke station	497.8
103.53	Canadian Pacific Ry., crossing	498.7
104.12	Lemoxville station	497.0
104.62	Massawippi River, water (June 10, 1878), 472.6; rail	486.6
106.42	Salmon River, water, 483; rail	

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	Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE—EASTERN DIVISION	Elevation
	110.90	Caticosok River, water, 619 6; rail	644 3
	111.14	Watersville station	644 3
	114.41	Compton station	732 7
	115.52	Public road bridge, road, 729 5; rail	748 0
06	117.19	Hillhurst station	817 9
01	122.55	Caticosok "	1,095 8
02	127.61	Dixville "	1,126 1
61	132.03	Boundary Line Creek, water (June 17, 1878), 1,209 2; rail	1,250 7
	132.04	International Boundary	1,250 3
	132.11	Norton Mills station, Vt	1,251 9
	133.49	Norton Creek, water, 1,209 2; rail	1,300 4
48 33	136.97	Lake station, Vt	1,300 4
61	141.24	Summit "	1,377 1
53	141.38	Summit station, Vt	1,377 1
53 27	146.69	Cargyll River, water, 1,213 4; rail	1,227 9
67 5	147.83	Island Pond station, Vt	1,186 0
91 5	152.07	East Brighton "	1,196 6
66 8	153.25	Wenlock "	1,149 5
59 5	157.87	Nulhegan River, water, June 29, 1878, 1,098 5; rail	1,121 3
74 4	162.42	" " " " 801 5; "	923 0
91 6	162.70	Connecticut River " " 875 "	910 7
80 0	162.77	North Stratford station, N.H.	906 7
97 1	166.47	Beatties "	875 0
60 6	170.72	Beg Brook, water, 859 2; rail	867 9
61 9	170.92	Stratford Hollow station, N.H.	867 9
62 6	173.16	Groveton station, N.H.	888 7
63 0	175.62	Ammonoosuc River, water (July 3, 1878), 876; rail	909 0
84 6	180.61	" " " " 935; rail	951 1
107 2	180.93	Stark station, N.H.	929 4
163 5	183.00	Perce "	973 8
117 1	185.69	Phillips Brook, water, 968 8; rail	982 3
111	185.78	Crystal station, N.H.	982 2
169 4	186.86	Ammonoosuc River, water, 971 1; rail	987 0
104	187.19	" " " " 971 6; rail	987 6
111	188.60	West Milan station, N.H.	1,001 3
113 8	188.62	North Br. Ammonoosuc River, water, 979; rail	1,000 2
220 7	191.08	" " " " 982; rail	963 7
280 0	193.72	Coperville station, N.H.	1,064 9
302 5	195.14	Summit "	1,073 0
201 5	199.12	Berlin Falls station, N.H.	1,020 6
219 2	204.29	Moose River, water July 12, 1878, 793 8; rail	808 3
319 7	205.85	Gorham station, N.H.	793 9
318 5	206.22	Peabody River, water, 768; rail	784 7
357 2	211.51	Shelburne station	707 8
430 8	211.71	Shelburne River, water (July 18, 1878), 691 6; rail	706 1
611 7	217.24	Gilead station, Me.	714 2
607 7	222.35	Pléasant River, water, 664; rail	682 8
527 9	223.39	West Bethel station, Me.	678 1
525 3	226.75	Mill Brook, water, 627 8; rail	650 3
525 9	227.24	Bethel station, Me.	652 6
534 8	227.27	Alder River, water, July 23, 1878, 626; rail	631 0
422 0	229.33	" " " " 638; rail	630 4
389 0	231.99	Lockes Mill station, Me.	724 5
389 7	233 51	Bryant Pond "	708 8
463 8	238 43	Whitman Creek, water, 581; rail	603 6
462 2	239 34	Little Androscoggin River, water, 524 5; rail	553 5
418 8	241 67	West Paris station, Me.	483 3
419 0	246 65	South Paris, junction with Norway branch	292 8
427 1	250 52	Little Androscoggin River, water (July 31, 1878), 319 4; rail	375 4
433 5	256 49	Oxford station, Me.	332 3
442 1	259 79	P. and R. F. Railroad crossing	303 3
469 7	261 00	Little Androscoggin River, water, 270; rail	309 5
481 5	264 42	Mechanic Falls station, Me.	269 0
487 0	264 42	Worthley Brook, water, 259 4; rail	252 8
485 0	265 37	Empire Road station, Me.	270 3
497 8	267 56	Lewiston junction, Me., with Lewiston branch	246 8
495 7	269 78	Danville "	201 9
497 0	270 46	Royal River, water, 138 6; rail	184 1
496 7	274 63	New Gloucester station, Me.	117 2
496 8	278 84	Pownal "	143 7

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE EASTERN DIVISION	Elevation
281.59	Royal River, water (Aug. 8, 1878), 69; rail.....	100.4
281.99	North Yarmouth station, Me.....	100.5
285.15	Yarmouth junction, Me.....	89.0
286.01	" " station, ".....	94.6
288.41	Cumberland ".....	84.1
291.79	Falmouth ".....	50.1
295.57	Deering ".....	17.5
296.06	Portland and Rochester junction.....	12.2
297.25	Portland station, Me.....	13.4
Miles from South Paris	GRAND TRUNK RAILWAY—NORWAY BRANCH	
0.00	South Paris, junction with main line, Eastern Division, 250.65 miles from Montreal.....	390.8
1.50	Norway station.....	384.3
Miles from Lewiston Junction	GRAND TRUNK RAILWAY—LEWISTON DIVISION	
0.00	Lewiston junction, with main line, Eastern Div., 267.56 miles from Montreal.....	246.8
1.78	Littlefield station, Me.....	233.2
1.89	Little Androscoggin River, water (Aug. 5, 1878), 208.3; rail.....	251.8
5.14	Auburn station, Me.....	145.9
5.28	Androscoggin River, rail.....	141.3
5.47	Lewiston Canal, water, 123; rail.....	140.0
5.59	Lewiston station, Me.....	139.1
Miles from Montreal	GRAND TRUNK RAILWAY—QUÉBEC DIVISION	
76.46	Richmond, junction with main line, Eastern Div.....	389.7
83.28	St. Cyr station.....	481
86.96	Sprucehill bridge, water (Aug., 1878), 433; rail.....	449
88.49	Danville station.....	446
89.86	Southwest Br. Nicolet River, water (Aug. 30, 1878), 394; rail.....	391
92.42	Kingsay station.....	443
94.42	Little Trout Creek, water, 399; rail.....	422
99.71	River des Rosiers, water, 439; rail.....	475
100.44	Warwick station.....	480
107.71	East Br. Nicolet River, water, 389; rail.....	419
108.41	Arthabaska, junction with Three Rivers branch.....	429
114.30	River du Loup, water, 475; rail.....	494
117.21	Standford station.....	525
122.89	Brook, water, 432; rail.....	442
123.21	Sametset station.....	411
125.84	Brook, water, 423; rail.....	442
131.36	St. Julie station.....	475
135.67	Becancour River, water, 425; rail.....	446
135.97	Lyster, junction with L'etablissement and Megantic Ry.....	446
138.93	Chevreux River, rail.....	455
140.25	River Henri, water, 433; rail.....	444
140.59	Hall siding.....	449
143.20	River du Chêne, water, (Aug. 30, 1878), 420; rail.....	432
143.81	Methods Mills station.....	444
152.17	St. Agapit.....	406
152.86	Brook, water, 384; rail.....	396
157.69	Craig Road station.....	335
163.75	Chaudière, junction with Intercolonial Railway (D. C. Ry.).....	255
164.05	Chaudière River, water (Sept. 4, 1878), 176; rail.....	234
164.24	Chaudière junction, with Intercolonial Ry.....	234
164.94	Chaudière Curve station.....	233
167.76	New Liverpool siding.....	115
168.63	Etehenin River, water (Sept. 5, 1878), 19; rail.....	95
168.83	Fitch siding.....	59
170.58	Hallow station.....	18
172.00	Point Lévis, junction with Intercolonial Ry.....	16

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Miles from Brossseau GRAND TRUNK RAILWAY—MASSENA SPRINGS BRANCH Elevation

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0 00	Brossseau, junction with Rouse Point branch.	56
1 00	St. Lambert River, water 41; rail	50
2 30	Laprairie station	57
6 24	River Tortue, bed 68; rail	87
6 73	Canadian Pacific Ry., "Short Line," crossing	93
7 59	River St. Pierre, bed 89; rail	95
7 64	St. Constant station	95
10 41	Brook, water 110; rail	123
11 38	St. Isidore junction, with Hemmingford branch.	129
12 06	St. Regis River, bed 129; rail	135
13 62	" " " " 147; rail	153
15 29	St. Isidore station	174
18 41	Ste. Philomene station	140
20 16	Sturgeon River, bed 98; rail	125
21 06	Ste. Martine junction, with Beauharnois branch	128
23 49	Beau River, bed, 113; rail	129
24 84	English River, high water, 113; low water, 106; rail	130
28 86	Howick station	130
27 80	Canada Atlantic Ry. crossing	133
31 66	Bryson station	135
31 80	Chateauguay River, high water, 117; low water, 110; rail	135
35 32	Onestown station	145
40 16	Dewittville "	158
41 74	Huntingdon "	165
41 88	New York Central R.R., Adirondack Div., crossing	167
50 38	Carris station	185
52 44	Whites "	181
55 29	Ste. Agnes station	195
61 55	International Boundary	171
62 20	Fort Covington station, N.Y.	166
62 50	Salmon River, water, 131; rail	166
67 70	Bombay junction, N.Y.	187
75 29	Helena station	202
83 29	Massequa Springs station, N.Y.	215

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Miles from St. Isidore Junction GRAND TRUNK RAILWAY—HEMMINGFORD BRANCH

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0 00	St. Isidore junction, with Massequa Springs branch, 11 38 miles from Brossseau	129
3 62	Cote Ste Therese station	154
6 49	St. Henri "	196
10 69	St. Michel "	188
11 82	Sherrington "	184
16 29	Canada Atlantic Ry. crossing	190
16 80	Barrington station	176
21 29	Hemmingford "	224
26 72	Moore's, junction with Delaware and Hudson R.R.	208

Miles from St. Lambert GRAND TRUNK RAILWAY—ROUSE POINT BRANCH

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0 00	St. Lambert, junction with main line, Eastern Div., 632 miles from Montreal	74 4
5 68	Brossseau, junction with Massequa Springs branch	56
8 88	St. Lambert River, water 39; rail	53
13 10	Little Montreal River, water 83; rail	118
13 86	L. Acadie station	118
19 72	Canadian Pacific Railway, "Short line, crossing	115
20 48	St. Johns station	122
29 00	Richelieu River, low water, 93 57; high water	100
27 14	Grande Ligne station	114
29 58	Girard (formerly St. Nicholas) station	143
30 79	Summit, ground, 105; rail	153
33 20	Stottsville station	162
37 38	Lacelle River, water, 105 7; rail	151
37 46	Lacelle station	133
37 90	Canada Atlantic Railway crossing	133
40 58	Musson Creek, water, 104 2; rail	131
41 78	International Boundary	117
43 02	Junction with Ogdenburg and L. Champlain R.R.	113
43 68	Rouse Point, Delaware and Hudson Railroad station	125
	Lake Champlain, extreme low water, (Oct. 12, 1880), 93 21; extreme high water, (May 4, 1863), 102 70; ordinary high water, 101 30; mean water, (1871 to 1880)	

Miles from J. C. Union Switch	GRAND TRUNK RAILWAY—JACQUES CARTIER UNION BR.	Elevation
0 00	Jacques Cartier Union switch	130
2 80	Summit	158
3 56	Côte de Liesse station	139
4 47	St. Laurent "	134
6 54	Jacques Cartier junction, with Canadian Pacific Railway	96
GRAND TRUNK RAILWAY—BEAUHARNOIS BRANCH		
Miles from Ste. Martine		
0 00	Ste. Martine, junction with Massena Springs branch, 21.66 miles from Brosseau	128
0 35	Chateauguay River, bed, 96; rail	126
1 25	Marais River, bed, 98; rail	124
6 25	Beauharnois station	130
GRAND TRUNK RAILWAY—BELLEVILLE AND MIDLAND		
Miles from Belleville		
0 00	Belleville wharf, main water, L. Ontario (1871-1899), 245.02; rail	250
0 47	" City station	251
2 26	" junction, with main line, Montreal to Chicago, 229.21 miles from Montreal	295
4 92	Corbyville station	353
8 50	Moirs River, water, 332; rail	347
8 63	Foxboro station	348
12 74	Halloway "	466
14 51	Madoc junction, with Madoc branch	502 5
16 13	Rawdon Creek, water, 423; bed, 417; rail	428
19 70	Stirling station	465
21 87	Central Ontario Railway crossing	385
25 61	Hoard station	381
32 60	Trent River, high water, 466; low water, 461; bed, 458; rail	492
33 62	Campbellford station	496
43 26	Hastings "	618
44 06	Trent River, water, 609; rail	631
48 60	Ouse River, water, 613; bed, 610; rail	623
49 10	Birdsall station	647
51 60	Blizard "	712
52 80	Summit, ground, 762; rail	754
52 87	Keene Summit siding	752
55 93	Keene station	635
56 02	Indian River, water, 629; bed, 627; rail	636
59 26	Drummond station	694
63 54	Lakefield junction	654
64 15	Otonabee River, water, navigation level, 629.4; rail	635
65 14	Canadian Pacific Railway, main line, O. & Q. Div. crossing	638
65 26	Peterborough, junction with Lakefield branch and Port Hope and Peterborough Div	649
65 83	Lakefield switch	656
71 60	Stream, bed, 797; rail	836
71 75	Bests station	886
73 32	Summit	936
74 53	Stream, bed, 817; rail	893
78 67	Pigeon Creek, water (Aug. 12, 1899), 867; rail	825
79 67	Onnesee, junction with line to Millbrook, "Old Road"	857
83 30	Reaboro station	857
87 88	Seugog River, water (Aug. 14, 1899), 821; bed, 813.5; rail	859
88 44	Lindsay, junction with Whitby and Lindsay Div.	854
89 86	Victoria junction, with Haliburton branch	892
94 63	Cambray station	871
99 95	Grass Hill "	949
100 76	Summit	998
103 87	Lorneville, junction with Scarborough and Cobcoonk Div.	892
104 08	Scarborough and Cobcoonk line crossing	890
111 41	Beaverton station	761
112 02	Stream, water, 728; rail	751
114 25	Talbot River, water, 720; bed, 718; rail	728
115 88	Gamebridge station	801
119 30	Brechin "	745
122 47	Schepele "	730
126 74	Uptergrove "	736

ALTITUDES IN CANADA

Miles from Belleville	GRAND TRUNK RAILWAY—BELLEVILLE AND MIDLAND	Elevation
129-21	Atherly, junction with Toronto and North Bay Div.	727
129-42	Narrows between Lakes Simcoe and Couchiching, water (April, 1891), 720; low water (Oct. 17, 1900), 717-9; rail.	726-5
131-34	Orillia junction.	732
131-78	Orillia, old Midland Ky. station.	724
134-51	Summit.	776
135-33	Silver Creek station.	744
139-25	Lithoff "	637
142-14	Foxmead "	677
143-67	Tait "	640
146-65	Coldwater River, water, 584; bed, 581; rail.	589
146-90	Coldwater station.	588
149-07	Esserton "	589
151-11	Waubaushene "	593
153-41	Sturgeon Bay "	590
156-85	Victoria Harbour station.	595
161-36	Old Fort "	599
163-96	Midland "	593
	Lake Huron, mean water (1871-1899).	579-50
Miles from Lindsay	GRAND TRUNK RAILWAY—HALIBURTON BRANCH	
0-00	Lindsay, junction with Whitby and Lindsay and Belleville and Midland Divs.	854
1-42	Victoria junction.	862
4-50	McLaren Creek, high water, 816; bed, 815; rail.	821
7-29	Cameron station.	897
11-05	Halls "	855
14-00	Fenelon Falls station.	846
14-42	Trent Valley Canal, water (Aug. 15, 1899), 836-9; rail.	851
19-10	Fells station.	854
21-81	Burnt River, water (Aug. 16, 1869), 840; bed, 821; rail.	861
24-64	Burnt River (formerly Retties) station.	868
30-78	Craigos Creek, water, 886; bed, 881; rail.	912
33-50	Kinnoumt station.	919
35-80	Irondale, Bancroft and Ottawa Railway junction.	935
35-91	West Branch Burnt River, water, 916; rail.	943
42-88	Gelett station.	1,032
43-00	Branch of Burnt River, water, 1,019; rail.	1,036
47-13	Ingersalls station.	1,082
49-19	Dysart "	1,067
51-00	Summit.	1,126
53-24	Goulds station.	1,081
55-75	Haliburton station.	1,050
Miles from Scarborough	GRAND TRUNK RAILWAY—SCARBOROUGH AND COBOCONK	
0-00	Scarborough, junction with main line, Montreal and Chicago, 324-02 miles from Montreal.	545
4-52	Canadian Pacific Ry., under crossing; Can. Pac. Ry., rail; G.T.Ry., rail.	544
4-85	Agincourt station.	567
7-73	Millikens "	650
8-39	Summit, rail.	665
10-72	Unionville station.	575
10-98	Rouge River, water, 551; bed, 547; rail.	575
13-45	Markhamville station.	640
15-86	Rouge River, water, 662; bed, 657; rail.	575
19-73	Stouffville, junction with Sutton branch.	892
25-34	Goodwood station.	1,162
28-17	Summit, rail.	1,152
32-04	Uxbridge station.	886
35-70	Marsh Hill "	863
39-96	Wick "	865
41-40	Beaver Creek, bed, 800; rail.	862
41-90	Blackwater, junction with line to Lindsay via Manilla Junction.	859
43-97	Sunderland station.	862
49-79	Cunnington "	856
53-84	Woodville "	906

Miles from Scarborough	GRAND TRUNK RAILWAY—SCARBOROUGH AND COBOCONK	Elevation
55.62	Lorneville, junction with Belleville and Midland Div.	890
57.71	Argyle station	870
61.80	Eldon "	880
65.27	Portage Road station	920
66.89	Kirkfield "	900
69.57	Victoria Road "	847
72.54	Corson siding	880
78.09	Coboconk station	855
	Balsam Lake, water	838
Miles from Stouffville	GRAND TRUNK RAILWAY—SUTTON BRANCH	
0.00	Stouffville, junction with Scarborough and Coboconk Div., 19.73 miles from Scarborough	802
3.76	Summit	1,121
5.89	Ballantyne station	1,108
8.57	Vivian "	990
12.68	Mount Albert "	795
16.26	Zephyr "	767
19.04	Brown Hill "	754
22.02	Baldwin "	743
25.22	Sutton "	758
26.91	Jackson Point "	726
26.91	Lake Simcoe, summer water	720
Miles from Port Hope	GRAND TRUNK RAILWAY—PORT HOPE AND PETERBOROUGH	
	Port Hope wharf, mean water, L. Ontario, (1871-1899), 245.02; rail	253
0.00	" junction, with main line, 270.31 miles from Montreal	286
0.50	" station	265
5.68	Quays	474
6.49	Ballast pit switch	531
8.43	Perrytown station	640
9.55	Garden Hill "	626
14.08	Carnel "	906
17.92	Millbrook, junction with line to Onondaga	768
21.95	Summit	680
23.27	Fraserville station	628
35.53	Canadian Pacific Ry., O. & Q. Div., crossing, 262.1 miles from Montreal	638
39.95	Peterborough, junction with Belleville and Midland Div. and Lakefield branch	648
Miles from Port Hope	GRAND TRUNK RAILWAY—MILLBROOK AND ONEMEE	
17.92	Millbrook, junction with Port Hope and Peterborough Div.	768
26.00	Summit, rail	879
21.73	Canadian, Pacific, Ry., under crossing, 275.5 miles from Montreal, Can. Pac. Ry., rail, 865; G. T. Ry., rail	836
22.67	Depression, rail	793
23.94	Summit, rail	873
24.48	Bethany station	862
26.67	Brunswick "	865
28.16	Franklin "	853
28.44	Summit, rail	865
32.08	Depression, rail	816
33.04	Onemee, junction with Belleville and Midland Div., 79.67 miles from Belleville	857
Miles from Whitby	GRAND TRUNK RAILWAY—WHITBY AND LINDSAY	
0.00	Whitby wharf, mean water Lake Ontario (1871-1899), 245.02; rail	251.0
0.88	" junction, with main line, Montreal to Chicago, 293.44 miles from Montreal	267.0
9.29	Whitby station	286.8
7.56	Brooklin "	538.3
11.39	Myrtle "	821.0
12.20	Canadian Pacific Ry., overhead crossing, Can. Pac. Ry., rail, 879; G. T. Ry., rail	894.7
14.37	Summit, rail	1,029.2

Miles from Whitby	GRAND TRUNK RAILWAY—WHITBY AND LINDSAY	Elevation
14 41	High Point station	1,028 0
16 21	Manchester "	355 5
18 53	Princes Albert "	891 3
19 96	Port Perry "	828 8
20 00	Lake Scugog, water (Dec. 1891)	829 3
27 39	Seagrave station	839 0
27 48	Nompton River, water, 821; rail	831 4
29 22	Sonya station	900 7
33 06	Cresswell station	977 3
33 23	Summit, rail	984 9
33 71	Manilla junction	963 8
36 80	Brook, bed, 868; rail	880 3
38 65	Marijosa station	866 5
42 58	Ops "	883 2
46 30	Lindsay, junction with Belleville and Midland Div.	854
	GRAND TRUNK RAILWAY—LAKEFIELD BRANCH	
Miles from Peterborough		
0 00	Peterborough, junction with Belleville and Midland Div., 65 36 miles from Belleville	648
1 50	Auburn Mills "	678
3 40	Nassau Mills "	708
9 24	Lakefield	770
9 46	Lakefield wharf	770
	Kitchiwannoo Lake, water (Oct. 30, 1865)	796
Miles from Peterborough	GRAND TRUNK RAILWAY—CHEMONG BRANCH (disused)	
0 00	Peterborough station	648
0 27	Lakefield switch	655
4 60	Summit, ground, 925; rail	916
9 21	Chemong station	816
9 27	Chemong Lake, water	866
Miles from Belleville	GRAND TRUNK RAILWAY—MADOC BRANCH	
14 51	Madoc junction, with Belleville and Midland Div.	592 5
20 00	Rawdon Creek, bed	465
23 00	"	548
23 08	Canadian Pacific Railway, under crossing, Can. Pac. Ry., rail 587; G. T. Ry., rail	562
23 33	Crookston station, nearly	563
24 00	White Lake, water	563
26 00	Summit, granite ridge	570
27 50	Moira Lake, water	519
29 46	Madoc station	575
30 80	Road crossing	596
32 40	Stream, bed 645; rail	674
33 40	Seymour mine	749
34 90	Summit, rail	815
35 50	Road bridge, under crossing, rail	806
36 20	Eldorado, junction with Central Ontario Ry	773
Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	
0 0	Toronto, foot of Scott Street	256
	" Union station	254
2 3	North Parkdale "	391
4 7	Davenport	422
6 2	Fairbank, junction with Yonge St. Loop	511
7 5	Downsview station	573
11 5	Elia "	673
14 0	Thornhill "	635
18 0	Richmond Hill station	817
18 5	Long siding	846
21 3	Summit, ground 1,006; rail	1001
22 4	King station	957
26 3	Summit, ground, 1,022; rail	1,002

Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	Elevation
27.2	Chesley station	980
29.7	Aurora	886
34.0	Newmarket station	772
37.6	Holland Landing station	743
40.7	Holland River, bed 706; rail	725
41.2	Bradford station	728
44.0	Scanlon "	742
48.7	Gilford "	752
51.6	Lefroy "	770
56.5	Bradley "	887
57.2	Craigdale "	880
62.7	Allandale, junction with Meaford branch and Hamilton and Allandale Div.	737
64.0	Barrie station	726
69.5	Gowan "	819
70.7	Summit, ground, 842; rail	839
74.1	Oro station	790
77.7	Hawkestone station	781
80.2	Carthew "	814
80.6	Summit, ground, 826; rail	820
85.7	Oreilia, old Northern Ry. station	725
86.0	Oreilia junction	792
88.1	Narrows between Lakes Simcoe and Couchiching (flood May, 1871), 727; low water, (Oct. 17, 1900), 717.9; rail	726.5
88.2	Atherly, junction with Belleville and Midland Div.	727
91.8	Rama station	734
93.4	Longford "	735
94.5	Summit, rail	765
97.6	Seyvern River, East Br., water (Oct. 17, 1900), 717.9; bed, 706; rail	728
98.5	Washago station	728
99.1	Seyvern River, West Br., water (Oct. 17, 1900), 717.9; rail	731
100.1	Seyvern station	730
100.3	Seyvern River, water, 637; rail	724
104.0	Kashadogungung River, water, 710; rail	719
105.9	Kilworthy station	755
109.4	Summit	851
111.4	Gravenhurst station	818
112.4	Muskoka Wharf station	749
	Muskoka Lake, water (Aug. 21, 1930)	745
117.8	Summit, ground, 3,450 ft. south, 916; rail	910
120.5	South Branch Muskoka River, water, 745; bed, 730; rail	806
121.3	North " " 778 " 776 "	821
121.6	Brace-bridge station	817
126.3	Falkenburg "	957
128.0	Summit, ground 1,069; rail	1,058
131.8	Depression, ground 983; rail	998
135.1	Utterson station	1,911
135.8	Summit, ground 1,971; rail	1,957
138.4	Allonsville, road crossing	970
139.9	Casswell Lake, water, 1,001; rail	1,011
141.0	Summit, ground, 500 ft. north, 1,059; rail	1,049
145.9	Huntsville station	957
146.1	Vernon Lake, water	936
146.5	Vernon River, water, 936; rail	972
147.8	Summit, ground, 1,012; rail	1,001
150.2	East River, water, 938; rail	961
155.4	Novar station	1,075
156.3	Little East River, water, 1,066; rail	1,077
159.3	Summit, ground, 1,151; rail	1,138
161.0	Scotia, junction with Canada Atlantic Railway	1,088
162.9	Embsdale station	1,042
165.7	Meganetawan River, 1st crossing, water, 969; rail	987
166.6	Katrine station	986
169.1	Meganetawan River, 2nd crossing, water, 967; rail	981
170.4	" " 3rd " " 956 "	973
170.9	Burks Falls station	974
175.6	Summit, ground, 1,160; rail	1,139
178.2	Stony Brook, water, 1,085; rail	1,091
178.4	Stony Lake, water	1,085

Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	Elevation
182.6	Sundridge station	1,102
185.2	Summit, ground, 1,195; rail	1,188
188.4	South River station	1,161
188.6	South River, water, 1,147; bed, 1,131; rail	1,158
191.1	Beacon Lake Brook, water, 1,190; rail	1,197
192.9	Gravel-pit siding	1,197
193.6	Ravine, bed, 1,985; rail	1,177
197.2	Towner siding	1,035
199.1	Beaver Brook, water, 1,018; rail	1,027
199.6	Trout Creek station	1,034
209.7	Summit	1,044
203.6	Barrett, road crossing	976
207.1	Powassan station	857
207.4	McGuiness Brook, water, 826; rail	857
211.2	Summit, ground, 907; rail	890
213.1	Road crossing, Chisholm and Ferris town line	784
216.3	Wislawing Brook, water, 791; rail	745
216	Noshousing crossing, junction with Nipissing and Noshousing Ry.	745
219.1	Candler station	671
222.2	La Vase River, water, 665; rail	675
222.8	Nipissing junction, with main line Can. Pac. Ry. 359.1 miles from Montreal	677
Miles from Allandale	GRAND TRUNK RAILWAY—MEAFORD BRANCH	
0.0	Allandale, junction with Toronto and North Bay Div., 62.7 miles from Toronto	737
5.5	Colwell, junction with Penetanguishene branch	747
8.9	Utopia station	693
9.6	Nottawasaga River, bed, 581; rail	630
10.3	Angus station	627
13.3	Brentwood station	646
15.5	Coats Brook, bed, 648; rail	640
15.5	New Lowell station	687
16.8	Sunnidale "	724
22.8	Stayner "	716
28.0	Batteaux Brook, bed, 669; rail	690
28.1	Batteaux station	684
31.4	Collingwood "	587
32.1	Lake junction, with Collingwood branch	590
37.0	Craigleith station	598
41.0	Fields "	610
41.6	Beaver River, water, 584; rail	611
43.8	Thornbury station	612
49.5	Summit, ground, 758; rail	733
51.8	Meaford station	672
	Lake Huron, mean level (1871-1899)	579.90
Miles from Colwell	GRAND TRUNK RAILWAY—PENETANGUISHENE BRANCH	
0.0	Colwell, junction with Meaford branch	747
3.3	Veepra station	720
6.9	Bird "	619
7.8	Minessing "	619
9.2	Summit	758
11.3	Hendrie station	728
13.7	Philpston "	724
18.5	Elmvale "	698
20.5	Saurin "	701
22.3	Dyments "	712
23.8	Wyevale "	772
28.0	Perkinsfield " (summit)	790
33.3	Penetanguishene station	589

Miles from Port Dover	GRAND TRUNK RAILWAY—HAMILTON AND PORT DOVER BRANCH	Elevation
	Lake Erie, mean level (1871-1899)	571.59
0 0	Port Dover, H. & N. W. Ry. station.	590
7 1	Nanticoke Creek, bed, 675; rail	698
9 0	Jarvis, junction with 'Loop Line'	699
11 5	Garnet station	698
14 5	Michigan Central R. R., main line, crossing	727
14 5	Hagersville station	759
16 2	Ballsville	692
18 4	Boston Creek, bed, 644; rail	666
20 8	Mackenzie Creek, bed, 629; rail	641
23 1	Grand River, water, 616; bed, 613; rail	652
24 0	Caledonia station	652
25 6	Black Creek, bed, 634; rail	658
27 9	Chippewa Creek, bed, 673; rail	685
29 0	Glanford station	724
29 6	Summit	739
31 3	Twenty-mile Creek, bed, 682; rail	696
31 5	Rymal station	644
35 0	Brow of Niagara escarpment, ground, 639; rail	644
40 0	Toronto, Hamilton & Buffalo Ry. crossing, rail	336
40 20	Hamilton, King St. station	30
	" Stuart St. junction with main line, Niagara Falls and Windsor	253

Miles from Hamilton	GRAND TRUNK RAILWAY—HAMILTON AND ALLAN DALE	Elevation
0 00	Hamilton, King St. station	306
1 61	" Wentworth St.	267
4 28	Gages station	264
5 78	Beach Road station	255
6 49	Dynes "	256
7 56	Elsinore "	257
8 26	Ocean House "	256
8 50	Burlington Canal, mean water (L. Ontario), 245.02; rail	261
8 66	Hargrove station	258
9 12	Gilson Landing "	254
9 83	Brant House "	268
10 17	Burlington "	281
11 33	Burlington junction, with Toronto and Hamilton Div.	328
16 85	Tansley (formerly St. Ann) station	516
17 34	Twelve-mile Creek, water, 434; bed, 428; rail	523
18 75	Ash (formerly Zimmerman) station	573
25 13	Milton station	661
25 41	Canadian Pacific Ry., O. & Q. Div., crossing	661
28 13	Mansewood station	732
28 33	Brook, bed, 712; rail	746
33 79	Stewarton station	873
33 85	Credit mill-pond, water, 822; rail	873
36 14	Georgetown junction, with main line, Montreal and Chicago, 362.86 miles from Montreal	872
36 71	Georgetown station	846
39 40	Glen Williams "	913
42 03	Terra Cotta "	896
44 72	Cheltenham "	922
47 46	Inglewood, junction with Orangeville branch, Can. Pac. Ry	896
48 20	Credit River, water, 882; bed, 880; rail	893
52 15	Cardwell, junction with Owen Sound branch, Can. Pac. Ry	950
52 90	Summit, ground, 968; rail	965
53 77	Caledon East station	946
56 78	Centreville "	927
59 70	Humber River, bed, 868; rail	917
60 00	Palgrave station	931
60 98	Summit, ground 1,000 south, 975; rail	969
66 04	Tottenham station	854
67 28	Hannell Creek, bed, 758; rail	797
70 73	Beeton station	754
72 38	Beeton junction, with Collingwood branch	716

Miles from Hamilton	GRAND TRUNK RAILWAY—HAMILTON AND ALLANDALE	Elevation
73.78	Nottawasaga River, bed, 680; rail	705
79.61	Cookstown station	759
85.50	Thornton "	943
87.00	Summit "	996
90.43	Vine station	924
93.90	Innisfil "	819
95.41	Allandale, junction with Meaford branch and Toronto and North Bay Div.	737
Miles from Benton	GRAND TRUNK RAILWAY—COLLINGWOOD BRANCH	
0.00	Benton, junction with Hamilton and Allandale Div.	716
2.10	Thompsonville station	723
2.30	Nottawasaga River, water, 700; bed, 690; rail	719
1.90	Alliston station	725
9.50	Everett "	795
12.10	Pine River, water, 720; bed, 708; rail	754
12.20	Tioga station	754
15.40	Lisle "	743
18.00	Glenairn "	738
21.20	Avening "	779
23.40	Cresmore "	850
27.70	Glen Huron station	1,034
28.20	Summit, ground, 1,056; rail	1,052
31.50	Duntroon station	938
36.20	Nottawa "	797
39.20	Lake junction, with Meaford branch	590
	Collingwood, old H. & N. W. Ry. station	562
39.80	" station	587
	Lake Huron, mean level (1871-1899)	579.90
Miles from Union station	GRAND TRUNK RAILWAY—BELT LINE	
	<i>Yonge Street Loop (disused)</i>	
0.00	Toronto, Union station	254
2.05	Queen St. East "	263
2.90	Winchester Street "	269
3.75	Don Valley "	262
4.25	Rosedale "	268
5.27	Moore Park "	451
6.03	Yonge St., North "	505
6.50	Upper Canada College station	510
7.45	Eglinton Avenue "	537
7.93	Forest Hill "	577
9.16	Fairbank "	580
10.10	Fairbank junction "	511
Miles from Carlton	<i>Humber Loop (disused)</i>	
0.00	Carlton station	405
0.70	Sydney "	383
1.67	Lambton "	399
1.78	Canadian Pacific Ry. crossing	569
3.13	Bloor St. West station	522
4.37	Swainsa "	554
Miles from Suspension Bridge, N. Y.	GRAND TRUNK RAILWAY—MAIN LINE—NIAGARA FALLS AND WINDSOR	
0.00	Suspension Bridge station, N. Y.	573
0.20	Niagara River, water, 342; ground, east side of cañon, 549, west side of cañon, 352; rail	573
0.37	Niagara Falls station	573
3.01	St. Davids "	609
5.21	St. Davids valley, ground, 480; rail	517
7.70	Welland Canal tunnel, rail east end, 449; west end	447

Miles from Suspension Bridge, N. Y.	GRAND TRUNK RAILWAY—MAIN LINE—NIAGARA FALLS AND WINDSOR	Elevation
9 72	Merriton, junction with Welland branch.....	289
9 99	Welland Canal trestle, bed, 371; rail.....	289
11 29	St. Catharines viaduct, bed, 283; rail.....	347
11 29	St. Catharines station.....	347
14 76	Fifteen-mile Creek, water, 245; rail.....	305
15 84	Sixteen-mile Creek, water, 245; rail.....	299
17 42	Jordan station.....	309
17 50	Twenty-mile Creek, water, 245; rail.....	309
23 22	Beamsville station.....	297
25 75	Grimsby Park ".....	302
27 39	Grimsby ".....	287
32 23	Wimona ".....	285
37 33	Stoney Creek ".....	274
40 27	Gages ".....	279
40 78	Race-course siding.....	270
43 89	Hamilton, Stuart St. junction with the Toronto—Hamilton, Hamilton—Port Dover and Hamilton—Alandale Divs.....	253
45 27	Desjardins Canal, water, 246; rail.....	288
45 89	Junction cut.....	318
49 96	Cutting, ground, 555; rail.....	303
50 08	Spencer Creek, bed, 406; rail.....	307
50 18	Dundas station.....	316
52 26	Flamborough station (old).....	615
54 20	Summit of drift hills, ground, 773; rail.....	735
55 10	Copetown station.....	755
55 32	Elliott pond, water, 741; rail.....	754
59 49	Lynden station.....	751
62 49	Brook, bed, 690; rail.....	727
62 73	Harrisburg, junction with Tilsburg and Southampton branches, ground, 749; rail.....	723
64 51	Fairchld Creek (St. George viaduct), bed, 669; rail.....	725
64 62	St. George station.....	725
67 00	Dundries ".....	810
68 08	Summit ".....	829
70 00	Grand River, bed, 743; rail.....	803
72 50	Paris, junction with Buffalo and Goderich Div.....	843
75 60	Nith Creek, bed, 798; rail.....	855
79 55	Princeton station.....	954
80 41	Hornor Creek, bed, 878; rail.....	916
81 77	Gables station.....	952
84 28	Governors Road siding.....	967
86 81	Eastwood station.....	973
88 35	Summit, ground, 1,022; rail.....	1,007
91 27	Woodstock, junction with Stratford and Port Dover branch.....	958
92 46	Canadian Pacific Ry., Ingersoll branch, crossing.....	929
92 80	Thames River, bed, 909; rail.....	924
96 16	Beachville station.....	907
100 71	Ingersoll ".....	879
109 75	Thames River, at Ingersoll, water.....	869
104 86	Patterson siding.....	888
110 15	Dorchester station.....	852
113 19	Waukena ".....	867
118 52	London East ".....	850
119 80	London, junction with London and St. Marys branch and Lake Erie and De- troit River Ry.....	805
120 26	North branch Thames River, bed, 753; rail.....	796
121 27	Cove of Thames River, 748; rail.....	783
123 96	Hyde Park, junction with London and Wingham branch.....	883
127 16	Lobo Town-line station.....	800
129 79	Komoka junction, with Komoka and Sarnia Div.....	808
134 54	Mount Bredges station.....	821
140 59	Longwood ".....	747
143 01	Michigan Central R. R., St. Clair Div. crossing.....	742
145 59	Appin station.....	740
150 18	Glencoe, junction with "Loop Line" and Kingscourt branch.....	728
153 12	Pratt siding.....	716
156 28	Newbury station.....	701
161 61	Bothwell ".....	688
169 07	Thamesville ".....	621
170 07	Thames River, bed, 587; rail.....	621

Miles from Suspension Bridge, N.Y.	GRAND TRUNK RAILWAY—MAIN LINE NIAGARA FALLS AND WINDSOR	Elevation
175.08	Lewisville station	613
178.00	Vosburg "	608
183.27	Chatham junction, with Lake Erie and Detroit River Ry.	599
184.14	Chatham station	598
188.26	Canadian Pacific Ry., O. & Q. Div., main line, crossing	590
192.10	Prairie siding	582
197.66	Jeanette Creek station	580
203.72	Stony Point "	584
207.19	St. Clair "	583
212.53	Belle River	586
212.88	" bed, 566; rail	586
216.52	Pace station	586
219.80	Pike Creek station	588
221.82	Tecumseh	580
228.18	Walkerville, junction with Lake Erie and Detroit River Railway	588
229.72	Windsor station	579.4
229.81	Detroit River at Windsor, high water, 576.94; low water, 572.76; mean level	574.25
Miles from Fort Erie	GRAND TRUNK RAILWAY—"LOOP LINE"	
0.00	Fort Erie station	605
2.15	Michigan Central R.R., Erie and Niagara Div., crossing	605
7.33	Stevensville station	585
13.89	Brookfield "	593
16.63	Welland junction, with Welland branch	577
17.12	Welland Canal, water (mean level L. Erie), 571.6; rail	582
19.40	Welland Canal Feeder, water, 571; rail	585
20.28	Feeder siding	584
22.42	Forks Creek, bed, 558; rail	574
24.26	Marsville station	580
27.38	Overholt "	584
31.88	Moulton "	587
33.78	Dilz "	586
37.29	Mud Creek, bed, 584; rail	597
39.93	Darling Road station	603
41.81	Centfild, junction with Buffalo and Goderich Div., 46.29 miles from Black Rock	616
48.06	Cayuga station	619
48.43	Grand River, high water, 585; water, 578; bed, 569; rail	614
51.13	Decewville station	685
53.43	Nelles Corners station	713
59.00	Sandsk Creek, bed, 600; rail	680
61.70	Jarvis, old station	694
62.40	" junction with Hamilton and Port Dover branch	699
65.35	Black Creek, high water, 648; water, 644; bed, 643; rail	680
67.72	Renton station	709
72.28	Simcoe "	718
72.48	Davis Creek, high water, 597; water, 595; bed, 592; rail	718
73.38	Loop Line junction, with Stratford and Port Dover branch	711
76.84	Nixon station	772
82.02	Delhi "	761
82.37	Big Creek, high water, 684; water, 678; bed, 676; rail	761
88.88	Courtland station	774
93.33	Tilsenburg "	757
93.79	Oton Creek, high water, 692; water, 683; bed, 680; rail	760
95.09	Tilsenburg junction, with Tilsenburg branch	769
95.47	Summit, ground 290 ft. west, 820; rail	810
99.39	Corinth station	768
107.48	Aylmer "	761
112.13	Catfish Creek, bed, 692; rail	759
112.59	New Sarum station	759
114.18	Michigan Central R. R., main line, crossing	765
116.74	Canadian Pacific Ry., Ingersoll branch, crossing	783
118.01	Lake Erie & Detroit River Ry. crossing	752
118.05	St. Thomas station	752
118.50	Kettle Creek, water, 676; bed, 666; rail	746
122.68	Payne station	747
122.95	Dodds Creek, bed, 720; rail	744
123.48	Michigan Central R.R., St. Clair Div., crossing	742
126.62	Raind station	753
130.27	Lawrence "	740

Miles from Fort Erie	GRAND TRUNK RAILWAY—'LOOP LINE'	Elevation
132 05	Brook, bed, 672; rail	713
133 41	Thames River, highest flood, 661; water, 644; bed, 629; rail	699
132 56	Thames River station	717
134 49	Middlemiss "	709
136 90	Gentlemen Creek, high water, 647; water, 642; bed, 641; rail	707
140 26	Ekfrid station	709
142 79	Brook, high water, 704; bed, 700; rail	712
145 71	Glencoe, junction with main line, Niagara Falls and Windsor, 150 18 miles from Suspension Bridge	728
	GRAND TRUNK RAILWAY—KINGSCOURT BRANCH	
Miles from Glencoe		
0 00	Glencoe, junction with main line, Niagara Falls and Windsor and 'Loop Line	728
2 60	Canadian Pacific Ry., O. & Q. Div., main line, crossing	718
6 15	Ferguson crossing	697
7 13	Bear Creek, high water, 640; water, 635; bed, 632; rail	690
10 59	Michigan Central R.R., St. Clair Div., overhead crossing, M. C. R.R., rail, 741; G. T. Ry., rail	734
10 85	Alvinston station	729
18 00	Lawrence "	734
21 01	Kingscourt, junction with Komoka and Sarnia line, 27 58 miles from Komoka	709
	GRAND TRUNK RAILWAY—TORONTO AND HAMILTON	
Miles from Hamilton		
0 00	Hamilton, Stuart St., junction with main line, Niagara Falls and Windsor	253
4 28	Waterdown station	341
7 65	Burlington junction, with Hamilton and Allandale Div.	328
13 18	Two-Ive-mile Creek, water, 276; bed, 274; rail	343
13 45	Bronte station	344
17 35	Brook, water, 252; bed, 251; rail	330
17 69	Oakville station	329
22 94	Clarkson "	322
24 01	Lorne Park "	308
25 73	Credit River, water, 246; rail	265
25 96	Port Credit station	296
28 08	Rifle Rangos "	290
29 20	Etobicoke River, water, 253; rail	288
30 63	Long Branch station	310
31 52	New Toronto "	316
32 41	Mimico "	300
33 09	Mimico River, water 246; rail	283
33 15	Humber Grove station	282
33 86	Humber station	264
34 00	Humber River, water 246; rail	262
34 32	Swansea station	254
35 11	High Park "	255
36 23	Toronto, South Parkdale station	285
36 64	" Dufferin St. "	292
38 83	" Union station "	254
	GRAND TRUNK RAILWAY—KOMOKA AND SARNTA	
Miles from Komoka		
0 00	Komoka, junction with main line, Niagara Falls and Windsor, 129 79 miles from Suspension Bridge	808
2 38	Canadian Pacific Ry., O. & Q. Div., main line, crossing	795
10 10	Strathroy station	744
10 69	Sydenham River, water 729; bed 721; rail	739
16 32	Kerwood station	708
20 00	Summit, ground, 816; rail	813
22 41	Brown Creek, water 761; bed 757; rail	792
23 33	Watford station	790
27 58	Kingscourt, junction with Kingscourt branch	783
29 90	Bear Creek, water 690; bed 657; rail	709
30 50	Brook, water 679; bed 676; rail	682
31 64	Wanstead station	692
35 35	Wyoming "	700
36 39	Petrolia junction, with Petrolia branch	709
41 23	Mandamain station	716
44 92	Perch Creek, water 696; bed 599; rail	645
50 82	Sarnia station	620
		587

Miles from Petrolia Junction	GRAND TRUNK RAILWAY—PETROLIA BRANCH	Elevation
0 00	Petrolia junction, with Sarnia branch	716
3 03	Twelfth Line station	676
4 68	Petrolia "	667
Miles from Harrisburg	GRAND TRUNK RAILWAY—SOUTHAMPTON BRANCH	
0 00	Harrisburg, junction with main line, Niagara Falls and Windsor, 62 73 miles from Suspension Bridge	733
6 08	Branchton station	895
11 72	Galt, junction with Galt and Elmira branch	875
15 79	Preston station	925
17 72	Ballast Hill cutting, ground 964; rail	937
18 84	Speed River, water 935; bed 939; rail	948
19 14	Hospler station	943
24 06	Gourock "	1,059
26 76	Guelph junction, with main line, Montreal and Chicago, 382 55 miles from Mon- treal	1,074 7
30 96	Marden station	1,140
33 71	Hurst Creek, water 1,147; bed 1,145; rail	1,172
38 08	Swan Creek " 1,169; " 1,166; "	1,192
40 29	Elora station	1,292
42 03	Grand River, water (April 18, 1876), 1,250; (July 29, 1868), 1,242; bed 1,235; rail	1,291
42 91	Fergus station	1,336
43 29	Canadian Pacific Ry., Elora branch, crossing	1,363
46 30	Irvine River, bed 1,321; rail	1,364
49 10	Alma station	1,438
52 27	Summit, ground 1,326; rail	1,524
54 56	Goldstone station	1,436
57 98	Conestoga Creek, water 1,399; bed 1,308; rail	1,430
58 15	Drayton station	1,336
62 28	Moorfield "	1,349
63 04	Conestoga Creek, bed 1,329; rail	1,339
69 33	Palmerston station	1,313
74 97	Harriston "	1,256
75 39	Maitland River, water, 1,244; bed 1,249; rail	1,252
75 51	Canadian Pacific Ry., Teeswater branch, crossing	1,248
79 19	Fulton station	1,229
81 77	Clifford "	1,228
87 05	Otter Creek, water 1,087; rail	1,095
90 57	Midway station	1,028
92 00	Harrington "	1,060
96 39	Walkerton "	931
97 07	Silver Creek, water 917; bed 916; rail	933
101 27	Dunkeld station	954
103 89	Cargill "	874
105 13	Pinkerton "	859
111 46	Paisley "	773
111 86	Teeswater River, water 799; bed 796; rail	770
112 25	Willow Creek, water 727; bed 725; rail	774
118 77	Turner station	744
123 46	Mill Creek, water 654; bed 643; rail	691
124 36	Port Elgin station	673
128 38	Southampton "	614
	Lake Huron, mean water (1871-1889)	579 90
Miles from Palmerston	GRAND TRUNK RAILWAY—KINCARDINE BRANCH	
0 00	Palmerston, junction with Southampton branch	1,313
2 88	South branch Maitland River, water, 1,296; bed, 1,294; rail	1,278
5 71	Conantown station	1,282
8 83	Listowel "	1,262
11 70	Middle Br., Maitland River, bed, 1,227; rail	1,241
14 89	Atwood station	1,263
18 85	Henfryn "	1,165
21 87	Ebel "	1,174
21 99	Middle Br., Maitland River, bed, 1,133; rail	1,106
27 43	Brussels station	1,121
29 98	Gravel bed, ground, 1,142; rail	1,128
34 25	Bluevale station	1,078

Miles from Palmerston	GRAND TRUNK RAILWAY—KINCARDINE BRANCH	Elevation
34 80	Little Maitland River, high water, 1,044; water, 1,041; bed, 1,040; rail....	1,070
37 18	Wingham junction, with London and Wingham branches.....	1,078
38 44	Wingham station.....	1,044
38 57	Maitland River, high water, 1,012; water, 1,007; bed, 1,002; rail.....	1,042
43 80	Whitedchurch station.....	1,046
50 05	Lucknow ".....	908
50 37	Stream, water, 882; bed, 880; rail.....	806
56 88	Pine River, high water, 787; water, 781; bed, 779; rail.....	800
58 20	Ripley station.....	806
59 00	Stream, high water, 708; water, 706; bed, 700; rail.....	790
66 54	Kincardine station.....	589
	Lake Huron, mean water (1871-1899).....	579 90
Miles from Hyde Park	GRAND TRUNK RAILWAY—LONDON AND WINGHAM BRANCH	
0 00	Hyde Park, junction with main line, Niagara Falls and Windsor, 123 96 miles from Suspension Bridge.....	883
0 88	Hyde Park crossing.....	884
3 33	Etrick station.....	901
7 07	Elberton ".....	934
11 33	Deonfield ".....	897
14 54	Lucan, under crossing, main line, Montreal and Chicago, 446 75 miles from Montreal; main line, rail, 881; L. & W. Br., rail.....	860
15 05	River aux Sables, bed, 840; rail.....	868
16 27	Claudeboye station.....	883
22 15	Centralia ".....	867
26 97	Exeter ".....	872
27 48	River aux Sables, bed, 831; rail.....	864
32 78	Hensall station.....	885
35 10	Kippen ".....	886
39 10	Brucefield ".....	884
44 20	Bayfield River, bed, 865; rail.....	904
45 37	Clinton junction, with Buffalo and Goderich Div.....	905
45 69	Clinton station.....	912
52 02	Maitland River, bed, 937; rail.....	967
52 63	Londesborough station.....	971
56 46	Blyth ".....	1,080
58 27	Summit, ground, 1,126; rail.....	1,121
59 03	McKinnon siding.....	1,167
63 14	Belgrave station.....	1,058
66 15	South branch, Maitland River, bed, 1,004; rail.....	1,048
67 76	North " " " " 1,008; " " " ".....	1,054
68 82	Wingham junction, with Kincardine branch.....	1,078
Miles from Harrisburg	GRAND TRUNK RAILWAY—TILSONBURG BRANCH	
0 00	Harrisburg, junction with main line, Niagara Falls and Windsor, 62 73 miles from Suspension Bridge.....	733
0 72	Fairchild Creek, water, 665; bed, 656; rail.....	729
3 09	" " " " 657; " " 644; ".....	704
7 11	Buffalo and Goderich Div. crossing.....	687
7 46	Brantford, B. & G. station.....	705
7 59	" " B. & T. ".....	666
8 25	Grand River, water, 650; rail.....	666
8 58	West Brantford station.....	667
12 05	Mount Pleasant ".....	800
14 36	Mount Vernon ".....	800
17 04	Barford ".....	845
21 01	Harley ".....	836
23 95	Hatchley ".....	850
26 15	New Durham ".....	836
28 15	Norwich ".....	846
29 84	Norwich junction, with Stratford and Port Dover branch, 26 43 miles from Port Dover.....	842
31 80	Middleton Line station.....	841
33 66	Stutter Creek, bed, 788; rail.....	819
34 81	Springford station.....	780
39 15	Michigan Central R.R. crossing, M. C. R.R., rail, 805; G. T. Ry., rail.....	823
40 51	Tilsonburg station.....	761
42 36	Tilsonburg junction, with Loop Line, 95 09 miles from Fort Erie.....	799

Miles from Port Dalhousie	GRAND TRUNK RAILWAY—WELLAND BRANCH	Elevation
0-00	Lake Ontario, mean level (1871-1899).....	244-02
0-69	Port Dalhousie station.....	249
3-08	St. Catharines.....	347
5-78	Merrinton, junction with main line, Niagara Falls and Windsor.....	389
7-36	Thorold station.....	526
8-42	Hurst Pond, water, 564; rail.....	577
10-96	Allanburg station.....	591
11-93	Allanburg junction, with Allanburg branch.....	610
13-25	Port Robinson station.....	586
16-89	Welland River, water, 565; rail.....	585
17-22	Welland station.....	601
18-46	Michigan Central R.R., main line, crossing.....	591
20-18	Welland junction, with 'Loop Line'.....	577
23-25	Humberstone station.....	591
24-62	Port Colborne junction, with Buffalo and Goderich Div.....	580
	Lake Erie, mean water (1871-1899).....	571-59
Miles from Allanburg Jc.	GRAND TRUNK RAILWAY—ALLANBURG BRANCH	
0-00	Allanburg junction, with Welland branch.....	610
5-19	Stanford station.....	643
6-26	St. Catharines & Niagara Central Ry. crossing.....	623
7-94	Michigan Central R.R., Niagara Div., crossing.....	592
8-23	Clifton, junction with main line, Niagara Falls and Windsor.....	582
9-04	Niagara Falls, Ont.....	573
Miles from Port Dover	GRAND TRUNK RAILWAY—STRATFORD AND PORT DOVER BRANCH.	
	Lake Erie, mean level (1871-1899).....	571-59
0-00	Port Dover station.....	576
4-30	Lynn Valley ".....	657
7-69	Simcoe junction, with Port Rowan branch.....	714
7-50	Simcoe station.....	712
9-00	Loop Line junction, with 'Loop Line'.....	741
13-50	Gibson station.....	782
16-50	Brandy Creek station.....	788
17-25	Big Creek, rail.....	772
18-42	Port Dover junction, with Michigan Central R.R., main line, 162-33 miles from Buffalo.....	784
19-82	Havtry station.....	786
21-44	Summit, rail.....	847
23-48	Otterville station.....	798
23-70	Otter Creek, rail.....	797
26-43	Norwich junction, with Tilsonburg branch.....	845
27-40	Norwich station.....	873
28-87	Closs siding.....	885
31-00	Burgessville station.....	913
33-21	Summit, rail.....	1,040
33-50	Currie station.....	985
40-20	Woodstock, junction with main line, Niagara Falls and Windsor, 91-27 miles from Suspension Bridge.....	958
41-53	Canadian Pacific Ry., O. & Q. Div., main line crossing.....	947
41-97	Thames River, rail.....	934
46-15	Summit ".....	1,061
47-13	Depression ".....	1,010
48-66	Summit, rail.....	1,106
49-07	Hickson (formerly Strathallan) station.....	1,093
50-68	Summit, rail.....	1,131
53-79	Stream, rail.....	1,088
54-97	Tavistock, G. B. & L. E. station.....	1,143
55-68	Tavistock junction, with Buffalo and Goderich Div., 108-87 miles from Black Rock.....	1,162

Miles from Galt	GRAND TRUNK RAILWAY—GALT AND ELMIRA BRANCH	Elevation
0 06	Galt, junction with Southampton branch	878
4 49	Blair station	908
6 49	Down "	953
9 30	German Mills station	1,003
13 53	Berlin station	1,100
14 07	Berlin junction, with main line, Montreal and Chicago, 305 88 miles from Montreal	1,094
15 44	Waterloo station	1,056
19 57	Heidelberg "	1,122
21 29	St. Jacobs "	1,104
25 61	Elmira "	1,142
	GRAND TRUNK RAILWAY—LONDON AND ST. MARYS BRANCH	
0 00	London, junction with main line, Niagara Falls and Wind-or Div.	805
1 28	" old Burwell St. station	814
3 02	Pottersburg "	819
3 24	Canadian Pacific Ry., O. & Q. Div., main line crossing	864
5 82	Fairfield station	899
8 02	Wylon "	907
10 78	Thorndale "	954
15 82	Kelly siding	1,082
21 29	Stream, water 991; rail	1,054
21 55	St. Marys switch	1,058
22 62	St. Marys, junction with main line, Montreal and Chicago, 431 40 miles from Montreal	1,082
	GRAND TRUNK RAILWAY—BUFFALO AND GODERICH	
Miles from Black Rock		
0 00	Black Rock station N. Y.	587
0 64	Niagara River, International bridge, water, (1878), 565 7; rail	587
1 08	Bridge-Over (formerly Victoria) station	587
1 66	Michigan Central R.R., crossing	605
1 95	Fort Erie B. & G. Ry. station	605
7 62	Windmill Point station	599
10 12	Ridgeway (formerly Bertie) station	618
11 07	Sherks station	618
19 53	Port Colborne, junction with Welland branch	580
29 04	Welland Canal, mean water 571 80; rail	583
26 02	Wainfleet station	590
30 60	Lowbanks "	578
33 01	Welland Canal Feeder, water 577; rail	584
33 02	Stromness station	584
38 83	Dunville "	584
46 29	Canfield junction, with "Loop Line" and Michigan Central R.R.	616
47 08	Canfield station	623
51 90	Cooks "	642
53 30	York "	662
54 40	Summit, rail	679
59 58	Caledonia station	652
62 38	Summit, rail	681
64 46	Big Creek, water 616; rail	648
66 07	Middleport station	662
68 51	Onondaga "	663
73 18	Cainsville "	720
74 64	Summit, rail	730
75 43	Brantford, junction with Tilsonburg branch	705
83 51	Grand River, water (Aug., 1878), 731; rail	813
84 23	Paris, junction with main line, Niagara Falls and Windsor	843
86 98	Summit, rail	908
88 35	Nith Brook, water, 834; rail	863
89 77	Richwood station	933
92 58	Drumbo "	1,009
92 98	Canadian Pacific Ry., O. & Q. Div., main line, crossing	1,011
98 28	Bright station	1,040
107 98	Tavistock, B. & G. station	1,136
108 87	Tavistock junction, with Stratford and Port Dover branch	1,162
115 65	Stratford, junction with main line, Montreal and Chicago, 421 34 miles from Montreal	1,189

ALTITUDES IN CANADA

Miles from Black Rock	GRAND TRUNK RAILWAY—BUFFALO AND GODERICH	Elevation
116.57	Ayon River, water, 1,128; rail	1,171
120.19	Black Creek, water, 1,145; rail	1,161
120.68	Sobringville station	1,172
123.11	Summit	1,222
128.72	Mitchell station	1,121
128.87	Thames River, North Branch, water, 1,085; rail	1,122
133.79	Dublin station	1,163
133.80	Carron Brook, rail	1,097
140.26	Seaforth station	1,008
148.53	Clinton "	920
149.16	Clinton junction, with London and Wingham branch	905
152.25	Holmesville station	880
161.30	Goderich	729
163.00	" wharf, mean water, Lake Huron (1871-1899), 579.90; rail	587
Miles from Parkhead	GRAND TRUNK RAILWAY—OWEN SOUND BRANCH	
0.00	Parkhead, junction with Harriston and Warton branch	723
2.60	Shallow Lake station	730
5.20	Summit, ground, 827; rail	826
6.80	Murphy station	796
8.33	Bowlin "	799
11.33	Brookholm station	758
12.40	Owen Sound station	585
	Lake Huron, water (Dec. 15, 1894), 579.17; mean level (1871-1899)	579.90
Miles from Simcoe Junction	GRAND TRUNK RAILWAY—PORT ROWAN BRANCH	
0.00	Simcoe junction, with Stratford and Port Dover branch	714
	Hay Creek, bed, 701; rail	729
4.88	Young Creek, bed, 654; rail	679
5.14	Vittoria station	679
8.29	Summit, ground, 754; rail	739
8.57	Wash station	738
11.02	Forestville station	710
13.53	St. Williams "	680
17.00	Port Rowan "	622
	Lake Erie, mean level (1871-1899)	571.59
Miles from Muskegon	GRAND TRUNK RAILWAY—ASHLEY AND MUSKEGON	
	Lake Michigan, mean level (1871-1899)	579.90
0.00	Muskegon station, Mich.	591
1.26	" " Jefferson St.	627
1.73	Halls station, Mich.	653
14.40	Moorland "	680
16.75	Hines Crossing station, Mich.	698
18.64	Shocum "	695
21.38	Harrisburg "	705
25.28	Gooding "	821
30.47	Sparta "	763
34.54	Reeds "	841
39.57	Cedar Springs "	854
43.32	Sheffield "	901
45.07	Evans "	896
47.07	Harvard "	873
50.31	Lincoln Lake "	866
55.57	Greenville "	821
58.11	Eureka Place "	869
60.82	Milbrs "	866
65.23	Sheridan "	797
71.00	Vickeryville "	791
73.59	Butternut "	764
77.01	Carson City "	764
83.92	Middleton "	741
85.45	Perrinton "	734
89.40	Pompey "	716
91.45	Ola "	691
95.91	Ashley "	668
116.41	Owosso junction, with Detroit and Grand Haven Div.	743

Miles from Detroit	GRAND TRUNK RAILWAY—DETROIT AND GRAND HAVEN DIVISION	Elevation
0 0	Detroit station, Mich.	580
4 2	Milwaukee junction, Mich.	630
5 5	Kenwood station " "	631
6 7	Jerome Park " "	635
11 0	Urbanest " "	638
13 0	Royal Oak " "	663
18 5	Birmingham " "	777
24 7	Summit " "	960
25 7	Pontiac, Mich. junction with Jackson and Lenox Div.	934
26 2	P. O. & N. R. R. junction, Mich.	930
31 2	Drayton Plains station " "	967
33 5	Waterford " "	1,006
35 2	Clarkston " "	1,027
36 0	Summit " "	961
41 5	Davidsburgh station, Mich.	936
46 5	Holly " "	907
50 7	Fenton " "	873
55 2	Linden " "	857
62 7	Gaines " "	
67 0	Durand, Mich. junction with main line, Montreal & Chicago, 588 1/2 miles from Montreal.	793
70 2	Vernon station, Mich.	767
75 5	Corunna " "	772
78 7	Owosso " "	742
79 2	Owosso junction, Mich., with Ashley and Muskegon Div.	743
84 4	Barton station, Mich.	767
88 9	Ovid " "	772
91 5	Shepardsville station, Mich.	748
98 0	St. Johns " "	764
107 5	Fowler " "	744
112 7	Pewamo " "	740
117 7	Muir " "	653
124 9	Ionia " "	645
125 5	Prison siding, Mich.	645
132 5	Saranac station " "	638
139 5	Lewell " "	636
148 1	Arla " "	664
153 0	Summit " "	797
157 5	Grand Rapids station, Mich.	642
158 9	Fuller " "	622
163 0	Summit " "	780
166 5	Berlin station, Mich.	693
172 5	Coopersville station, Mich.	643
175 5	Dennison " "	645
179 9	Nunica " "	630
186 2	Spring Lake " "	591
187 0	Ferry-slung " "	592
189 0	Grand Haven " "	590
	Lake Michigan, low water, 578 5/2; high water, 583 2/6; mean water (1871-1890)	579 90
Miles from Detroit	GRAND TRUNK RAILWAY—DETROIT AND PORT HURON BRANCH	
	Detroit River at Detroit, low water, 572 7/6; high water, 576 5/4; mean water (1871-1895).	574 25
0 0	Detroit station, Mich.	580
1 8	" Gratiot Avenue	621
3 3	L. S. & M. S. R. R. junction	632
4 2	Milwaukee junction, Mich.	630
7 9	Mount Olivet station " "	625
16 1	Fraser " "	615
21 6	Mount Clemens " "	615
25 2	Chesterfield " "	615
31 8	New Haven " "	612
37 5	Lenox, Mich., junction with Jackson and Lenox Div.	627
49 2	Smith Creek station, Mich.	723
57 0	Port Huron " "	634
58 5	" Court St. station, Mich.	608
60 7	Fort Gratiot station, Mich.	583
	St. Clair River at Port Huron, low water, 577 1/9; high water, 581 9/3; mean water (1871-1895).	587
		578 79

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Miles from Jackson	GRAND TRUNK RAILWAY—JACKSON AND LENOX DIVISION	Elevation
0 0	Jackson station, Mich	929
1 3	M. C. R. R. crossing "	925
7 6	Roots station	936
10 5	Henrietta "	926
12 9	Munith "	944
18 2	Stockbridge "	942
23 4	Gregory "	939
27 1	Anderson "	901
31 0	Pinckney "	910
35 4	Lakeland "	866
38 4	Hamburg "	888
41 2	Whitmore Lake station, Mich	918
44 2	Rushton "	865
46 9	South Lyon "	942
50 9	New Hudson "	933
56 0	Wixom "	932
58 6	Walley Lake "	941
66 3	Orchard Lake "	937
70 5	Pontiac, Mich., junction with Detroit and Grand Haven Div.	934
74 0	Amy station, Mich.	871
79 4	Rochester "	727
80 4	Bay City crossing, Mich.	707
83 5	Shelby station, "	741
85 7	Washington "	728
91 5	Romeo "	780
98 4	Armada "	735
105 6	Lenox, Mich., junction with Detroit and Port Huron branch.	723

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to St. Romaine</i>		
	Halifax wharf.....	14
0 00	" station	57
0 75	Richmond "	15
2 98	Fairview "	11
4 07	Rockingham "	18
8 68	Bedford "	44
9 10	Sackville River bridge, rail.....	51
10 51	Lily Lake station (summit).....	141
16 51	" water	154
11 42	Rocky Lake siding	134
12 50	Lake View station	157
13 27	Waverley siding	158
13 91	Windsor junction, with Dominion Atlantic Ry. and Dartmouth branch.....	129
	Long Lake, water, 86; rail	95
18 01	Rawdon River siding	96
18 65	Beaver Brook, bed, 80; rail	95
19 90	Rawdon River, bed, 80; rail	92
20 55	Fletcher River, water, 49; rail	76
21 31	Wellington station	76
23 67	Grand Lake "	78
	Gaspereau Lake, water, 46; rail	25
24 00	Grand Lake, water	46
24 27	Oakfield station	62
25 03	Sandy Cove "	62
27 80	Shubenacadie River, water, 31; rail.....	56
27 68	Enfield station.....	63
30 13	Elmsdale "	56
30 30	Nine-mile River, water, 34; rail.....	55
31 93	Truro Road siding	61
34 68	Summit, rail.....	101
36 38	Milford station.....	92
40 09	Shubenacadie station.....	66
40 67	" River, water, 22; rail.....	55
44 56	Stewiacke station.....	86
46 40	" River, water, 24; rail.....	44
47 16	McKay siding	44
49 05	Alton station.....	86
50 42	Summit	131
51 43	Graham siding	107
53 81	Brookfield station.....	102
56 00	Summit, ground, 187; rail.....	181
57 41	Hidden station	141
61 83	Truro, junction with Mulgrave branch and Midland Ry. of Nova Scotia.....	60
62 45	Salmon River, bed, 35; rail	51
64 08	North " " 25 "	39
68 55	Isgonish " " 63 "	80
69 34	Belmont station.....	84
72 35	" River, bed, 136; rail	151
72 94	Debert	151
75 22	East Mines station	193
76 00	Folly River, bed, 109; rail.....	191
78 77	Londonderry station.....	334
84 69	Albans siding	611
85 00	Folly Lake, water.....	605
86 27	Folly-igh station (summit), by levels from Halifax.....	614
	" " " Moncton.....	618
89 17	Higgins Brook siding.....	498
89 77	Smith Brook "	470
90 10	Wentworth station	472
92 38	Caldwell Brook siding	468
93 51	Giles Crossing "	385
95 41	Westchester station.....	299
98 78	Greenville "	290
99 42	Atkinson siding	242
104 09	Thomson station.....	107
105 36	Fillmore siding.....	116
108 19	Oxford junction, with Oxford branch.....	94
108 30	River Philip, bed, 41; rail.....	95

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to St. Bonaville</i>		
110.41	River Philip station (summit)	172
114.40	Salt Springs	153
115.10	Black River, bed, 107; rail	141
116.30	Gillespie siding	184
119.14	Summit, rail	274
120.91	Springhill junction, with Cumberland Ry. & Coal Co.'s Ry.	199
124.69	Little Forks River, bed, 38; rail	71
128.38	Alford station	134
130.02	Maecan "	31
133.54	Nappan "	29
134.14	" River, high water, 24; rail	33
134.32	Pugsley siding	29
137.00	Summit	105
138.03	Anlorest station	63
139.85	La Planche River, high water, 21; rail	25
140.65	Fort Lawrence siding	28
141.65	Chignecto Marine Transport Ry. (abandoned) crossing	28
144.24	Avila station	26
145.55	Coles Island siding	26
147.89	Sackville, junction with New Brunswick and Prince Edward Island Ry.	25
153.16	Westcock siding	98
154.39	Evans station	2.3
154.80	Summit	234
159.33	Dorchester station	27
162.05	Upper Dorchester (formerly Rockland) station	27
163.21	Crowson siding	27
164.90	College Bridge station	32
166.77	Memramcook station	28
169.35	McManus siding	38
171.48	Calhoun station	54
173.80	Meadow Brook station	92
175.90	Summit	180
178.61	Patasse, junction with Pt. du Chêne branch	149
181.16	Belgrave (Lakerville) siding	131
182.50	Humphrey Brook, water, 69; rail	83
183.50	Buctouche and Moncton Ry. crossing	73
183.85	Humphreys station	56
185.12	Lock Factory siding	54
186.09	Moncton, junction with Buctouche and Moncton Ry. and St. John branch ..	50
193.41	Berry's Mills station	215
197.87	Catanoctid siding (summit)	247
199.02	South Cocagne River, water, 294; rail	307
201.10	" " rail	323
201.25	Summit, rail	343
204.80	Coman station	263
210.29	Birch Ridge siding	201
212.90	Coal Branch, South Fork, bed, 173; rail	222
213.15	" North " " 161 "	210
213.49	Coal Branch station	218
216.76	Albanville (summit)	300
218.61	Front Brook siding	263
222.58	Harcourt station	129
224.33	Richibucto River, water, 97; rail	220
230.25	Bass River, rail	237
231.55	Kent junction, with Kent Northern Railway	267
232.37	Kouchibouguais River, water, 200; rail	232
233.55	Perris siding	285
236.14	Brown "	280
237.55	Belliveau "	271
238.58	Kouchibouguais River, rail	272
239.59	Acadieville siding	306
240.10	Summit	312
242.52	Rogersville station	305
243.52	Barnaby River, rail	254
245.22	" " (stream in tunnel), rail	229
246.17	Collet siding	160
246.56	Barnaby River, water, 122; rail	152
251.26	Right-hand Brook, water, 76; rail	101

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
254 41	Barnaby River station	56
256 90	Summit	141
258 03	Chatham junction, with Canada Eastern Ry.	130
259 73	Southwest Branch Miramichi River, ordinary high water, 2 5; rail	33
260 54	Derby, junction with Indiantown branch	33
261 16	Northwest Branch Miramichi River, ordinary high water, 2 5; extreme high water, 5; rail	29
264 24	Newcastle station	134
272 80	Beaver Brook, water, 317; rail	333
273 44	" station	331
275 90	Green Brook, South Branch, bed, 328; rail	341
277 80	" North " " 406 "	463
284 96	Bartilogue station (summit)	521
286 00	" River, bed, 513; rail	518
289 24	Russell siding	494
291 50	Lawson Brook, bed, 373; rail	394
294 86	Red Pine station	338
297 70	Little Red Pine Brook (tank), bed, 219; rail	235
299 37	Red Pine Brook, bed, 165; rail	214
303 03	Gloucester junction, with Caraquette Ry.	109
304 00	Nepisiguit River, bed, 46; rail	90
306 22	Little River, bed, 41; rail	59
308 17	Bathurst station	45
311 17	Tête-à-Gauche River (tidewater), rail	68
314 55	Beresford siding	24
316 73	Nigadoo "	48
319 60	Petite Roche station	83
321 35	Elm-tree River, water, 62; rail	104
327 67	Belledune station	84
329 70	Summit, rail	150
331 50	Belledune River, bed, 53; rail	107
333 31	Culligan siding	138
336 59	Jacquet River station	55
337 70	" water, 8; rail	20
340 09	Nash Creek station	25
343 17	Dickie siding	61
346 42	New Mills station	37
351 25	Charlo River, North Branch (tidewater), rail	18
352 23	Charlo station	53
357 82	E-I River "	28
362 17	Dalhousie junction, with Dalhousie branch	28
368 70	Mill Creek, (tidewater); rail	79
371 02	Campbellton, junction with Restigouche and Victoria Ry.	40 3
373 02	Addington siding	70
376 10	Moffatt station	33
380 58	Flat Lands "	63
382 26	Fraser siding	70
383 10	Restigouche River, freshet water, 31; summer water, 13; rail	45
383 78	Metapedia, junction with Baie des Chaleurs Division, Atlantic and Lake Superior Railway	53
393 58	Mill Stream station	139
394 06	Metapedia River, 1st crossing, water, 129; rail	138
400 85	McKinnon Brook, water, 200; rail	238
404 85	Assam-tquaghan station	282
411 87	Beau Rivage (formerly Pleasant Beach) station	366
	Doyle Brook, water, 340; rail	359
412 90	Metapedia River, 2nd crossing, bed, 345; rail	372
414 00	Smith mill-pond, water, 400; rail	412
418 05	Metapedia River, 3rd crossing, water, 425; rail	454
418 36	Cansupcal station	454
424 10	Salmon Lake "	503
431 73	Amqui	532
440 09	Lake Metapedia, water	515
440 06	Cedar Hall station	541
446 70	Sayabec "	578
449 09	Sandy Bay siding	609
451 20	Lake Malfait, rail	744
451 70	Summit	571

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Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
454 17	St. Moise station.....	640
456 70	Brook, rail.....	573
461 70	Summit.....	716
462 16	Kempt station.....	688
466 99	Little Metis station.....	569
470 77	St. Octave ".....	346
472 25	St. Octave road crossing.....	276
473 20	Grand Metis River, water, 211; rail.....	270
476 11	Stc. Flavie station.....	266
480 70	Road crossing.....	231
484 22	Stc. Lucie station.....	150
485 80	Pacequet road crossing.....	125
489 45	St. Anacle and Father Point station.....	96
494 13	Rimouski station.....	54
494 35	Rimouski River, high water, spring tides, 8 3; low water (ordinary), 1; rail.....	42 4
498 32	Sacré-Coeur siding.....	19
504 53	Little Bic River, water, 38; bed, 29; rail.....	82
504 59	Bic station.....	82
512 15	R. Sud Ouest or Grand Bic, bed, 376; rail.....	408
513 92	St. Fabien station.....	445
523 84	St. Simon.....	296
532 36	Trois Pistols ".....	112
535 06	Riv. Trois Pistols, high water, 7; low water, 1; rail.....	63
535 61	McKenzie siding.....	63
538 40	Summit.....	138
538 68	St. Eloi station.....	108
543 18	Isle Verte ".....	117
545 90	River Verte, high water, 92; low water, 85; rail.....	125
551 00	Summit, ground, 500 ft. west, 300; rail.....	292
551 69	St. Arsenic station.....	274
553 85	Caouana ".....	259
559 35	River du Loup, high water, 286; ordinary low water, 276; rail.....	315
559 39	River du Loup, junction with Temiscomata Ry.....	316 7
563 29	River des Prairies, water, 316; rail.....	338
565 35	Old Lake Road station.....	351
569 25	Summit.....	429
571 14	St. Alexandre station.....	370
575 68	St. André ".....	342
579 16	Stc. Helene ".....	323
584 72	St. Paschal.....	195
585 69	Kamouraska River, bed, 164; rail.....	179
590 59	St. Philippe de Neri station.....	145
594 26	Riviere Ouelle ".....	48
594 80	Riviere Ouelle, bed, 20; rail.....	43
595 99	King siding.....	53
600 38	Stc. Anne station.....	362
609 75	Stc. Anne River, bed, 81; rail.....	162
607 25	Le Bras River, water, 102; bed, 99; rail.....	112
607 81	Stc. Louise station.....	119
609 80	River Ferres, water, 118; bed, 110; rail.....	133
611 64	Elgin Road station.....	162
614 40	Summit, ground, 188; rail.....	185
615 56	St. Jean Port Joli station.....	176
617 50	River St. Jean Port Joli, bed, 140; rail.....	157
618 29	River Trois Saumons, water, 104; rail.....	118
619 81	Trois Saumons station.....	100
622 25	River Tortue, east branch, bed, 66; rail.....	76
622 89	west " " " " " " 69; ".....	89
623 93	L'Islet station.....	114
627 29	L'Anse à Giles station.....	108
630 44	Cap St. Ignace ".....	132
637 00	River du Sud, water, 49; bed, 39; rail.....	58
637 26	Montmagny station.....	35
642 29	St. Pierre ".....	131
645 46	St. Francois ".....	134
650 58	St. Valier ".....	156
653 96	St. Michel ".....	176
655 70	River Boyer, water, 138; rail.....	168

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
660 42	St. Charles, junction with Chaudière branch.....	293 5
661 70	Summit.....	335
669 20	Harlaka, junction with Quebec Central Ry.....	240
671 77	St. Joseph station.....	162
673 90	Lévis ".....	15
674 87	Pointe Lévis ".....	16
	River St. Lawrence at Lévis, extreme high tide (Nov. 5, 1884), 16 88; ordin- ary high tide.....	7 38—8 55
676 36	Hadlow station.....	18
678 20	St. Romuald station.....	59
681 98	Chaudière Curve station.....	251
682 58	Chaudière junction, with Chaudière branch.....	254
683 17	Chaudière station, junction with Grand Trunk Ry.....	235
685 40	Terrebonne River, bed, 229; rail.....	248
686 54	St. Nicolas station.....	255
689 70	Vicent River, bed, 251; rail.....	273
690 80	4th Range road crossing (summit).....	317
695 27	Ste. Apollinaire station.....	317
699 30	Summit, ground, 434; rail.....	430
703 24	Ste. Croix station.....	415
706 60	River Chénoue, water, 379; rail.....	385
709 40	River Henri, water, 372; rail.....	382
713 40	River du Chêne, bed, 355; rail.....	382
713 89	River du Chêne station.....	386
714 90	Stream, bed, 366; rail.....	386
719 40	River Creuse, bed, 383; rail.....	386
720 17	Kingsburg, junction with Lotbinière and Mégantic Ry.....	384
724 30	Road crossing, line between St. Jean des Chaillons and Blandford.....	344
726 36	River du Chêne, water, 284; rail.....	301
726 43	Moose Park station.....	327
727 90	Summit.....	327
727 80	Brook, bed, 301; rail.....	305
730 83	Soulards station.....	308
733 96	Gentilly River, bed, 285; rail.....	291
734 39	Forestdale station.....	291
737 94	River Sauvage, bed, 278; rail.....	282
740 58	River Béancœur, bed, 242; rail.....	281
740 62	Maddington Falls station.....	281
743 00	Fortage River, bed, 233; rail.....	208
745 86	Aston, junction with Three Rivers and Artibonaska branch, Grand Trunk Ry.....	290
749 28	River Blanche, bed, 243; rail.....	267
749 56	St. Wenceslas station.....	275
753 90	St. Leonard junction, with Nicolet branch.....	252
754 20	Northeast Branch Nicolet River, water, 149; bed, 144; rail.....	226
758 67	Ste. Perpetue station.....	228
760 30	Southwest Branch Nicolet River, water, 191; bed, 187; rail.....	221
760 47	Mitchell station.....	227
762 62	Blakes mill siding.....	208
763 53	Carmel station (summit).....	349
767 10	River des Saules, bed, 259; rail.....	273
768 58	St. Cyrille station.....	280
771 80	St. Francis River, high water, 256; low water, 248; rail.....	261
772 30	Canadian Pacific Ry., Drummondville branch, crossing.....	290
772 35	Drummondville station.....	290
775 60	Black River, bed, 247; rail.....	258
776 77	St. Germain station.....	241
780 80	Summit.....	326
781 63	Duncan station.....	290
783 14	St. Eugène ".....	273
785 87	Summit.....	263
788 27	Bagot station.....	241
789 47	River Chibouette, bed, 217; rail.....	227
791 23	Road crossing, (summit).....	244
792 77	St. Edward station.....	235
794 29	St. George ".....	203
796 08	River Belorne, bed, 138; rail.....	153
799 11	Ste. Rosalie, junction with Grand Trunk Ry., 38 01 miles from Montreal.....	113 8

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Miles from St. Charles	INTERCOLONIAL RAILWAY—CHAUDIERE BRANCH	Elevation
0 00	St. Charles, junction with main line	233.5
3 00	Summit, rail	328
7 79	St. Henri, junction with Quebec Central Ry.	297
10 38	River Etchemin, water, 263; rail	252
12 86	St. Jean Chrysostome station	214
16 38	Chaudiere, junction with Quebec Br., Grand Trunk Ry.	234
Miles from St. Leonard	INTERCOLONIAL RAILWAY—NICOLET BRANCH	
0 00	St. Leonard junction, with main line, 753 90 miles from Halifax	232
0 37	St. Leonard station	237
3 80	Summit	252
8 26	St. Monique station	162
11 70	St. Guillaume road crossing	125
14 50	Great Eastern Ry. "	76
14 76	Nicolet station	75
17 35	Wharf at Balls mills, water, St. Lawrence River (Dec., 1888), 15; rail	27
Miles from Moncton	INTERCOLONIAL RAILWAY—ST. JOHN BRANCH	
0 00	Moncton, junction with main line and Pointe du Chêne branch	50
5 87	Summit	111
8 16	Depression	34
10 04	Boundary Creek station	79
13 21	Salisbury "	102
15 34	North River siding	91
17 93	Pollet River station	80
18 90	Petiteslacie River, water, 59; rail	89
21 24	Summit	119
22 79	Petiteslacie, junction with Elgin and Havelock Ry.	100
23 17	Davidson siding	191
25 79	Hayward	140
28 40	Anagnese station	159
28 90	Summit	172
31 00	Portage, ballast pit siding	133
33 87	Summit	167
34 26	Pans-maine siding	157
36 97	Penobscuis tank	103
37 02	Ballast pit siding	126
38 00	Penobscuis station	93
38 80	Salmon River, bed, 70; rail	85
42 28	Plumweseep station	67
43 25	Penobscuis River, bed 47; rail	73
45 25	Trout Brook, bed, 64; rail	73
45 47	Su-sex station	69
47 30	Heffers siding	61
49 96	Apoahqui station	73
52 38	Secord siding	73
52 84	Gursey "	53
54 43	Williams "	45
56 50	Norton, junction with Central Ry. of New Brunswick, Northern Div.	53
58 35	Moosehorn siding	38
58 65	Moosehorn Brook, bed, 17; rail	26
61 48	Hlsonfield station	36
62 93	Passekeag "	33
64 93	Summit	75
67 19	Hampton, junction with Central Ry. of New Brunswick, Southern Div.	27
68 54	Lakeside station	28
72 48	Nauwigewank station	23
72 78	Hannomed River, water, 54; rail	27
73 66	Jubilee station	47
75 56	Model Farm station	130
77 09	Summit	179
77 20	Chispamis station	159
80 38	Bothesy "	25
81 91	Riverside	20
	Kennebecasis Bay, high water	6

Miles from Moncton	INTERCOLONIAL RAILWAY—ST. JOHN BRANCH	Elevation
83 57	Torryburn station (summit).....	75
84 89	Brookville ".....	28
86 17	Coldbrook ".....	15
89 22	St. John ".....	17 5
	Carleton station.....	16 5
	St. John wharf.....	15 5
Miles from Painsec	INTERCOLONIAL RAILWAY—POINTE DU CHENE BRANCH	
0 00	Painsec, junction with main line, 178 61 miles from Halifax.....	149
5 00	Borechester Road station.....	107
8 25	Smith siding.....	38
9 25	Shediac station.....	47
11 38	Pointe du Chene wharf, high water, 3; low water, -3; rail.....	9
Miles from Windsor Jc.	INTERCOLONIAL RAILWAY—DARTMOUTH BRANCH	
0 00	Windsor junction, with main line, 13 91 miles from Halifax.....	129
0 80	Three-mile Lake, water, 96; rail.....	115
2 08	Waverley station.....	79
6 50	Summit, rail and ground.....	146
12 38	Dartmouth station.....	14 5
14 78	Sugar refinery.....	15 5
Miles from New Glasgow	INTERCOLONIAL RAILWAY—PICTOU LANDING BRANCH	
0 00	New Glasgow, junction with Mulgrave branch, 42 92 miles from Truro.....	29
1 00	Trenton station.....	41
4 00	Glenfalloch siding.....	79
4 28	Summit.....	75
8 00	Pictou Landing station.....	10
Miles from Stellarton	INTERCOLONIAL RAILWAY—PICTOU TOWN BRANCH	
0 00	Stellarton, junction with Mulgrave branch, 40 82 miles from Truro.....	58
2 55	Intercolonial Coal Co. Ry. crossing.....	180
3 13	Westville station (summit).....	216
5 00	McCulloch Brook, bed, 30; rail.....	117
7 00	Middle River of Pictou (tidewater), rail.....	29
7 73	Sylvester station.....	29
10 53	Lechbransom ".....	19
12 23	Browns Point, junction with Oxford branch.....	11
13 93	Pictou station.....	9
Miles from Derby	INTERCOLONIAL RAILWAY—INDIANTOWN BRANCH	
0 00	Derby, junction with main line, 260 54 miles from Halifax.....	33
3 40	Fitzgerald Brook, high water, 4; rail.....	26
4 32	Millerton station.....	23
5 30	Wilson Brook, high water, 4; rail.....	23
9 20	Summit, rail and ground.....	127
11 00	Elm-tree Brook, bed, 49; rail.....	66
13 51	Indiantown, junction with Canada Eastern Ry., Indiantown branch.....	39
Miles from Dalhousie Jc.	INTERCOLONIAL RAILWAY—DALHOUSIE BRANCH	
0 00	Dalhousie junction, with main line, 362 17 miles from Halifax.....	79
2 00	Summit siding, ground, 236; rail.....	230
7 00	Dalhousie station.....	13

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Miles from Oxford Jc.	INTERCOLONIAL RAILWAY—OXFORD BRANCH	Elevation
0 0	Oxford junction, with main line, 108 19 miles from Halifax	94
2 9	Oxford station	38
6 1	Summit	152
11 4	Conns Mills station	25
14 6	Summit	73
15 7	Pugwash junction, with Pugwash branch	37
20 4	Pugwash station	14
20 2	Wallace Bridge station	48
21 3	Wallace River (tidewater), rail	51
23 2	Wallace station	132
27 5	Road crossing	48
30 7	Road crossing	86
35 1	Tatamagouche station	15
38 8	Road crossing	49
41 8	Denmark station (summit)	141
42 2	River John "	67
48 3	" low water, 0; rail	62
52 0	Rogers siding (summit)	227
55 2	Meadowville station	141
60 2	Scotsburn " (summit)	251
64 9	Scotch Hill "	61
67 4	Browns Point, junction with Pictou Town branch	11
69 1	Pictou station	9
Miles from Truro	INTERCOLONIAL RAILWAY—MULGRAVE BRANCH	
0 00	Truro, junction with main line, 61 83 miles from Halifax	60
2 94	Murray siding	87
4 66	Valley station	102
8 97	Union "	218
12 72	Riversdale station	314
13 99	Hingley "	335
16 30	Black River, bed, 399; rail	406
16 51	Campbell station	429
19 22	Lansburg tank (summit)	505
20 72	West River station	441
21 05	West River of Pictou, bed, 419; rail	427
23 80	Gordon Summit siding (summit), rail	559
25 55	Lansdowne station	463
28 45	Glengarry "	395
29 00	Middle River of Pictou, bed, 399; rail	375
30 09	Lorne siding	365
34 98	Hopewell station	206
36 49	Kurks siding	145
37 27	Ferrona junction, with Nova Scotia Steel Co.'s Railway	129
38 08	Riverton siding	120
	Intercolonial Coal Co.'s Ry. junction	185
40 82	Stellarton, junction with Pictou Town branch	58
41 32	Yale Colliery Ry. junction	18
42 09	Lourdes station	18
42 92	New Glasgow, junction with Pictou Landing branch	29
46 16	Summit	218
48 85	Woodburn station	136
50 92	Pine Tree "	136
53 24	West Merigomish station	65
53 45	Summit	77
56 63	Merigomish station	18
61 42	Piedmont "	241
62 58	Summit	288
65 19	Avondale station	151
66 20	West Branch Barney River, water, 118; rail	160
66 26	Dewar siding	160
67 20	Barney River station	183
71 12	Marshy Hope "	37.3
72 15	Summit	451
74 98	James River station	255

Miles from Truro	INTERCOLONIAL RAILWAY—MULGRAVE BRANCH	Elevation
76 42	James River, water, 188; rail	293
79 04	Briery Brook station	148
81 40	South Branch Rights River, bed, 123; rail	135
82 50	Rights River, bed, 33; rail	96
84 43	Antigonish station	29
89 53	South River "	29
91 41	Taylor Road "	113
91 32	Pomquet "	43
96 56	Heatherton "	29
98 14	Summit	188
98 93	Bayfield Road station	135
99 59	Afton River, water 88; rail	99
100 34	Afton station	96
100 79	Summit	150
104 42	Tracadie station	48
105 68	Monastery "	13
106 74	Black River siding	15
109 11	Lanwood station	127
113 14	Harbour au Bouche station	271
117 14	Cape Poreupine "	398
123 07	Mulgrave "	9
Miles from Pt. Tupper	INTERCOLONIAL RAILWAY—CAPE BRETON BRANCH	
0 00	Point Tupper station, high water, 3 6; low water, -3 6; rail	9
1 01	Hawkesbury "	28
4 45	Mines Road " (summit, ground 151; rail	142
6 10	Beaver dam Lake, bed 92; rail	111
7 30	McIntyre Lake station	133
9 80	River Inhabitants, water, 0; rail	21
13 90	West Bay Road station	214
16 10	Summit, ground, 298; rail	286
21 20	River Denys station	72
23 10	River Denys, bed, -5; rail	12
26 40	Summit, ground, 66; rail	61
29 10	Orangevale station	12
32 60	Summit, ground 81; rail	79
34 22	Alba station	15
38 10	Summit, ground, 108; rail	89
39 90	McKinnon Harbour station	9
45 40	Iona station	12
45 60	Narrows between Little and Great Bras d'Or lakes (tidewater), rail	12
46 20	Grand Narrows station	12
51 30	Summit, ground, 94; rail	92
54 75	Shenacadie station	14
63 45	Boisdale "	12
68 88	Barrachois "	21
74 50	George River "	37
77 00	Scotch Lake Brook, bed, 130; rail	141
78 20	North Sydney junction (summit)	159
80 75	Leitch Creek station	10
81 60	Ball Creek, water, 9; rail	10
85 00	Summit, ground, 121; rail	114
88 00	South Arm Sydney Harbour (tidewater), rail	27
90 90	Sydney and Louisburg Ry. junction	7
91 10	Sydney station	8
92 20	Battery Point wharf	10
Miles from N. Sydney Jct.	INTERCOLONIAL RAILWAY—NORTH SYDNEY BRANCH	
0 00	North Sydney junction	159
4 50	North Sydney station	41

Miles from Harvey	INTERCOLONIAL RAILWAY—"SHORT LINE" (projected)	Elevation
<i>Harvey to Berrys Mills</i>		
0 00	Harvey station, Canadian Pacific Ry. 'Short Line,' 65 0 miles from St. John	493
3 50	Moodle road, ground	514
4 30	Lyon Brook, grade, 514; bed	500
7 02	Hunter road, ground	437
10 72	Longs Brook, grade, 351; water	353
13 75	Russongomis Brook, grade, 362; bed	353
18 13	Howie road, ground	423
19 94	Murray Canal, grade, 347; bed	339
26 80	St. John River at Fredericton, high water, 18 3; low water	10 3
32 70	Portobello Brook, grade, 100; bed	66
34 85	Summit, grade, 174; ground	178
37 33	Bartlett Mill Stream, grade, 121; bed	106
40 60	Summit, grade, 201; ground	209
42 05	Burpee Brook, grade, 167; bed	118
45 70	Summit, ground	296
50 78	Little River, grade, 74; bed	49
55 40	Summit, ground	291
56 80	Newcastle Brook, grade, 68; high water, 47; low water	46
60 75	Summit, ground	93
65 85	Salmon River, grade, 31; high water (1887), 22; ordinary high water, 15; low water (July 27, 1889)	3
66 70	Summit, ground	76
70 00	Coal Creek, grade, 47; high water (1887), 22; water (Dec., 1889)	5
74 80	Summit, ground	231
75 52	Cumberland Bay Brook, grade, 211; bed	197
76 90	Summit, ground	260
83 45	North Branch Canaan River, grade, 97; high water, 70; low water	62
86 80	Summit, grade, 148; ground	160
89 86	Alward Brook, grade, 52; bed	40
94 15	Canaan River, grade, 75; extreme high water (1854), 69; low water	58
99 25	Summit, ground	243
99 46	Junction with line to Salisbury, grade, 227; ground	229
103 50	Summit, grade, 362; ground	365
110 05	North River, grade, 222; high water, 206; low water	199
113 00	Summit, grade, 369; ground	312
114 73	Berrys Mills station, Intercolonial Ry., main line, 193-11 miles from Halifax	215
<i>Alternative line to Salisbury</i>		
99 46	Junction with line to Berrys Mills, grade, 227; ground	229
102 40	Summit, grade, 282; ground	288
105 75	North River, grade, 159; extreme high water (1854), 156; low water	148
107 80	Summit, grade, 252; ground	260
110 70	Salisbury station, Intercolonial Ry., St. John branch	102
INTERCOLONIAL RAILWAY—"CENTRAL ROUTE"		
<i>Exploratory Survey, River Trois Pistoles to Apohaqui</i>		
Miles from R. Trois Pistoles		
0 0	East bank of River Trois Pistoles, 8 miles south of Trois Pistoles station on Intercolonial Ry., ground	511
2 4	Road at St. Jean de Dieu P. O., ground	505
3 0	Baibauscache River near St. Jean de Dieu P. O., bed, 486; grade	511
10 4	Baibauscache River, 2nd crossing, bed	644
11 7	Summit between Baibauscache River and Island Lake, ground	711
13 0	Island Lake, water	667
22 7	Eagle Lake " "	534
23 5	Wagan Brook, 1st crossing, bed	538
25 8	" " 2nd " " "	539
27 0	Wagan Lake, water	568
29 8	Divide between Wagan and Touradif rivers	588
30 0	Upper Touradif Lake, water	573
32 0	Lower " " " "	563
33 7	Touradif River, bed	592

Miles from R. Trois Pistoles	INTERCOLONIAL RAILWAY—"CENTRAL ROUTE"	Elevation
<i>Exploratory Survey, River Trois Pistoles to Aponqui</i>		
37.9	Snellier River, 1st crossing, bed.....	563
39.7	" 2nd " "	675
44.0	" 3rd " "	764
44.4	Divide between Snellier River and Tracy Brook ground.....	795
46.0	D'Embarras River, bed.....	763
49.9	North Branch Touadif River, bed.....	983
50.5	Echo Lake, water.....	985
56.0	Summit Lake, water, 1,351; summit of ground.....	1,365
57.2	Porcupine Lake, water.....	1,337
63.7	Rimouski River, bed.....	1,388
65.0	Interprovincial boundary, New Brunswick and Quebec, ground.....	1,456
66.6	Lake Tarks, water.....	1,517
66.9	Divide between Rimouski and Green rivers, ground.....	1,535
70.6	Green River Lake (1st lake), water.....	1,362
73.4	Branch of Green River, bed.....	1,290
79.7	North-west Branch Green River, bed.....	1,105
82.8	North-east " " " 1½ miles below mouth of Otter Brook, bed.....	1,141
84.3	" " " " bed.....	1,192
87.8	" " " " "	1,370
89.6	Divide between Green and Gouanamitz rivers, ground.....	1,533
99.0	North Branch Gouanamitz River, bed.....	823
103.9	Gouanamitz River, 1st crossing, grade, 719; bed.....	705
108.2	" " 2nd " " (at 1st fall, grade, 612; bed.....	595
111.8	" " 3rd " " ½ mile below Halfway Lodge, bed.....	527
113.9	" " 4th " " bed.....	479
115.1	Restigouche River, one mile below junction with Gouanamitz River, high water, 471; low water.....	465
120.7	Divide between Boston and Jardine brooks, bed.....	832
125.8	Grand River, water.....	744
127.6	Gull Lake, water.....	795
132.4	Divide between Grand and Little rivers, ground.....	1,105
133.5	Little River, grade, 1,061; bed.....	1,043
134.2	Divide between Little and Salmon rivers, ground.....	1,068
137.9	North Branch Salmon River, water.....	863
138.8	Divide between North and Middle branches of Salmon River, grade, 935; ground.....	950
140.8	Middle Branch Salmon River, bed.....	796
141.3	Divide between Middle Branch and Cedar Brook, ground.....	846
142.1	Cedar Brook, grade, 805; bed.....	786
145.0	Divide between Salmon River and Tobique River waters, ground.....	865
150.0	Two Brooks, 1st crossing, bed.....	623
152.6	" " 2nd " " near confluence with Tobique River, bed.....	494
153.7	Tobique River (Dow flat), bed.....	443
160.5	" " ½ mile above mouth of Little Gulguaque River, grade, 449; water, 419; bed.....	415
165.7	Divide between Little Gulguaque and Little Wapskehegan, ground.....	711
166.7	Little Wapskehegan River, grade, 651; bed.....	598
171.3	Divide between Little Wapskehegan and Wapskehegan rivers, ground.....	803
171.6	Wapskehegan River, grade, 808; bed.....	663
176.7	Divide between Oven-rock and Frank brooks (Tobique and Miramichi waters), grade, 1,195; ground.....	1,206
180.2	North Branch Miramichi River, small lake, water.....	1,100
182.2	North Branch Main Southwest Miramichi River, 1st crossing, near Carleton and Victoria county line, grade, 1,060; bed.....	1,031
183.8	North Branch Main Southwest Miramichi River, 2nd crossing, bed.....	977
191.7	Peters Brook, bed.....	852
197.7	South Branch South-west Miramichi River at mouth of Turtle-shell Brook, grade, 825; water.....	808
200.3	Divide between South-west Miramichi and Nashwaak rivers (Nashwaak sum- mit), ground.....	984
204.5	Southwest Branch Nashwaak River, grade, 920; bed.....	909
209.2	Big Brook, bed.....	857
211.3	Nashwaak River at mouth of Sister Anne Brook, grade, 841; bed.....	826
214.3	Divide between Nashwaak and Keswick rivers (Keswick summit), ground.....	1,040
215.5	Grade on west side Beaugrain Lake.....	932
221.0	Bank of Keswick River, ground.....	567
224.0	Keswick River, 1st crossing, bed.....	378
224.4	" " 2nd " " "	362

Miles from Tignish	PRINCE EDWARD ISLAND RAILWAY—MAIN LINE	Elevation
<i>Tignish to Souris</i>		
0.0	Tignish station	62
2.3	Harper "	67
4.6	De Blois "	124
6.3	Summit, rail	168
6.9	Killare station	142
9.1	Alma (Montrose) station	142
13.3	Alberton station	24
14.6	" wharf	5.5
16.9	Elmsdale station	124
19.4	Summit	155
22.3	Woodsfield station	130
26.2	Howlan (Mill River) station	55
26.7	Summit	111
28.0	O'Leary station	99
31.3	Coleman "	67
36.2	Depression	15
36.9	Portage station	73
40.2	Conway "	73
40.9	Summit	75
44.6	Ellerslie station	58
46.2	Port Hill "	99
46.4	Summit	103
48.8	Northam station	74
50.6	Summit	132
51.7	Richmond station	75
56.3	Wellington "	64*
57.5	Depression	10
59.2	St. Nicholas station	53
62.9	Miscouche "	85
66.3	St. Eleanors "	80
68.0	Summerside wharf	8
70.0	Summit	90
71.0	Travellers Rest station	36
72.3	New Annan "	50
74.3	Barbara Weit "	36
76.3	Kensington "	119
74.4	Summit	171
78.4	Blueshanks station	124
80.0	Depression	55
81.7	Freetown station	102
82.0	Depression	85
85.3	Emerald, junction with Cape Traverse branch	123
87.6	Breadalbae station	135
89.6	Elliott "	181
91.7	Summit	307
91.8	Fredericton station	396
93.8	Clyde "	292
96.3	Hunter River "	86
100.0	North Wiltshire " (summit)	305
103.5	Colville "	179
106.0	Loyalist Road "	48
107.1	Milton "	25
110.8	Winsloe Road "	144
111.9	Royalty junction	166
113.2	Cemetery station	127
117.1	Charlottetown station	8
117.2	" wharf	8.2
112.3	Summit	181
112.6	Point station	159
114.0	Union Road station	118
115.7	York "	138
118.1	Suffolk "	156
119.0	Summit	173

*This elevation was extracted from the railway profile, but is obviously in error, as barometric measurements by Mr. R. Chalmers gave an elevation of only 10 feet.

Miles from Tignish	PRINCE EDWARD ISLAND RAILWAY—MAIN LINE	Elevation
<i>Tignish to Souris</i>		
129.4	Bedford station.....	92
121.0	Summit.....	100
123.3	Tracadie station.....	61
128.7	Mount Stewart, junction with Georgetown branch.....	24
129.9	St. Andrews station.....	15
131.7	Douglas ".....	88
134.2	Dundee " (summit).....	168
136.6	Lot 40 ".....	51
138.1	M. re-lle ".....	39
	Marie ".....	23
145.3	St. Peters ".....	15
147.4	Five Houses ".....	125
149.0	Ashton ".....	143
152.5	Scibirk ".....	101
152.8	Depression.....	72
154.5	Rollo Bay station.....	134
156.7	Bear River ".....	219
156.9	Summit.....	228
159.1	New Zealand station.....	183
161.7	Harmony ".....	161
166.7	Souris ".....	15
167.3	" wharf.....	7
PRINCE EDWARD ISLAND RAILWAY—CAPE TRAVERSE BRANCH		
Miles from Cape Traverse		
0.0	Cape Traverse station.....	11
1.8	Tanks ".....	24
4.2	Albony ".....	127
7.7	Kinkora ".....	141
11.8	Emerald, junction with main line, 85.3 miles from Tignish.....	123
PRINCE EDWARD ISLAND RAILWAY—GEORGETOWN BRANCH		
Miles from Mt. Stewart		
0.0	Mount Stewart, junction with main line, 128.7 miles from Tignish.....	24
2.6	Pisquid station.....	59
7.2	Parker station.....	110
9.2	Baldwin (St. Teresa) station.....	189
9.3	Summit.....	195
13.7	Perth station.....	136
18.1	Cardigan ".....	79
21.0	Bridenell ".....	65
24.1	Georgetown station.....	26
24.5	" wharf.....	6

Miles from Windsor Junction.	DOMINION ATLANTIC RAILWAY—MAIN LINE	Elevation
0.0	Windsor junction, with Intercolonial Railway, 13.91 miles from Halifax.....	129
2.9	Beaver Bank station.....	229
3.7	Fenerty Lake siding.....	254
4.9	Fenerty ".....	295
7.5	Grove ".....	349
8.8	Summit ".....	456
9.8	South Uniacke siding.....	449
10.9	Hay and Hibbert ".....	466
12.8	Summit.....	514
12.9	Mount Uniacke station.....	509
19.5	Stillwater siding.....	412
21.9	Dawson ".....	312
22.9	Eilershous station.....	258
25.9	Newport ".....	119
28.8	Three-mile Plains siding.....	79
30.3	Wilkins and Ballast pit siding.....	26
31.6	Windsor station.....	26
33.0	Falmouth ".....	27
38.6	Hantsport ".....	48
43.1	Avonport ".....	57
45.5	Horton Landing station.....	44
46.7	Grand Pre ".....	28
49.7	Wolfville ".....	28
51.5	Port Williams.....	31
56.7	Kentville, junction with Cornwallis Valley branch.....	38
61.1	Coldbrook station.....	71
63.7	Cambridge ".....	71
65.9	Waterville ".....	93
68.8	Berwick " (summit).....	140
74.1	Aylesford ".....	100
75.7	Auburn ".....	94
80.2	Kingston ".....	86
83.7	Wilnot ".....	79
87.4	Middleton, junction with Central Railway of Nova Scotia.....	73
93.7	Lawrencetown station.....	75
96.5	Paradise ".....	50
101.3	Bridgetown ".....	29
109.0	Roundhill ".....	32
115.2	Annapolis, old ".....	16
115.5	" new ".....	18
116.0	Allen River (tidewater), rail.....	16
122.9	Clementsport station.....	68
125.6	Deep Brook (tidewater), rail.....	38
129.1	Beur River station.....	30
132.5	Smith Cove ".....	41
135.6	Digby ".....	33
139.8	Jordanstown ".....	165
143.8	Bloomfield ".....	309
144.3	Summit.....	332
146.0	North Range station.....	392
149.0	Plympton ".....	292
151.0	Sissiboo Falls ".....	288
156.8	Weymouth ".....	53
161.4	Beliveau ".....	151
165.6	Church Point ".....	117
166.8	Little Brook ".....	140
169.4	Sandisville ".....	117
172.6	Meteghan ".....	125
181.8	Hectanogosa ".....	163
184.8	Lake Amis ".....	190
189.1	Prazil Lake ".....	211
193.1	Pitman Road ".....	231
195.4	Ohio ".....	157
197.8	Hebron ".....	82
201.5	Yarmouth, junction with Coast Railway..	36

Miles from Kentville	DOMINION ATLANTIC RAILWAY—CORNWALLIS VALLEY BRANCH	Elevation
0.0	Kentville, junction with main line, 56.7 miles from Halifax.	38
2.4	Mill Village station.	45
4.9	Centerville "	90
7.7	Sheffield Mills "	92
9.3	Hillaton "	30
10.8	Canning "	72
13.7	Kingsport "	47
Miles from Truro	MIDLAND RAILWAY	
0.0	Truro, junction with Intercolonial Railway, main line, 61.83 miles from Halifax	60
4.6	McNitt Brook, bed, 16; rail	34
4.7	Old Barns road crossing	34
6.7	Beaver Brook, bed, 16; rail	34
7.0	Clifton station	31
8.9	Mud Brook, bed, 89; rail	123
11.6	Pitch " " 169 " "	184
12.3	Princeport Road station	212
12.5	Summit, ground, 235 "	283
13.8	Fisher Brook, bed, 169; rail	175
14.8	" " " 94 "	123
16.1	Green Oaks station	68
16.8	Shubenacadie River, extreme high water, 29; low water, -3; rail	44
17.7	South Matland station	32
18.0	McMullin station	42
20.3	Five-mile River, bed, 76; rail	92
20.6	Latties Brook P. O., road crossing near	96
22.0	Five-mile River, bed, 112; rail	128
22.8	Burton station	141
24.2	Summit, ground, 174; rail	171
26.3	Doddridge station	140
29.6	Kenneteook River, bed, 89; rail	104
31.3	Kenneteook station	72
35.2	Riverside Corner P. O., road crossing near	72
37.4	Kenneteook River, bed, 162; rail	177
39.1	Clarksville station	70
39.9	Lacy Brook, bed, 56; rail	63
42.7	Stanley station	38
44.8	Little River, bed, 23; rail	37
45.7	Mosherville P. O., grade opposite	139
48.0	Scotch Village station	133
48.7	Summit, ground, 161; rail	139
51.2	Herbert River, bed, 26; rail	37
51.3	Millbrook station	37
51.5	Brooklyn "	33
52.6	Meadowdale "	31
54.1	St. Croix River, bed, 5; rail	35
54.2	St. Croix station	35
55.4	Dinook "	30
57.8	Windsor, junction with Dominion Atlantic Railway, 31.68 miles from Windsor Junction.	26
Miles from Brookfield	MIDLAND RAILWAY—TRIAL LINE (abandoned)	
0.0	Brookfield, junction with Intercolonial Railway, 53.81 miles from Halifax.	161
1.9	Summit, ground, 160; grade	149
5.7	Saundersons mill pond, "	66
7.8	Summit, ground, 184; "	178
26.6	Summit " " " " "	121
38.4	Little River, bed, 18; grade	36
40.4	Main road to Windsor, "	72
42.3	Summit, ground, 162; "	153
44.8	Herbert River, bed, 24; "	38
45.1	Road to Brooklyn, "	36
47.2	St. Croix River, bed, -2; grade	54
50.0	Dominion Atlantic Ry. near Newport station.	169

Miles from I. C. Ry.	MIDLAND RAILWAY—TRIAL LINE UP VALLEY OF STEWIACKE RIVER (abandoned)	Elevation
0 0	Junction with Intercolonial Railway, 1 mile south of Brookfield	113
0 3	Little River, bed, 87; grade.....	95
2 2	Summit, ground, 207; grade.....	197
2 4	Downing Brook, bed, 165; grade.....	182
3 1	Forest Glen road, ground, 202; grade.....	196
5 6	Brenton Brook, bed, 41; grade.....	55
9 6	Middle Stewiacke village.....	89
10 3	Fisher Brook, bed, 91; grade.....	94
16 6	Upper Stewiacke village.....	90
19 2	Croftman Brook, water, 111; grade.....	121
19 4	Stewiacke Cross Roads.....	138
20 0	Stewiacke River, freshet, 105; ordinary water, 98; grade.....	111
20 7	Iron mines, near Stewiacke Cross Roads.....	132
21 6	Springside corner.....	135
22 5	Eastville village.....	138
25 3	Post road.....	223
Miles from Lunenburg	CENTRAL RAILWAY OF NOVA SCOTIA	
0 0	Lunenburg wharf, rail.....	9
0 5	" station.....	30
5 0	Summit.....	94
6 5	Malene station.....	84
8 6	Blackhouse ".....	180
11 9	Summit.....	230
12 2	Maitland station.....	204
18 3	Bridgewater.....	13
21 0	Cook Brook, bed, 60; rail.....	66
26 3	Northfield station.....	133
28 8	Riversdale ".....	125
32 0	Northfield road crossing.....	165
33 0	Indian Brook, bed, 181; rail.....	84
33 9	New Geometry station (summit).....	290
37 3	La Have River, bed, 173; rail.....	190
39 0	Beag Brook, bed, 268; rail.....	272
41 0	Cherryfield station.....	327
45 0	Springfield ".....	551
47 2	Ridge Road ".....	576
52 0	Dalhousie ".....	643
52 3	Summit.....	644
56 4	Nictaux River, water, 567; rail.....	577
62 0	Albany station.....	573
64 0	Alpena ".....	534
69 3	Nictaux ".....	150
71 9	Annapolis River, bed, 17; rail.....	59
72 8	Dominion Atlantic switch.....	78
73 3	Middleton, junction with Dominion Atlantic Railway.....	73
Miles from Sand Point	NOVA SCOTIA SOUTHERN RAILWAY (projected)	
0 0	Sand Point, grade.....	16
4 5	Shelburne, Clement St., grade.....	69
8 0	Purney Brook, water, 59; grade.....	54
9 0	Summit (wood road crossing), ground, 114; grade.....	105
10 2	Jordan River, water, 17; grade.....	25
14 0	Brook, bed, 160; grade.....	164
17 0	Summit.....	282
18 9	Sable River, water, 176; grade.....	185
21 4	Cooper Trap, water, 214; grade.....	222
22 9	Summit (Blue Hill road crossing).....	283
24 2	Tom Tidney River, bed, 215; grade.....	249
28 0	Summit, ground and grade.....	320
30 6	Broad River, water, 291; grade.....	295
36 4	Summit, ground and grade.....	350
38 0	Liverpool River ('Indian gardens'), high water, 296; low water, 254; grade.....	270
42 7	Burnaby Brook, bed, 271; grade.....	276
44 0	Summit, ground, 309; grade.....	306

ALTITUDES IN CANADA

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	Miles from Sand Point	NOVA SCOTIA SOUTHERN RAILWAY (projected)	Elevation
3	15.0	Sixteen-mile Brook, water, 276; grade.....	279
5	50.4	Martin Lake Brook, water, 247; grade.....	254
7	54.6	Caledonia, post road.....	308
2	54.7	Summit.....	313
6	56.8	Port Medway River, water, 254; grade.....	265
5	57.2	South Brookfield village.....	293
0	58.5	Malaga road crossing.....	279
4	62.0	Sunmit, ground, 342; grade.....	335
0	63.3	New Elm road crossing.....	295
1	63.8	Pleasant River, water, 285; grade.....	292
8	66.2	Kiddy Brook, bed, 341; grade.....	346
	67.8	Lake road crossing.....	369
1	68.6	Summit, ground, 363; grade.....	383
2	71.3	Hemford, public road.....	350
	73.4	Springfield road.....	307
5	74.2	New Canada road.....	276
8	75.0	End of profile; near New Germany station, Central Ry. of Nova Scotia.....	255
		NOVA SCOTIA STEEL CO.'S RAILWAY	
	Miles from Ferrona Jct.		
	0.00	Ferrona junction, with Mulgrave branch, Intercolonial Railway.....	129
9	0.47	West Branch East River of Pietou, water, 65; bed, 63; rail.....	107
0	0.79	Petroun siding.....	115
4	2.73	East River of Pietou, water, 120; bed, 118; rail.....	143
4	4.79	Springville siding.....	182
0	5.19	Lime Quarry siding.....	164
0	6.12	Cameron Mine.....	184
4	6.46	Bridgville station.....	177
3	6.93	McDonald Mine siding.....	189
3	7.61	Charcoal junction.....	191
5	8.81	St. Paul siding.....	206
5	10.79	Black Rock.....	207
3	12.51	Sunnybrae station.....	267
		CUMBERLAND RAILWAY AND COAL CO. (SPRINGHILL AND PARRSBORO RY.)	
	Miles from Parrsboro		
	0.0	Parrsboro station.....	21
6	4.0	Lakeland.....	67
3	5.0	Summit.....	84
4	5.1	Jeffers siding.....	82
7	7.9	Switch.....	64
3	9.3	Newville station.....	66
4	12.2	Westbrook.....	108
9	14.5	Gravel pit siding.....	162
9	15.1	Southampton station.....	112
8	16.0	Lawrence siding.....	115
3	17.8	Maegan River, rail.....	134
	17.9	East Southampton and Mapleton stations.....	133
	19.9	Etter road crossing.....	167
	20.8	Siding.....	198
5	23.2	Mountain road siding.....	323
9	24.0	Springhill road crossing.....	368
5	26.3	Connection with line to Springhill junction.....	491
		Springhill Mines station.....	448
5	28.5	Stream crossing, rail.....	287
4	29.4	Summit.....	322
2	30.9	Springhill junction, with Intercolonial Railway, 120.91 miles from Halifax.....	199
		COAST RAILWAY	
	Miles from Yarmouth		
	0.0	Yarmouth station.....	12
9	2.7	Summit, ground, 124; rail.....	116
7	4.9	Arsalia station.....	23
9	6.6	Summit, ground, 77; rail.....	74
3	7.0	Ferry Road station.....	54
3	9.9	Pleasant Lake.....	16
5	11.2	Tusket.....	54
	13.7	Belleville.....	53

Miles from Yarmouth	COAST RAILWAY	Elevation
16.5	Summit, ground and rail	79
19.0	Argyle station	40
21.9	Central Argyle station	49
24.4	Lower Argyle "	66
26.7	Summit, ground, 89; rail	74
28.0	Pubnico station	10
30.7	East Pubnico station	11
34.0	Lower East Pubnico station	11
35.5	Summit, ground, 71; rail	64
37.6	Upper Woods Harbour station	50
41.6	Woods Harbour "	36
43.8	Shag Harbour "	59
49.7	Barrington Passage "	50
<i>Proposed Extension</i>		
55.9	Summit, ground, 82; grade	76
56.8	Clements pond, water, 61; grade	66
60.7	Port Clyde	26
61.0	End of profile at proposed crossing of Clyde River (tidewater), grade	14
Miles from Hawkesbury	INVERNESS AND RICHMOND RAILWAY	
0.0	Hawkesbury, junction with Intercolonial Ry., Cape Breton branch	28
4.5	Hastings station	8
12.1	Craigsmuir, road crossing	82
12.7	Summit	110
15.7	Craigmore	75
17.7	Long Point station	39
20.4	Campbell Point station	25
25.0	Judique station	8
27.5	Little Judique station	6
30.5	Summit	110
32.1	Glenarry station	65
42.5	Port Hood station	65
36.3	Summit, ground 234; rail	221
37.2	Middle Bridge station	213
39.6	Southwest Mabou station	83
44.5	Mabou station	46
45.7	Mabou River, tidewater; rail	8
47.0	Mabou and Hillsboro road crossing	14
50.8	Summit	214
51.8	Glen Dhu or Alexander station	216
55.3	Black River station	294
56.0	Lake Ainslie, water	188
57.3	Summit, ground 204; rail	199
59.4	Strath Lorne station	115
64.1	Broad Cove, end of profile	52
Miles from Sydney	SYDNEY AND LOUISBURG RAILWAY	
0.0	Sydney, junction with Intercolonial Ry., Cape Breton branch, 91.1 miles from Pt. Tupper	7
	Sydney, shipping pier	42
4.0	Grand Lake station	162
6.6	Old Tank "	71
8.6	Gardener "	71
10.0	Dominion "	74
12.0	Bridgeport "	72
13.8	Glace Bay "	72
20.3	Merpen junction	121
21.5	Coal wharfplant	60
24.5	Horneville station	94
28.0	Mira "	12
31.8	Catalone "	57
37.8	Louisburg "	54
	" shipping pier	42

SYDNEY AND LOUISBURG RAILWAY		Elevation
<i>Spor lines</i>		
	Reserve mine, 2.0 miles from Dominion station	172
	Hub mine, 0.8 miles from main line	120
	Caledonia mine, 9.75 miles from main line	83
	Morion station, 1.0 mile from Morion junction	164
<i>Trial line, abandoned</i>		
Miles from Sydney		
0.0	Sydney, end of pier, grade	27
4.3	Summit, ground, 138 "	131
5.8	Depression " 97 "	124
7.3	Summit, ground and grade	202
9.2	Reserve junction	141
10.2	Schroter Pond junction	164
11.6	Summit, ground and grade	146
13.2	Glace Bay road	97
14.1	Cow Bay " "	73
17.1	Black Brook, bed 29; grade	37
18.9	Mira	20
21.7	Summit, ground, 118; grade	111
23.6	Catalonia Lake, grade	6
26.6	Summit, ground and grade	135
31.2	Louisburg, grade	28
CANADIAN COAL AND RAILWAY CO.		
Miles from Maxau		
0.00	Maxau, junction with Intercolonial Railway, 130.92 miles from Halifax	31
0.34	Maxau River, bed, 7; high water, 29; low water, 24; rail	34
3.29	Summit, ground, 218; rail	216
7.00	River Helbert, extraordinary high water (Oct. 18, 1887), 21; high water, 18; low water, 3; rail	27
7.15	River Helbert station	29
10.20	Summit, ground and rail	191
11.60	Juggins station	58
NEW BRUNSWICK AND PRINCE EDWARD ISLAND RY.		
Miles from Sackville		
0.00	Sackville, junction with Intercolonial Railway, 147.89 miles from Halifax	26
2.28	Middle Sackville station	26
3.58	Upper Sackville " "	36
7.10	Midge	75
9.42	Summit, ground and rail	128
11.80	Brooklyn station	85
14.07	Summit, ground, 119; rail	117
15.00	Cobourg Brook, bed, 50; rail	61
17.70	Basie Verte station	19
17.95	Verte River, bed, 0; rail	9
19.86	Gaspereau River, bed, -4; rail	15
20.00	Port Elgin station	16
23.00	Hardy Corner " "	57
25.50	Summit, ground and rail	146
27.00	Barry Brook, bed, 85; rail	57
27.20	Melrose station	101
28.00	Summit, ground and rail	129
30.56	Oulton station	72
32.29	Lanes Quarry station	36
35.45	Cape Tormentine wharf	13
	Strait of Northumberland, high water, neap tide, 2.5; spring tide	4.5

Miles from Tidnish	CHIGNECTO MARINE TRANSPORT RAILWAY (abandoned)	Elevation
0 0	Tidnish dock, extreme high tide, 7 82; ordinary high tide, 2 82; average low water.....	2 82
1 0	Natural surface of ground, 65 7; grade.....	29 8
3 7	" " 65 8 "	33 8
6 0	" " 16 0 "	22 2
7 0	" " 41 0 "	33 5
9 2	" " 41 6 "	24 8
10 0	" " 24 1 "	27 2
11 0	" " 43 9 "	37 8
12 0	" " 46 7 "	39 4
13 5	" " 42 7 " (summit).....	43 9
14 0	" " 22 3 "	26 8
17 0	Fort Lawrence dock, high water spring tide, 21 8; neap tide, 14 8; ordinary low water.....	18 6
	Bay of Fundy, highest tide recorded (Saxby tide, Oct. 5, 1869), range 57 61; high water at flood.....	28 82
Miles from Gibson	CANADA EASTERN RAILWAY	
0 0	Gibson wharf.....	25
1 8	Gibson, junction with Canadian Pacific Railway, Gibson branch.....	35
2 4	Marysville station.....	39
4 0	Naskwaik River, bed, 18; rail.....	41
5 5	Summit, ground, 91; rail.....	76
6 4	Penniac station.....	61
6 6	Penniac stream, bed, 20; rail.....	47
9 4	Manzer station.....	61
11 4	Naskwaik ".....	67
13 4	Durham ".....	84
13 6	Sloat Brook, bed, 51; rail.....	67
16 8	McBean Brook, bed, 82; rail.....	96
18 0	Zanyville station.....	132
22 3	McCallum Brook, bed, 125; rail.....	141
22 7	Covered Bridge station.....	159
24 7	Cross Creek ".....	296
25 0	Cross Creek, water, 177; rail.....	194
29 5	" " bed, 307; rail.....	315
29 7	Upper Cross Creek station.....	324
33 6	Summit.....	566
36 7	Clearwater station.....	485
38 7	Clearwater Brook, bed, 435; rail.....	447
41 2	Astles station.....	479
42 3	Summit.....	532
47 2	Boiestown station.....	210
47 5	Burnt Land Brook, bed, 154; rail.....	193
51 1	Ludlow station.....	151
57 1	McNamee ".....	133
58 8	Carroll ".....	290
69 5	Stream (crosses near mouth), bed, 84; rail.....	192
63 2	Duckton station.....	101
64 0	Southwest Miramichi River, water, 72; bed, 63; rail.....	89
67 4	Blissfield station.....	226
69 7	Summit, ground, 342; rail.....	340
78 1	Upper Blackville station.....	211
84 3	Moore Brook, bed, 21; rail.....	40
87 1	Blackville, junction with Indiantown branch.....	66
108 0	Chatham junction, with Intercolonial Ry., 258 03 miles from Halifax.....	120
113 7	Nelson station.....	127
116 6	Chatham station.....	39
118 6	" wharf.....	7
Miles from Nelson June.	CANADA EASTERN RAILWAY—LOGGIEVILLE BRANCH	
0 0	Nelson junction.....	84
4 4	Loggieville station.....	33

ALTITUDES IN CANADA

Miles from Blackville	CANADA EASTERN RAILWAY—INDIANTOWN BRANCH	Elevation
0 0	Blackville, junction with main line 87 1 miles from Gibson	56
0 5	Bartholomew River, water, 43; rail	50
1 0	Summit (at post road crossing)	186
7 3	Renous River, high water, 39; low water, 24; rail	64
8 4	Indiantown Brook, water, 13; rail	32
8 5	Indiantown, junction with Indiantown branch, Intercolonial Ry.	59
Miles from Harvey Br. June	ALBERT SOUTHERN RAILWAY	
0 0	Harvey Branch junction, about	8
2 4	Germantown road crossing, about	6
8 9	Turners mills, road crossing	146
11 7	Summit, ground, 438; rail	424
14 0	Cleavelands mill	227
14 7	Kennedy's mill	163
15 2	Foster's	139
16 2	Alma station	24
Miles from Havocock	ELGIN AND HAVELOCK RAILWAY	
0 0	Havelock station	294
2 4	Stoves Settlement station	284
4 5	Killams Mill	295
6 0	Wheatons Mill	232
7 3	Fawcett Hill	146
9 3	North River, water, 101; rail	122
9 5	Intery-de station	124
12 2	Pettosolac River, water, 73; rail	88
12 5	Pettosolac, junction with Intercolonial Ry., St. John branch, 22.79 miles from Moncton	190
Miles from Moncton	BUCTOUCHE AND MONCTON RAILWAY	
0 0	Moncton wharf	29
0 0	Moncton station	39
0 9	Humphrey Brook, bed, 15; rail	31
1 8	Intercolonial Railway, main line, crossing 183.59 miles from Halifax	73
3 0	Moncton waterworks reservoir, bed, 141; rail	164
5 1	Summit, ground, 296; rail	255
6 6	Irishtown station	257
10 0	Cape Breton	129
10 2	Shediac River, bed, 97; rail	139
11 8	St. John Settlement station	129
14 0	McDonnell Brook, bed, 119; rail	147
15 0	McDonnell station	195
15 5	Summit, ground and rail	269
18 2	Notre Dame station	89
18 7	Couagne	62
18 9	Couagne River, water, 21; bed, 19; rail	60
21 3	Meadow Brook, bed, 99; rail	116
23 2	St. Anthony station (summit), ground, 189; rail	187
27 5	Little River	63
27 7	Little Buctouche River (tidewater), rail	46
31 0	Buctouche River, high water, 2; rail	21 5
31 4	Buctouche station	17 5
31 8	Buctouche wharf	12 5
Miles from Norton	CENTRAL RAILWAY OF NEW BRUNSWICK	
0 0	Norton, junction with Intercolonial Ry., St. John branch, 56.50 miles from Moncton	53
0 2	Kennebecasis River, water, 34; bed, 16; rail	48
3 4	Case Settlement station, (summit)	272
6 6	Belleisle Creek, high water, 142; bed, 133; rail	165
7 4	Belleisle station	216
9 0	Sargisson Brook, bed, 263; rail	318
12 6	Summit, ground, 554; rail	544

Miles from Norton	CENTRAL RAILWAY OF NEW BRUNSWICK	Elevation
14.0	Amable station	524
17.0	Salmon Brook, bed, 228; rail	259
19.9	Cody Brook, bed, 40; rail	72
20.0	Washadenook station	79
20.6	Washadenook Lake, high water, 21; low water, 10; rail	36
25.4	Young Cove station	216
26.3	Summit, ground and rail	241
27.9	Young Cove Brook, bed, 142; rail	147
30.2	Wasson Brook, bed, 43; rail	54
33.4	Cumberland Creek, rail	44
33.8	Cumberland station	54
35.7	Summit, ground and rail	178
37.2	Coal Creek station	61
38.3	Coal Creek, high water, 17; water, 14; rail	25
39.0	Pemalin station	47
42.2	Summit, ground and rail	176
44.5	Chipmunk station	36
44.7	Salmon River, high water, 20; water, 5; rail	28
46.0	McCallum Brook, bed, 33; rail	33
47.0	Summit, rail	79
49.1	Ironbound Cove, bed, 5; rail	36
52.6	Summit, ground and rail	189
56.6	Newcastle Brook, high water, 49; water, 14; rail	64
56.8	Newcastle station	64
58.3	O'Leary Brook, bed, 129; rail	145
59.3	End of profile	204
Miles from St. John West	SHORE LINE RAILWAY	
0.0	St. John West station	15
	Spence Lake, water	297
	Summit near Spence Lake, rail	295
	Pauch Brook bridge, rail	117
	Musquash marshes, rail	17
	Ghost Lake road	124
	Little Lepreau River bridge, rail	81
24	Lepreau station	80
26	Shaw road crossing	117
	Shaw Brook bridge, rail	129
	Summit, rail	201
	New River bridge, rail	167
29	Road crossing near New River bridge	180
	Popogogan River bridge, rail	192
	Pennfield road crossing	232
	Marsh near Little Popogogan, rail	215
	Summit, rail	237
	Summit near small pond, rail	237
	Depression, one mile east of Crow Harbour road, rail	193
	Crow Harbour road crossing	237
38	Pennfield station	228
	Woodward Lake, rail	247
	Summit just west of Woodward Lake, rail	274
41	Mineral springs, rail	217
42	Spets mill road crossing	228
44	Lake road (Ri-olan) crossing	198
47	St. George station	87
	Foot of Toke Mountain, rail	72
	Magnusdavic River bridge, rail	68
	Opposite Burpee's quarry, rail	58
53	Many River station	72
	Clarens Brook, bridge, rail	134
	McAlcman road crossing	177
	Digbygush River bridge, rail	169
	McMinn road crossing	225
	Schoel house crossing	274
	Old Fredericton road crossing	201
68	Canadian Pacific Ry., St. Andrews branch, crossing	274
	West Wausag	172
	Berry's road crossing	154

SHORE LINE RAILWAY		Miles from
		St. John West
109	Rock Bay station	77
98	Foot road crossing, west of Hanson corner	
75	New road crossing, near Hanson's farm	81.5
40	St. Stephen station	87.5
17		
ST. LOUIS AND HIGHBERTO RAILWAY		Miles from
		Highbert
30	Highbert, junction with Kent Northern Railway	0
29	Little Northwest River, water, 21 rail	2.6
25	Little Northwest road crossing	7.4
20	Northwest of Alabama River, water, 41 rail	14.0
25	Samuel's ground and rail	6.5
67	Highberton station	7.0
GARVAGEET RAILWAY		Miles from
		Mississauga
109	Garveston junction, with Intercolonial Railway, 207.03 miles from Halifax	0.0
69	Halifax station	4.7
43	Base River, incl., 11.1 rail	8.0
39	Base River station	8.1
13	Malin Brook	11.8
22	Malin Brook, incl., 2.1 rail	13.9
23	Langley Brook, incl., 29.1 rail	17.0
14	Langley	14.7
11	Langley	14.9
17	Garveston Mill Brook, incl., 27.1 rail	15.7
12	Langley road crossing	17.0
10	Stonewall station	17.4
16	Stonewall station	22.4
17	New Harbour station	23.7
23	Highberton station	25.8
62	Highberton station	27.9
79	Garveston	29.0
102	St. Stephen	31.8
30	Garveston River, incl., 18.1 rail	30.4
30	Garveston station	30.5
41	Highberton	41.1
43	Langley Brook, high water flow, 16, 1987, 31 rail	43.4
48	Garveston station	48.1
52	St. Simon River, water, 21 rail	52.8
37	St. Simon station	54.5
60	Highberton station	60.0
66	End of track	66.3
GULF SHORE RAILWAY		Miles from
		Peterborough
0	Highberton, junction with Canaper Railway	0.0
1	Highberton River (Highwater), rail	1.1
11	South River, water, 2.1 rail	7.0
20	Simon's ground, 29.1 rail	21.1
19	Little Tropic River (Highwater), rail	19.9
11	Highberton	11.0
ESTEROCHIE AND WESTERN RAILWAY		Miles from
		Comberston
0	Comberston, junction with Intercolonial Railway, north line, 271.02 miles from Halifax	0.0
40	Simon's	40.0
159	Simon's road crossing	159.0
206	Simon's, ground, 272.1 rail	206.0
6	Garveston road crossing	6.0
9	Garveston road crossing	9.0
2	Highberton Brook, high water, 129.1 rail	2.2
14	Highberton road crossing	14.0
11	Simon's ground, 29.1 rail	11.0
13	Highberton Brook, high water, 129.1 rail	13.0
17	Simon's ground, 29.1 rail	17.0
131	End of profile	131.0

Miles from Fredericton	ST. JOHN VALLEY AND RIVER DU LOUP RY. (projected)	Elevation
0 0	Fredericton, Canadian Pacific Railway station.....	41
5 4	Springhill P.O., grade opposite.....	37
7 2	McIntosh Brook, bed, 20; grade.....	33
9 4	Lower French village, grade opposite.....	42
11 1	Indian village.....	36
17 4	Kelly Brook, water (St. John River) 32; bed, 24; grade.....	67
21 9	Lower Prince William village, grade.....	63
28 0	Grade opposite head of Garden Island.....	71
33 2	Tapley bar.....	79
38 9	Hawkeshaw P.O., grade.....	86
40 2	Pokiook River, bed, 63; grade.....	121
44 3	Shogamoos River, bed, 80; grade.....	95
47 4	Sullivan Creek, bed, 83; grade.....	110
50 5	Lenoutine ferry road crossing, grade.....	123
52 6	Canterbury village, grade.....	122
52 9	Eel River, bed, 94; grade.....	113
60 5	Bull Creek, bed, 114; grade.....	131
65 5	Woodstock, near old station of Canadian Pacific Railway.....	175

Miles from Metapedia	ATLANTIC AND LAKE SUPERIOR RAILWAY—BAIE DES CHALEURS DIVISION	Elevation
0.0	Metapedia, junction with Intercolonial Ry., 385.78 miles from Halifax	33
4.5	Sellers Creek, water, 13; rail	25
7.0	Risopé station	25
9.0	Little River, high water, 14; rail	17
9.8	Broadlands station	26
12.9	Cross Point	30
13.0	Little River de Loup, water, 24; rail	30
16.2	Chk Bay station	31
22.2	Poinette la Garde station	49
26.7	Escuminac " "	29
26.8	Escuminac River, bed 7; rail	23
29.8	Summit, rail	258
32.4	Nouvelle West station	80
33.1	Nouvelle River, bed, 48; rail	61
35.4	Nouvelle station	53
40.9	Stewart Brook, bed, 20; rail	33
44.4	Carleton station	57
48.6	Maria Capes station	127
51.1	Cipoux " "	25
52.6	Maria " "	25
57.8	Uristown " "	165
60.2	Grand Caspédia River, bed, 2; rail	37
60.5	Caspédia station	48
65.5	Summit, ground, 25; rail	212
64.7	Grosse Lake station	172
67.4	New Richmond station	53
68.0	Little Caspédia River, bed, 3; rail	19
71.7	Black Cape station	80
73.2	Summit, ground, 14; rail	154
75.7	Caplin River, bed, 3; rail	54
76.0	Caplin River station	54
78.4	Caplin station	92
82.0	Russau Blanc, bed, 1; rail	58
84.8	Little Bonaventure River, bed, 2; rail	46
83.0	Bonaventure station	54
89.9	Bonaventure River, bed, 19; rail	71
91.6	Cullen Brook, bed, 16; rail	25
98.0	New Carlisle station	9
	ATLANTIC AND LAKE SUPERIOR RY.—GREAT EASTERN RY.	
Miles from Sorel	<i>Sorel to St. Francis</i>	
0.0	St. Lawrence River, at Sorel	47
0.0	Sorel station	49
0.5	Coal siding switch	42
2.5	River Métais, bed, 34; rail	42
3.7	La Plante River, bed, 24; rail	42
6.8	St. Robert station	42
10.5	Yamaska West station	53
10.6	Yamaska River, high water, (1892) 34; water (May, 1892), 17; bed, 7; rail	56
10.9	Yamaska East, junction with Canadian Pacific Ry., Drummondville branch (dissolved)	53
15.2	St. Anne road crossing	71
17.0	St. Francis station	81
Miles from Nicolet	<i>Nicolet to St. Gregoire</i>	
0.0	Nicolet station	61
6.4	St. Gregoire, junction with Three Rivers branch, Grand Trunk Railway	82
Miles from St. Francis	<i>Projected Line between St. Francis and Nicolet</i>	
0.4	River St. Francis, high water, 36; low water, 17; bed, 10; grade	76
0.5	Pierreville village	76
3.9	Road crossing	72
5.7	Lemire gully, water, 35; bed, 32; grade	97
7.1	La Baie village	80
11.9	Road crossing (proposed station)	72
14.8	Nicolet River, high water, 35; low water, 10; bed, 8; grade	61

Miles from Lachute	ATLANTIC AND LAKE SUPERIOR RAILWAY—OTTAWA VALLEY DIVISION	Elevation
0 00	Lachute, junction with Canadian Pacific Ry., main line, 44.9 miles from Montreal	229
4 11	Road crossing	294
6 67	St. Andrews station	163
Miles from Riv. du Loup	TEMISCOUATA RAILWAY	
	Riv. du Loup, junction with Intercolonial Railway, main line, 559.39 miles from Halifax	316 7
0 00	Junction switch	325
9 46	Riv. du Loup, high water, 299; low water, 392; rail	317
3 00	Temiscouata road crossing	355
4 73	Green River, high water, 498; rail	421
6 73	St. Modeste station	545
9 81	Riv. des Rocles, bed, 735; rail	736
13 35	Summit, ground, 900; rail	893
13 91	St. Francis station	886
16 81	St. Francis River, water, 838; bed, 846; rail	866
17 18	Taché road crossing, rail	908
24 60	Summit, ground, 1327; rail	1,324
26 95	St. Honoré station	1,392
32 63	Road crossing	1,630
33 50	Summit, at road crossing, ground 1,672; rail	1,667
37 40	St. Louis de Ha Ha station	823
40 25	Little River, bed, 640; rail	650
42 70	Fort Ingalls station	561
43 74	Cabano River, bed, 474; rail	496
59 45	Notre Dame du Lac station	517
	Temiscouata Lakes, ordinary water	482
60 20	Ste. Rose station	504
64 06	Otterburn "	505
69 11	Boundary between Quebec and New Brunswick	497
72 90	St. Jacques station	478
78 59	Madawaska River, water, 453; rail	480
89 91	Edmundston, junction with Canadian Pacific Ry., Edmundston branch	474
Miles from Edmundston	TEMISCOUATA RAILWAY—ST. FRANCIS BRANCH	
0 0	Edmundston, junction with main line	474
0 6	Madawaska River, bed, 433; rail	470
3 4	Three-mile Brook, bed, 461; rail	462
6 8	Six-mile Brook, bed, 464; rail	513
8 1	St. Hiluire station	508
13 5	Baker Brook, low water, 474; rail	492
13 7	Baker siding	492
17 5	Caron Brook, bed, 489; rail	498
29 3	Clair station	540
22 5	Levasseur Brook, bed, 501; rail	516
25 0	"The Lodges"	532
37 7	Little River, bed, 513; rail	524
31 6	Comons station	529
Miles from Lemnoxville	BOSTON AND MAINE RAILROAD	
0 0	Lemnoxville, junction with Grand Trunk Ry., 101.10 miles from Montreal	499
5 0	Capelon station	493
	Eustis "	499
10 0	North Hatley station	538
	Massawippi "	536
18 0	Avon Flats "	554
24 0	Labbys Mills "	559
28 0	Smiths Mills "	613
31 0	Stanstead junction	748
	North Ferry station (International boundary)	710

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	Miles from Sherbrooke	QUÉBEC CENTRAL RAILWAY—MAIN LINE	Elevation
	0.0	Sherbrooke, junction with Grand Trunk Ry., 104.2 miles from Montreal	485
	0.9	St. Francis River, water, (April 29, 1889) 473; rail	508
	1.3	Newington station	527
	7.7	Montion Hill summit	710
	10.4	Assé station	651
	11.8	Sand Hill summit	678
	13.7	Westbury station	659
	14.6	Westbury tank	647
	16.8	East Angus station	674
	19.8	Rush	695
	22.4	Everett siding	700
	25.5	Dunswell junction, with Maine Central R. R.	697
	26.1	Dunswell station	686
	27.1	Marlinton bridge, bed, 661; rail	671
	27.6	Marlinton station	684
	29.2	Fréchet M.H. station	700
	35.3	Weedon grade, summit	882
	36.9	Weedon station	815
	38.8	Deak Brook, high water, 805; bed, 790; rail	809
	39.1	Weedon tank	814
	41.4	Lake Weedon station	833
	45.5	Gardthly bridge, high water, 816; bed, 803; rail	820
	47.4	Gardthly station	825
	49.5	Lake Aylmer, high water	816
	49.8	St. Isidore bridge, high water, 817; bed, 820; rail	822
	52.7	St. Isidore station	829
	57.6	Coleraine	869
	58.4	Black Lake	940
	57.3	Chertsey	1,026
	69.3	Busford bridge, bed, 1,948; rail	1,063
	73.0	Rosemont station	1,295
	77.3	Broughton tank	1,141
	78.4	Broughton station	1,196
	82.9	Summit	1,231
	83.6	East Broughton station	1,224
	89.4	Tring	1,135
	89.4	River des Fermes, bed, 1,037; rail	1,053
	93.6	Tring and Mégantic junction, with Tring and Mégantic branch	1,030
	92.3	St. Fédéric station	883
	98.6	Claudière River, high water, 486; bed, 455; rail	491
	98.7	Beauce junction, with St. Francis branch	491
	99.2	Beauce tank	487
	104.6	St. Mary station	479
	110.3	Scott	475
	116.3	Stc. Henedine station	646
	117.9	Summit	656
	120.7	River Echennin, high water, 593; low water, 486; rail	524
	121.8	St. Amelme station	506
	124.0	Summit	526
	129.0	St. Henryville station	292
	132.0	St. Henry, junction with Intercolonial Ry., Claudière branch	297
	137.8	Harfala, junction with Intercolonial Railway, main line, 689.20 miles from Halifax	335
	140.9	St. Joseph de Lévis station	142
	142.4	Lévis station	15
		Miles from Beauce	
	0.0	Beauce junction, with main line, 98.7 miles from Sherbrooke	491
	1.3	Temps Perdu, high water, Claudière River, 486; rail	480
	4.7	St. Joseph station	480
	9.3	Colway Brook, bed, 470; high water, 492; rail	480
	10.0	Des Plantes station	480
	10.4	La Plante River, bed, 479; high water, 463; rail	480
	11.0	Le Rocher station	494
	11.0	Le Rocher Brook, high water, 494; rail	494
	14.5	St. Francis station	357

Miles from Tring and Megantic Jet.	QUÉBEC CENTRAL RY.—TRING AND MEGANTIC BRANCH	Elevation
0 0	Tring and Megantic junction, with main line, 99.6 miles from Sherbrooke	1,050
1 3	Summit	1,083
3 8	River des Ormes, bed, 986; rail	1,000
6 0	Brook, bed, 908; rail	920
7 3	Brook, water, 799; rail	819
8 6	Road crossing	785
10 0	Le Bras River, high water, 690; water, (June, 1891); 694; rail	715
10 4	St. Victor de Tring station	722
12 6	Brook, bed, 632; rail	710
14 0	Le Bras River, high water	708
16 1	" " " 711; water, (June, 1891) 705; rail	719
16 5	St. Ephrem station	729
19 3	Road crossing	818
19 7	Brook, bed, 824; rail	832
21 4	St. Evariste station	999
25 4	Road crossing	1,021
29 0	Cosselin Brook, bed, 1,100; rail	1,108
30 0	Summit	1,128
32 3	Lambton station	1,045
32 5	East Branch Blueberry River, water, 1,017; rail	1,051
32 7	Blinet River, water, 1,019; rail	1,055
36 5	Blueberry River, high water, 1,200; rail	1,215
42 0	Road crossing	1,337
43 0	Savage River, water above dam, 1,545; rail	1,562
45 3	Summit, ground, 1,701; rail	1,686
49 7	Ste. Cecile station	1,667
53 0	Road crossing	1,511
54 5	Moose River, extreme high water, 1,354; bed, 1,348; rail	1,368
60 2	Megantic junction with "Short Line" Canadian Pacific Ry., 206.0 miles from St. John	1,314
	Leke Megantic, extreme high water	1,333
Miles from Dudswell Jet.	MAINE CENTRAL RAILROAD	
0 00	Dudswell junction, with Quebec Central Ry., main line, 255 miles from Sherbrooke	697
3 15	St. Francis River, water, 643; rail	665
4 83	Brookbury station	716
5 19	Salmon Brook, water, 705; rail	717
7 52	Summit, rail	802
9 78	Gravel pit, rail	775
11 85	Eaton River, water, 630; rail	665
12 25	Canadian Pacific Ry. "Short line" crossing, 333.0 miles from St. John	676
12 45	Coalshire station	679
16 85	Eaton Corner station	800
17 83	Sawyer Brook, bed, 789; rail	887
19 67	Sawyer ville station	884
24 90	Clifton River, bed, 987; rail	951
25 67	Clifton station	1,124
27 25	Doncaster "	1,244
30 64	St. Melo "	1,261
31 91	Summit	1,288
32 91	Aukland stations	1,322
31 42	Melville "	1,442
37 43	Hall Stream, bed, 1,347; rail	1,358
38 02	" " " 1,311; "	1,332
39 00	Piquetteville station	1,231
42 77	East Hereford siding (gravel pit)	1,164
43 31	Hall Stream, bed, 1,159; rail	1,188
44 00	" " " 1,114; "	1,124
44 27	East Hereford station	1,117
48 25	Hereford station	1,085
48 43	International boundary, rail	1,089
Miles from Lyster	LOTBINIERE AND MEGANTIC RAILWAY	
0 0	Lyster village, 2.7 miles from station	433
	Lyster, junction with Grand Trunk Ry., Quebec branch, 135.97 miles from Montreal	446

Miles from Lyster	LOTBINIERE AND MEGANTIC RAILWAY	Elevation
2.3	Summit.....	472
8.9	Lourdes station.....	412
11.6	Brossard Mill station.....	422
12.9	Kingsburg, junction with Intercolonial Ry., main line, 729.17 miles from Halifax.....	385
13.3	River Creuse, bed, 269; rail.....	275
17.1	Ground and rail.....	340
23.1	Stc. Philomène station.....	268
24.1	River aux Ormes, bed, 160; rail.....	176
25.9	Parisville station.....	173
27.9	River du Champ, water, 58; bed, 43; rail.....	115
29.7	St. Jean des Chailions station, end of track.....	145
29.8	Levasseur's wharf, floor level.....	16.5
	St. Lawrence River at St. Jean des Chailions, high water.....	13
Miles from Eastman	ORFORD MOUNTAIN RAILWAY	
	Eastman, junction with Canadian Pacific Ry., "Short line," 493.1 miles from St. John.....	911
0.0	Eastman, O. M. Ry. station.....	822
3.4	Brook, outlet of Orford Lake, bed, 813; rail.....	829
7.3	Black River, bed, 771; rail.....	774
8.1	North Straits station.....	754
9.5	Lawrenceville.....	795
9.5	Black River, southwest of Lawrenceville station, water.....	692
13.8	Valcourt station.....	727
17.1	Brandy Creek, bed, 809; rail.....	884
17.5	Racine station.....	897
19.9	Summit.....	922
20.2	Flodden station.....	889
21.9	McBourne Ridge station.....	822
22.4	Miller Creek, bed, 771; rail.....	784
26.5	Kingsbury station.....	549
26.5	Salmon River (Williamson pond) at Kingsbury, water.....	520
Miles from Eastman	MISSISSQUOI AND BLACK RIVER VALLEY RAILWAY	
	<i>(Operated in summer by Orford Mountain Railway, for freight only, between Eastman and Bolton Centre)</i>	
0.00	Eastman station, junction O.M. and old Waterloo and Magog railways.....	822
2.00	Bolton Junction.....	812
2.92	Bolton Mines, (Huntingdon copper mines) water, North Branch Mississquoi River, 805; rail.....	812
4.40	Outlet of Long Pond, water, 796; rail.....	811
4.40	Long Pond, about 0.20 mile east, water.....	812
7.11	North Branch Mississquoi River, water, 762; rail.....	776
7.34	Bolton Centre (terminus of operated line).....	768
	<i>Line between Bolton Centre and Mansonville (disused)</i>	
7.53	North Branch Mississquoi River, bed, 731; rail.....	761
10.35	South Bolton P. O., track opposite.....	711
11.97	End of rails.....	686
15.13	Mississquoi River crossing, water.....	586
17.72	Mansonville, road crossing at north end of village.....	622
17.72	Mansonville pond, water.....	582
20.40	North Branch Mississquoi River, water.....	512
20.78	South " " ".....	562
20.91	Mansonville station, Canadian Pacific Ry., Newport branch, 91.09 miles from Montreal.....	516

Miles from Noyan	QUEBEC SOUTHERN RAILWAY	Elevation
0 0	Noyan, junction with Canada Atlantic Ry., 7.7 miles from Alburgh junction.	123
3 5	Clarenceville station.	122
7 3	River du Sud, water, 96; rail.	105
10 2	Henryville station.	116
11 5	Summit, ground and rail.	147
15 2	Salmovens station.	125
19 6	Barbette River, bed, 95; rail.	109
21 7	Iberville, junction with Central Vermont R. R.	105
22 5	Iberville, junction with Canadian Pacific Ry., "Short line," 49.3 miles from St. John.	115
25 3	Stream, bed, 117; rail.	139
27 1	St. Gregoire station.	155
29 4	Iberville and Rouville county-line.	133
31 6	Montreal, Portland and Boston Ry. (Central Vermont R. R.) crossing.	153
32 3	St. Angèle station.	157
33 2	Summit.	161
35 7	Central Vermont R. R., St. Cesaire branch crossing.	144
36 3	Rougemont station.	154
39 3	Caroline.	121
43 8	St. Damase.	112
45 6	Argenteuil.	113
47 5	Sts. Madeleine.	113
51 8	St. Hyacinthe.	117
60 0	St. Barthelemy.	121
61 3	St. Judo.	109
64 4	River Salvaillaie, water, 41; rail.	106
68 2	Richelieu and St. Hyacinthe county-line, road crossing.	108
70 0	St. Louis station.	103
71 5	St. Anne.	99
79 5	St. Robert.	71
82 6	La Platte Brook, water, 41; bed, 38; rail.	51
84 2	River Manois, water, 32; rail.	57
87 8	Sorel station.	71
	River St. Lawrence, at Sorel, extreme high water (1865) 32 3; low water.	43 3
Miles from Adirondack	NEW YORK CENTRAL RAILROAD—ADIRONDACK DIVISION	
0 0	Adirondack junction, with Canadian Pacific Ry. "Short line," 472.0 miles from St. John.	28 6
5 3	Chateauguay River, low water, 68 5; high water, 78 2; rail.	86
5 5	Chateauguay station.	85
6 2	River St. John, high water, 79; low water, 70; rail.	83
7 5	Woodlands station.	103
9 5	Bellefleur.	98
13 6	Beauharnois.	132
21 0	St. Timothee.	171
24 3	Sts. Coele, junction with Canada Atlantic Ry., 48.4 miles from Alburgh Junction.	150
25 4	Valleyfield station.	159
31 8	St. Stanislas.	157
34 0	New Erin.	174
38 5	Huntingdon.	167
38 6	Grand Trunk Ry., Massena Springs branch, crossing.	167
49 9	Trout Creek, bed, 139; rail.	165
42 3	Archeban station.	172
47 2	International boundary.	265
Miles from St. Lambert	SOUTH SHORE RAILWAY	
0 0	St. Lambert, junction with Grand Trunk Ry., 6.32 miles from Montreal.	74 7
2 39	Central Vermont R. R. crossing.	54
2 94	Longueuil station.	55
8 79	Boucherville.	51
12 87	River St. Charles, bed, 30; rail.	49
13 68	Varennens station.	49
21 25	Verebros.	65
29 25	Contrecoeur.	65
33 80	St. Roch.	55
36 29	Lanoraie.	84
44 56	Sorel West.	26

Station	Miles from Quebec	QUÉBEC AND LAKE ST. JOHN RAILWAY	Elevation
	0.0	Quebec station	18
	0.3	River St. Charles, high water, 9.5; low water, 7.5; rail	24
	0.5	Hedleyville, junction with Québec, Montmorency and Charlevoix Ry.	17
	1.2	Beauport Road station	26
	3.4	Charlesbourg	178
	5.9	Charlesbourg West station	252
	6.8	River des Meris, bed, 327; rail	347
	8.5	Indian Lorette station	432
	8.7	Road crossing, White-house trestle, rail	460
	12.1	River St. Charles, bed, 441; rail	528
	14.2	Valcartier station	556
	15.8	Summit, rail	581
	17.2	Jacques Cartier River, bed, 480; rail	556
	17.6	St. Gabriel station	581
	22.2	St. Catherine	517
	23.9	Lake St. Joseph station	514
	24.0	Lake St. Joseph Brook, bed, 514; rail	524
	26.0	Summit, ground 639; rail	622
	26.7	Road crossing	587
	28.3	Stream into L. Sergent, water, 515; rail	525
	28.8	Lake Sergent station	530
	31.0	Portneuf River, bed, 489; rail	513
	31.3	Boing Louis station	513
	31.8	Summit, rail	521
	35.4	St. Raymond station	452
	36.0	River Ste. Anne, high water, 411; low water, 428; bed, 424; rail	436
	38.0	Summit, ground and rail	502
	41.6	River Bombard, water, 473; bed, 460; rail	569
	42.3	Allens Mills station	564
	44.1	Jacquet River, water, 551; bed, 446; rail	441
	48.5	Lac Simon siding (summit)	832
		Lac Simon water	581
	51.1	Rivière Noir, water, 631; rail	643
	51.5	Perkins station	651
	54.5	Black River siding (summit)	869
	57.6	River Pierre junction, with Great Northern Ry.	716
	57.8	River Pierre water, 691; rail	698
	61.1	Northwest Branch River, water, 733; rail	741
	64.7	Falbot station	970
	65.5	Summit, rail	712
	70.0	Laurentides station	822
	76.9	Méggie	837
	76.4	Méggie River, water, 818; rail	832
	86.1	Beaudet station	882
	87.5	Battiscon River, water, 959; bed, 946; rail	981
	93.9	Lake aux Régions River, bed, 1,193; rail	1,352
	94.0	Stadacou station	1,204
	97.4	Summit, ground, 1,253; rail	1,215
	102.1	Pearl Lake station	1,132
	102.4	Pearl Lake, water	1,125
	107.0	Beaver Pond summit, ground, 1,215; rail	1,214
	108.0	Tribun Châli station	1,172
	108.2	North Branch Battiscon River, high water, 1,146; low water, 1,159; bed, 1,193; rail	1,165
	110.6	Northeast Branch Battiscon River, Falls crossing, water, 1,186; bed, 1,178; rail	1,189
	112.9	Lake Edward station	1,195
	113.1	Horn Creek, water, 1,187; bed, 1,182; rail	1,195
	114.2	Lake Edward, water	1,186
	119.9	Carlson Lake, water	1,202
	122.5	Summit, between Battiscon and St. Maurice waters, ground, 1,453; rail	1,457
	123.5	Mirror Lake, water	1,423
	125.0	Lake Edward summit siding (highest point on the line), rail	1,415
	134.8	Kiskinik station	1,316
	134.8	Kiskinik River, high water, 1,301; low water, 1,290; rail	1,307
	135.8	Cedar Lake, water	1,280
	138.7	Summit, between St. Maurice and Lake St. John waters, ground and rail	1,431
	140.2	Joseph River, bed, 1,389; rail	1,337
	143.2	Joseph River, bed, 1,353; rail	1,364
	146.7	Lake Quasquamakakis, water, 1,367; rail	1,310

Miles from Quebec	QUEBEC AND LAKE ST. JOHN RAILWAY	Elevation
147.3	Summit, ground, 1,332; rail	1,330
150.5	Lac Gros Visons, water	1,260
150.7	Noisy River, bed, 1,268; rail	1,275
151.1	Commissioner Lake station	1,275
160.6	Lake-Bouchette	1,136
160.6	Noisy River, bed, 1,120; rail	1,137
161.5	Lake Ouatéhouan, water	1,917
161.2	Dablon station	980
163.6	O'Donnell siding	984
170.2	De Quen station	834
171.0	Lac a Bellay, water	815
177.1	Chambord, junction with Chisoutimi branch	559
183.7	Ouatéhouan River, bed, 322; rail	344
184.3	Ouatéhouan Falls station	346
186.3	Rebervall station	352
	Lake St. John, high water, 311; low water	314
	Pointe aux Trembles church	452
Miles from Quebec	QUEBEC AND LAKE ST. JOHN RY.—CHICOUTIMI BRANCH	
177.1	Chambord, junction with main line	550
182.2	Metabetchouan River, high water, 355; low water, 312; rail	359
182.6	Metabetchouan station	373
184.8	Summit, ground, 428; rail	425
186.4	St. Jérôme station	357
187.0	River Koshepeganish, low water, 329; bed, 318; rail	344
188.4	Summit, ground, 465; rail	392
192.0	Belle River, high water, 337; low water, 317; bed, 312; rail	350
192.1	St. Gédéon station	353
198.8	River Belard, water, 492; bed, 479; rail	522
199.0	Reberville station	313
205.7	River Dorval, bed, 515; rail	550
208.8	Summit, rail	542
209.1	River Briere, bed, 532; rail	546
216.0	Kenogami station	578
211.0	Lake Briere, water	596
211.5	Summit, ground and rail	533
212.8	Lake des Chasseurs, water	480
218.0	River aux Sables, high water, 452; low water, 447; bed, 438; rail	484
218.1	Jonquiere station	368
221.4	River Deschênes, bed, 342; rail	89
227.0	Chisoutimi River, water, 34; rail	19
228.5	Chisoutimi station	19
	Saguenay River, flood of 1886, 16.2; ordinary high water, spring tides, 10.5; ordinary low water, spring tides—10.5; ordinary low water, neap tides	—8.6
Miles from Quebec	QUEBEC, MONTMORENCY AND CHARLEVOIX RAILWAY	
0.0	Quebec, junction with Quebec and Lake St. John Ry.	18
0.6	St. Roch Nord station	17
2.6	Beaupré "	22
5.8	Montmorency "	18
6.6	Montmorency River, water 11; rail	18
9.6	Angé Gardien station	17
15.5	Chateau Richer "	17
20.5	Ste. Anne de Beaupré station	17
22.9	River Ste. Anne, bed, 3; rail	18
25.2	St. Joachim station	20
Miles from River Pierre	GREAT NORTHERN RAILWAY	
0.0	River Pierre junction, with Quebec and Lake St. John Ry.	796
3.1	River Pierre, water, 642; bed, 636; rail	652
5.2	Summit, ground, 737; rail	725
6.4	Discharge of Caribou Lake, water, 608; bed, 604; rail	612
6.6	Lake Caribou station	611
8.9	L'Étoile "	513
9.7	Batiscan River, high water, 475; bed, 458; rail	487
12.1	Notre Dame des Anges station	551
14.3	Summit, ground, 636; rail	625

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Miles from River Pierre	GREAT NORTHERN RAILWAY	Elevation
16.7	Lake aux Sables station	514
18.1	River Propre, bed, 499; rail	521
20.9	River Tawachiche, bed, 529; rail	554
22.0	Reids Camp station	597
24.2	Road crossing	462
25.2	St. Thecle station	510
29.1	Summit, ground and rail	543
32.7	St. Tite station	465
33.3	River des Envies, bed, 421; rail	467
34.8	Lower Laurentian junction	494
36.9	St. Tite junction, with Piles branch, Canadian Pacific Railway	504
40.0	Garneau, junction with Piles branch, Canadian Pacific Ry., 23.8 miles from Three Rivers	448
43.0	River St. Maurice, high water, 309; low water, 290; rail	333
43.2	Road crossing	454
47.2	Shawenigan junction, with Shawenigan Falls branch	460
49.8	Shawenigan Falls station	297
51.4	Terminus of Shawenigan Falls branch	270
48.3	Shawenigan River, water, 381; bed, 371; rail	463
48.8	Road crossing	473
55.5	St. Boniface station	419
57.7	East Branch Yamachiche River, bed, 288; rail	369
59.5	Road crossing	387
69.7	West Branch Yamachiche River, high water, 355; low water, 346; rail	388
62.8	Charrier Mill station	403
64.9	River du Loup, water, 357; rail	484
67.2	Summit, ground, 555; rail	551
67.8	St. Paulin station	537
71.2	Range Lemay road crossing	429
73.5	St. Ursule station	560
76.1	Maskinonge River, bed, 137; rail	308
77.4	Road crossing	267
78.5	St. Justin station	250
80.0	Mill-pond, bed, 167; rail	190
81.3	River Cache, water, 142; bed, 140; rail	177
82.5	St. Barthelmy station	178
82.9	Stream, bed, 156; rail	180
86.9	River Chicot, high water, 143; low water, 138; bed, 136; rail	193
88.1	St. Outbert station	197
90.6	Bonaventure River, water, 141; bed, 142; rail	177
90.8	St. Norbert station	181
92.8	St. Pierre siding	176
95.0	Bayonne River, high water, 161; low water, 159; bed, 147; rail	177
95.1	Ste. Elizabeth station	181
98.1	River Chaloupe, water, 168; bed, 164; rail	181
100.7	Johette junction, with Joliette branch, Canadian Pacific Ry.	208
101.5	L'Assomption River, water, 185; bed, 174; rail	204
101.6	Johette station	204
107.3	Rouge river, bed, 173; rail	211
108.5	Montcalm station	231
108.9	Ouarvan River, high water, 194; low water, 189; rail	224
111.5	St. Jacques station	264
113.5	St. Alexis " (closed)	275
116.1	St. Julie station	273
116.3	River St. Esprit, bed, 239; rail	269
117.3	La Fourche station (closed)	255
117.4	Branch of River St. Esprit, bed, 239; rail	255
119.1	Road crossing	263
120.3	St. Lin station	238
120.4	Little River, bed, 215; rail	232
127.0	New Glasgow station	240
127.1	L'Achigan River, water, 231; bed, 228; rail	245
129.3	St. Sophie station	251
129.5	River Jordan, water, 244; bed, 238; rail	252
133.8	St. Jerome junction, with St. Jerome branch	265

Miles from River Pierre	GREAT NORTHERN RAILWAY	Elevation
135 5	St. Jérôme, junction with Canadian Pacific Ry., St. Jérôme Br., 13.6 miles from Ste. Thérèse	292
134 2	Brook, high water, 229; low water, 224; rail	247
134 7	Canadian Pacific Ry., St. Jérôme branch, crossing	247
135 9	North River, high water (1899)	214
139 4	St. Canut station	233
140 4	North River, high water (1899)	210
153 2	Lachute station	2 8
153 5	North River, high water (1899), 205; bed, 177; rail	213
156 1	Lachute junction, with Canadian Pacific Ry., main line	250
157 8	Summit	246
158 7	St. Philippe station	247
166 5	Grenville	176
166 7	Ottawa River, high water, 139; extreme low water, 123; rail	176
168 3	Hawkesbury, junction with Canada Atlantic Ry., Hawkesbury branch	165
MONTFORT COLONIZATION RAILWAY		
NOTE.—The reduced levels of this road are of very doubtful accuracy, as the levels of the section west of the tenth mile, could not be correlated with those to the east of it.		
0 0	Montfort junction, with St. Jérôme branch, Canadian Pacific Ry.	528
0 1	River du Nord, bed, 569; rail	528
4 3	Summit	770
6 9	Cimon River, bed, 679; rail	688
11 9	Lac Chevreuil, water, 1,653; grade	1,659
13 2	Montfort station (summit)	1,294
14 3	Lake François Xavier, water, 1,185; rail	1,190
15 0	Summit, natural surface, 1,331; rail	1,329
16 6	Stream, bed, 1,212; rail	1,217
17 3	Summit, ground, 1,269; rail	1,267
21 5	Sixteen-island Lake, water, 861; rail	867
22 3	Summit, ground, 975; rail	961
23 1	Pine Lake, water, 918; rail	923
26 8	Pike Creek, water, 546; rail	558
29 4	Bevan Creek, water, 346	357
31 1	" " " " " 544	562
Another profile diverging from above line near the 22nd mile gives:—		
24 0	Trout Creek, water, 802; grade	813
26 6	Pike Creek, " " 559	571
27 0	Round Lake " " 559	566
32 1	River Rouge, water, 565; bed, 555; grade	584
MILES FROM HULL		
HULL ELECTRIC RAILWAY		
0 0	Hull, Canadian Pacific Ry. station	189
5 1	Deschênes station	294
7 6	Aylmer	219
MILES FROM HULL		
OTTAWA AND GATINEAU RAILWAY		
0 0	Hull, junction with Canadian Pacific Ry., main line, 118.3 miles from Montreal	189
3 1	Ironside station	182
3 8	Stream, bed 134; rail	194
6 5	Chelsea station	365
7 0	Summit, rail	365
8 7	Depression, rail	288
10 3	Kirks Ferry station	294
10 7	Bay of Gatineau River, water, 296; rail	296
12 8	Summit, ground, 365; rail	363
14 0	Casadeau station	304
15 8	Patterson Creek, water, 306; rail	317
19 0	Rockhurst station	327
19 5	Peche River, water, 306; rail	328
19 8	Wakolefield station	328
22 2	Indian Creek, water, 318; rail	326
25 0	North Wakolefield station	333
25 7	Bay of Gatineau River, water, 322; rail	341
28 1	Farrellton station	345

Miles from Hull	OTTAWA AND GATINEAU RAILWAY	Elevation
31.5	Rowman station	365
31.7	McGoey Brook, water, 327; rail	360
32.6	Stag Creek, bed, 329; rail	345
33.4	Low station	445
34.7	Brook, water, 407; rail	446
35.8	Summit, ground, 345; rail	339
37.2	Ryan Creek, water, 413; rail	409
39.6	Venosta station	534
44.9	Kazabazna Creek, bed, 517; rail	561
45.0	Kazabazna station	571
45.3	Summit, ground and rail	399
47.1	Aylwin station	483
51.5	Marks Crossing station	395
53.6	Brook, water, 507; rail	515
55.9	Pickensok River, water 489; bed, 409; rail	509
57.6	Gracefield station	597
	<i>Proposed Extension</i>	
	Miles from Hull	
60.6	Summit, ground, 617; rail	612
63.1	Castor Creek, bed, 571; rail	575
67.0	Blue Sea Lake, high water, 537; water, (March, 1896), 533; rail	549
70.0	Station ground	571
71.3	Summit, ground, 644; rail	632
73.0	Brook, bed, 574; rail	582
74.3	Station ground	568
75.5	Brook, bed, 564; rail	585
80.6	Desert, station ground	561
	Miles from Ottawa	
	PONTIAC PACIFIC JUNCTION RAILWAY	
0.0	Ottawa, Central station	212
0.4	Ottawa River, highest water recorded, (May, 1896), 119.5; high water, (May 8, 1899), 145.5; lowest water recorded, (Sept. 28, 1884), 124.6; average low water, 128.3; bottom of bridge, 181.4; base of rail	189.7
1.7	Hull station	163
7.2	Desclimes station	198
9.8	Aylmer "	217
11.0	Brook, water, 216; rail	224
17.4	Breckenridge Creek, water, 201; rail	214
17.5	Breckenridge station	215
19.2	Ferris Creek, water, 201; rail	212
20.8	Tremblay Creek, water, 204; rail	211
23.3	Eardley station	215
25.1	Parker crossing	232
28.8	Mohr Creek, water, 214; rail	226
29.0	Mohr station	226
32.9	Quio	275
33.6	Quio River, high water, 242; low water, 239; bed, 234; rail	282
35.9	Bristol Mines junction	393
40.1	Bristol Mines, end of spur	314
36.0	Wyman station	394
39.4	Tank, bed of stream, 450; rail	468
40.1	Bristol station	477
42.8	McKee "	521
46.6	Shawville "	527
47.6	Summit, ground, 614; rail	610
50.9	Clark station	588
55.0	Clark Creek, bed, 491; rail	503
57.0	Stevenson Creek, high water, (1878), 354; ordinary high water, 349; low water, 339; rail	354
57.8	Campbell Bay station	361
61.5	Franktown Creek, bed, 355; rail	363
62.3	Vinton station	367
64.3	Bernard Creek, high water, 358; low water, 350; rail	371
69.1	Conlonge station	361
70.9	Conlonge River, extreme high water, 353.5; ordinary high water, 349.5; low water (October, 1886), 338.5; rail	366
76.6	Mellon station	365
80.4	Waltham "	367
80.7	Ottawa River at Waltham, ordinary high water, 353; low water (Sept. 30, 1887)	340
9 1/2		

Miles from Alburgh Jet.	CANADA ATLANTIC RAILWAY—MAIN LINE	Elevation
0.0	Alburgh junction, Vt. with Central Vermont R. R.	124
0.2	Lake Champlain, high water (May 4, 1869) 102.7; low water, 93.93; mean water (1871-1885)	96 12
1.5	Alburgh Springs, Vt., station	147
3.3	International boundary	147
7.7	Novan, junction with Quebec Southern Ry.	123
9.1	Richelieu River, high water, 102.6; low water, 93.9; rail	105
9.5	Lacolle junction, with Grand Trunk Ry., Rouse Point branch, 44.22 miles from Montreal	131
11.0	Lacolle station	152
12.5	Lacolle River, water, 158; bed, 155; rail	167
14.6	Henrysburg station	265
19.0	Summit, ground, 234; rail	232
20.0	Chambly River, bed, 172; rail	183
21.0	Johnson station	192
21.2	Grand Trunk Ry., Henningford branch, crossing	190
22.6	Norton Brook, water, 172; bed, 171; rail	179
23.9	Cranberry Brook, bed, 172; rail	179
26.6	Holton station (closed)	199
27.1	Summit, ground, 208; rail	204
31.0	Norton Brook, high water, 129; low water, 124; rail	141
31.2	Aubrey station	141
35.5	English River, extreme high water, 127; ordinary high water, 125; mean water, 121; extreme low water, 119; rail	130
36.5	Howick, junction with Grand Trunk Ry., Massena Springs Br., 39.80 miles from Montreal	132 6
38.0	Chateauguay River, extreme high water, 128; ordinary high water, 123; rail	131
42.3	St. Louis station	136
42.6	St. Louis River, water 130; bed 124; rail	136
48.4	Coele, junction with New York Central R.R.	150
49.2	Beauharnois Canal, water, 150; rail	155
50.9	Valleyfield station	1
54.0	River St. Lawrence, steamboat channel, high water, 154.86; standard low water, 132.42; extreme low water (Nov. 3, 1885) 130.80; rail	175 31
56.8	Coteau, junction with Grand Trunk Ry., main line, 37.96 miles from Montreal	169 2
57.7	River Delisle, water, 155; bed, 148; rail	163
60.6	St. Polycarpe station	176
62.9	St. Polycarpe junction, with Canadian Pacific Ry., Ont. and Que. Div., 40.1 miles from Montreal	191
67.7	Ste. Justine station	244
69.0	Interprovincial boundary, Ontario and Quebec	244
72.3	Glen Robertson, junction with Hawkesbury branch	261
77.6	River Delisle, water, 222; bed, 220; rail	233
78.9	River Garry, bed, 238; rail	252
79.8	Alexandria station	256
81.2	River Delisle, water, 247; bed, 243; rail	259
86.5	Greenfield station	343
89.3	Summit	382
91.2	Maxville station	335
97.1	Moose Creek station	288
104.5	Casselman	208
104.6	South Nation River, high water, 188; low water, 181; bed, 178; rail	208
105.2	Casselman, old station	216
107.8	South Indian Brook, bed, 197; rail	217
112.7	South Indian, junction with Rockland branch	232
117.6	Bearbrook station	249
119.0	Summit, ground, 257; rail	254
123.7	Eastmans station	225
124.6	Stream, bed, 222; rail	226
129.0	Greens Creek, water, 214; rail	219
133.2	Canadian Pacific Ry., Prescott branch, crossing	197
134.4	Rideau River, water, 181; bed, 176; rail	194
135.2	Ottawa, Central station	212
134.6	Elgin street	254
135.7	Chaudiere junction	222
136.0	Canadian Pacific Ry., Prescott branch, crossing, Can. Pac. Ry., rail, 207; Can. Atl. Ry., rail	206
139.3	Summit, rail	229
141.5	Richmond road crossing	279
		225

Miles from Albough Jct.	CANADA ATLANTIC RAILWAY—MAIN LINE	Elevation
312.6	Potter Lake, water, 1,426; rail	1,437
315.0	Bryle Lake station	1,472
318.0	Summit, highest point on the line, rail	1,606
321.3	Rainy Lake, water, 1,438; rail	1,452
323.1	Rainy Lake station	1,453
324.1	Rainy River, water, 1,432; rail	1,439
327.2	Summit, ground, 200 ft. west, 1,536; rail	1,527
327.4	Round Lake, water, 1,510; rail	1,518
332.1	Cushman Brook viaduct, water, 1,359; rail	1,433
332.9	Batesworth station	1,414
335.2	Tongawanda River, bed, 1,262; rail	1,294
336.4	Lake, water, 1,269; rail	1,267
340.1	Kearney station	1,110
345.5	Scotia, junction with Grand Trunk Ry., Toronto and North Bay Div.	1,082
348.6	Government road crossing	1,143
349.8	Summit, ground, 1,151; rail	1,146
350.9	Mud Lake siding	1,138
354.4	Depression, bed, 1,013; rail	1,028
356.5	Struedvale station	1,075
359.5	Whitehall "	1,097
363.0	Bear Lake "	1,037
363.4	Bear Lake, water	1,030
365.9	Seguin River, water, 971; bed, 965; rail	960
368.5	Seguin Falls station	963
369.1	Seguin River, water, 940; bed, 934; rail	979
373.2	Lake, water, 959; rail	979
374.1	Diamond Lake, water, 892; rail	961
374.9	Edgington station	896
374.9	Edgington station	891
377.2	Branch of Seguin River, water, 746; bed, 739; rail	775
377.2	Marsh, Maple and Buck lakes, water	746
378.0	Maple Lake station	748
380.2	Beatty siding (summit), ground, 918; rail	915
383.5	Ponder Lake, water, 839; rail	851
386.2	Falding station	770
387.6	Otter Lake station	732
	Otter Lake, water	681
388.9	Boyne River, water, 681; bed, 678; rail	688
389.2	Potawatimama Lake, water	676
391.5	Boyne River, water, 629; bed, 625; rail	636
393.2	Perry Sound (Rose Point) station	602
396.7	Deper Harbour station	530
	Lake Huron, mean water (1871-1899)	579.90
Miles from Glen Robertson	CANADA ATLANTIC RAILWAY—HAWKESBURY BRANCH	
0.0	Glen Robertson, junction with main line, 72.3 miles from Albough junction	261
3.5	Glen Sandfield road	249
6.0	Summit, ground, 249; rail	244
7.0	Dalkwith station	232
7.9	River à la Graisse, water, 201; bed, 198; rail	218
12.2	Summit	322
13.6	Vanlock Hill station	297
15.1	Canadian Pacific Ry., 'South Shore' line crossing	283
21.0	Hawkesbury station	141
Miles from South Indian	CANADA ATLANTIC RAILWAY—ROCKLAND BRANCH	
0.0	South Indian, junction with main line, 112.7 miles from Albough junction	232
3.2	Black Brook, water, 183; rail	214
5.0	Bear Brook, water, 165; rail	201
5.1	Cheney station	211
7.8	Hannoud station	220
8.0	South Br., North Indian Brook, water, 199; rail	208
10.2	North Br. " " water, 269; rail	264
11.9	Clareoux Creek station (summit)	271
16.0	Rockland "	163
16.8	Edwards wharf, Ottawa River	142

Miles from Brockville	BROCKVILLE, WESTPORT AND SAULT STE. MARIE RAILWAY	Elevation
26 32	Lyndhurst station	257
27 87	Delta "	312
27 97	Delta Brook, water 209; rail	312
32 33	Elgin station	432
33 90	Summit, ground, 432; rail	443
36 52	Crosby station	405
37 00	Mud Lakes, high water, 401; low water, 339; rail	404
39 70	Newboro station	437
40 67	Rideau Canal, water, 405; rail	440
44 00	Summit, ground, 467; rail	458
53 45	Westport station	455
	KINGSTON AND PEMBROKE RAILWAY	
	Lake Ontario, mean water (1871-1899)	245-02
0 00	Kingston station	255
1 05	Grand Trunk Ry., main line, crossing, 172.91 miles from Montreal	286 7
1 94	Summit	312
2 40	Brook, water, 254; rail	266
3 54	Little Cataraqui River, water, 294; rail	267
5 55	Summit	372
7 25	Collins Brook, water, 284; rail	362
10 13	Glendale station	420
14 08	Murvale station	470
16 08	Mud Brook, water, 409; rail	415
17 43	Summit	519
18 40	Harrowsmith station	491
20 43	Sigsworth "	511
21 35	Hartington "	531
22 85	Napanee River, water, 448; rail	456
24 46	Verona station	459
28 20	Summit	521
29 25	Belford, junction with Glendower Mines branch	500
33 00	Glendower Mines branch, end of track	520
	Thirty-island Lake, water	507
29 43	Cold Brook, water, 494; rail	508
30 48	Summit	579
32 04	Hinchinbrooke station	564
32 49	St. Andrews Brook, water, 558; rail	566
34 39	Summit	612
36 44	Harwell Lake, water, 585; rail	594
38 16	Parham station	651
38 76	Eagle Brook, water, 624; rail	649
41 93	Olden station	676
43 55	St. George Lake, water, 641; rail	649
44 91	Summit	689
46 30	Sharlot Lake, water, 638; rail	644
46 61	Sharlot Lake junction, with Canadian Pacific Ry., Ontario and Quebec division, 165.3 miles from Montreal	645
47 15	Summit	629
50 30	Osso station	674
50 94	South Branch Bolton Brook, water, 643; rail	653
52 80	Bolton Brook siding	686
55 26	Clarendon station	764
55 83	Summit	781
56 86	Robertsville station	753
59 16	Mississippi "	690
60 49	Mississippi River, water, 647; rail	661
61 05	Snow Road station	701
63 59	Antoine Brook, water, 776; rail	787
63 85	Onapan station	814
66 01	Antoine Brook, water, 832; rail	840
66 55	Wilbur Mines junction, with branch to mine	840
67 85	Wilbur Mines branch, end of track	805
	Caldwell Lake, water	890
67 15	Wilbur station	894

Miles from Kingston	KINGSTON AND PEMBRROKE RAILWAY	Elevation
67.58	Summit, highest point on the line, rail	965
68.95	Lavant station	845
71.11	Folger	816
73.06	South Branch, Clyde River, water, 664; rail	689
76.18	Clyde Forks station	613
76.54	Clyde River, water	666
78.13	Flower station	626
79.60	North Branch Clyde River, water, 629; rail	634
80.12	Clyde Lake, water, 643; rail	651
81.80	Summit	634
83.17	Mill Lake, water, 612; rail	620
87.14	Barryvale station	535
87.22	Calabogie Lake, water, 567; rail	544
89.14	Calabogie station	522
90.38	Summit	578
91.36	Norway Lake, water, 545; rail	557
92.84	Ashiod station	572
94.83	Cunyon	698
98.58	Ojongo	567
100.25	Admaston	490
102.00	Renfrew junction, with Canada Atlantic Ry., 188.8 miles from Alburgh, line.	494
103.38	Renfrew, junction with Canadian Pacific Railway, main line, 189.4 miles from Montreal	416
Miles from Pictou	CENTRAL ONTARIO RAILWAY	
	Lake Ontario, mean water (1871-1899)	245. 02
0.0	Pictou station	322
4.0	Bloomfield station	269
7.3	Hallowell	253
10.7	Wellington	304
12.4	Summit	337
14.6	Niles Corners station	312
15.7	Hillier	296
16.3	Summit	314
21.1	Consecon station	255
19.2	Consecon Lake, water, 263; rail	269
25.5	Weller Bay station	362
26.9	Murray Canal, water, L. Ontario, 245'02; rail	257
30.4	Trenton station	258
37.7	Cold Brook, water, 361; rail	369
38.0	Frankford station	371
43.0	Trent River, water, 367; rail	384
43.2	Trent Valley Canal, water, 376; rail	384
43.3	Chisholm station	389
45.5	Anson station, Grand Trunk Ry., Belleville and Midland Div. crossing	399
47.3	Summit	455
49.2	Squire Brook, bed, 419; rail	449
50.0	Rawdon station	449
52.8	Springbrook station	533
55.0	Central Ontario junction, with Canadian Pacific Ry., Ontario and Quebec division, 224.3 miles from Montreal	601
55.8	Summit	625
57.2	Ontario, Belmont and Northern Ry. junction	548
60.5	Marmora station	594
64.1	Summit	727
66.4	Moira River, bed, 708; rail	718
66.4	Malone station	718
70.6	Elfrado	788
75.6	Baumockburn station	828
76.3	Moira River, bed, 836; rail	844
80.1	Millbridge station	944
80.7	Summit	960
81.7	Jordan Brook, bed, 949; rail	957
86.7	Summit	1,035
89.7	Glendon station	1,018
90.3	Beaver Creek, water, 965; rail	1,063
92.5	St. Ols station (summit)	1,968
93.3	Bass Creek, water, 1,037; rail	1,043
96.4	Summit	1,167

Miles from Picton	CENTRAL ONTARIO RAILWAY	Elevation
96.5	Junction with Coehill branch	1,169
98.8	Ormsby station	1,146
103.5	Coehill "	1,055
98.1	Brinklow road crossing	1,152
102.0	Egan Creek, water, 1,002; rail	1,102
104.7	Marmo road crossing	1,098
106.7	Summit, rail	1,180
109.2	Carlow road crossing	1,073
110.1	L'Amable Creek, water, 1,012; rail	1,025
112.5	Bronson, road crossing	1,077
115.3	Hastings "	1,084
115.9	Bancroft station	1,073
115.9	" street crossing	1,073
116.0	York River, water above Bancroft dam	1,067
120.0	Bird Creek road	1,108
Miles from O. R. & N. Jc.	ONTARIO, BELMONT AND NORTHERN RAILWAY	
0.00	O. R. & N. junction, with Central Ontario Ry., 57.2 miles from Picton	598
0.49	Striding and Marmora road crossing	612
2.67	Marmora village, Marloe St. crossing	599
2.84	Tail race, water, 693; rail	602
3.59	Road crossing	620
4.20	Beaver Brook, water, 596; rail	605
4.42	Road crossing, lot 14, con. IV, Marmora tp.	606
8.84	Summit, ground, 636; rail	691
8.88	Belmont and Marmora town line	620
9.54	End of track at line between lots 18 and 19, con. I, Belmont tp.	602
Miles from Napanee	BAY OF QUINTE RAILWAY—MAIN LINE	
0.0	Napanee, junction with Grand Trunk Ry., main line, 198.51 miles from Montreal	512 7
3.6	Napanee River, water, 274; rail	285
5.7	Napanee Mills station	510
7.6	Newburgh "	334
8.0	Thompson Mills "	283
9.3	Camden East "	409
13.1	Yarker, junction with Sydenham branch	454
14.7	Gallbraith station (summit), ground, 508; rail	501
16.6	Varty Lake, water, 363; rail	470
17.5	Moscow station	468
19.8	Mud Lake, water, 414; rail	453
20.0	Mud Lake Bridge station	453
21.6	Enterprise "	483
23.6	Wilson "	555
27.5	Salmon River, water, 501; rail	512
27.7	Tanworth station	515
29.0	Summit, ground, 536; rail	587
30.2	Erinsville station	549
31.7	White Lake, water, 540; rail	548
34.3	Marlbank station	537
37.7	Goose Brook, bed, 507; rail	518
40.0	Larkins station	551
44.0	Moira River, east bridge, bed, 455; rail	470
44.1	Stoco station	470
45.7	Moira River, west bridge, bed, 454; rail	462
45.9	Stoco Lake, water	469
46.9	Tweed, junction with Canadian Pacific Ry., Ontario and Quebec Div., 206.3 miles from Montreal	480
Miles from Yarker	BAY OF QUINTE RAILWAY—SYDENHAM BRANCH	
0.00	Yarker, junction with main line, 15.1 miles from Napanee	454
0.42	Napanee River, bed, 431; rail	462
2.42	Frontenac station	528
2.75	Summit	531
5.94	Herchner Brook, bed, 447; rail	460

Station	Miles from Yarber	Bay of Quinte Railway—Spenham Branch	Station	Miles from Yarber
00	0.27	Harrowsmith junction with Kingston and Pembroke Ry.	491	
46	0.25	Sydenham Lakey water	424	
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Miles from Coosing	COBOURG, NORTHUMBERLAND AND PACIFIC RAILWAY (projected)	Elevation
36.3	Trent River, at Ranney Falls, water, above falls, 443; below falls, 439; grade	465
38.1	Scaybellford, proposed station, lot 12, con. VII, Seymour	489
44.3	Seymour and Rawdon town-line in lot 24, con. VIII, Rawdon	537
50.5	Central Ontario junction, with Canadian Pacific and Central Ontario Rys.	699
TORONTO, HAMILTON AND BUFFALO RAILWAY		
Miles from Waterford		
0.90	Waterford station	762
0.30	Waterford junction, with main line, Michigan Central R. R.	761
4.25	Vanessa station	783
7.69	Scotland " "	780
9.70	Churches " "	820
10.22	Gravel pit (summit)	845
12.63	Mount Pleasant station	790
17.13	West Brantford	864
17.81	Grand River, water, 646; rail	696
18.97	Brantford station	657
19.31	Starch Works siding	659
20.30	Bow Park station	659
21.30	Grand Trunk Ry., Buffalo and Goderich Div., crossing	723
21.65	Cainsville station	707
24.88	Wisher " "	719
27.88	Jerseyville " "	738
31.69	Summit " "	780
32.19	Summit, rail	796
35.02	Mineral Springs station	581
38.47	Dundas " "	349
39.72	Ancaster " "	328
41.76	Hamilton, Garth Street station	305
42.66	" Pontette Street junction	288
42.58	" Hunter Street tunnel, ground at centre, 363; rail	319
42.94	" station	325
43.66	Grand Trunk Ry., Hamilton and Port Dover branch, crossing	326
44.63	Hamilton, Wentworth Street station	339
46.24	Bartonsville station	361
49.48	Stoney Creek " "	432
51.62	Edgmont " "	414
53.89	Saltfleet " "	448
58.10	Grassies " (summit)	614
63.17	Smithville " "	625
66.08	St. Anns " "	608
69.04	Silverdale " "	611
74.63	Fenwick " "	620
76.22	Chantler, junction with Ridgville spur	663
78.63	Ridgville station	638
79.70	Gravel pit	806
79.10	Chippewa River, high water, 566; low water, 560; rail	582
80.12	Welland, junction with Michigan Central R. R.	585
MICHIGAN CENTRAL RAILROAD—MAIN LINE		
Miles from Buffalo		
0.60	Buffalo, Exchange St. station	581
24.38	Cantilever bridge, rail	585
24.46	Clifton station	582
25.66	Niagara Falls station	609
26.75	Falls View " "	616
27.02	Montrose junction, with Niagara division	612
28.12	Montrose station	595
29.82	Chippewa River, rail	579
37.73	Grand Trunk Ry. crossing	500
38.20	Welland, junction with Port Erie division and Toronto, Hamilton and Buffalo Ry.	585
38.49	Welland Canal, bed, 502; rail	585
42.87	Hewitt station	583
44.01	Forks Creek, bed, 535; rail	576
47.54	Perry station	585
50.11	Montague station	583
55.76	Atttercliffe station	588
63.09	Cantfield station, Grand Trunk Ry., Buffalo and Goderich Div., crossing	616

Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—MAIN LINE	Elevation
67-68	Sunmit	660
69-56	Cawings station	635
70-39	Grand River, bed, 574; rail	624
71-15	De Cows Pond, bed, 597; rail	635
75-42	Dufferin station	684
79-48	Hagersville station, Grand Trunk Ry., Hamilton and Port Dover branch, crossing	727
85-05	Townsen station	737
87-30	Villa Nova "	730
89-45	Nanticoke Creek, bed, 715; rail	749
92-23	Waterford junction, with Toronto, Hamilton and Buffalo Railway	761
98-80	Windham station	815
102-33	Port Dover junction, with Grand Trunk Ry., Stratford and Port Dover branch	787
104-16	Hawtrex "	782
108-86	Otter Creek, bed, 737; rail	791
109-24	Cornell station	795
114-68	Tilsonburg station	804
114-97	Grand Trunk Ry., Tilsonburg branch, crossing; G. T. Ry., rail 780; M. C. R. R.	805
120-47	Brownsville "	793
125-94	Springfield "	793
128-40	Aylmer "	818
131-13	Kingsmill "	796
132-88	Catfish Creek, bed, 712; rail	763
133-48	Yarmouth station, Grand Trunk Ry., "Loop Line" crossing	759
139-16	St. Thomas station	766
140-58	Kettle Creek, bed, 661; rail	755
143-36	St. Clair, junction with St. Clair division	763
148-19	Shedden station	725
152-13	Lona "	745
158-07	Dutton "	721
164-60	Bismarek "	768
169-00	Rothev "	691
172-38	Taylor "	716
174-57	Muirkirk "	722
177-13	Hightate "	736
182-78	Ridgetown "	657
188-63	Mull "	647
193-64	Fargo "	637
193-65	Lake Erie and Detroit River Ry., Erie and Huron division, crossing	636
196-02	Charing Cross station	625
202-27	Buxton "	600
206-32	Fletcher "	597
213-25	Tilbury "	590
216-06	Baptiste Creek, bed, 578; rail	591
219-86	Comber, junction with Leamington division	606
223-55	Roscomb River, bed, 590; rail	603
224-85	Ruscomb station	605
228-78	Woodlee "	615
234-33	Essex, junction with Amherstburg division	643
238-86	Maidstone Cross station	627
243-15	Felton, junction with Lake Erie and Detroit River Ry	627
248-92	Rounhouse station	598
250-13	Windsor "	580
	Detroit River at Windsor, mean water	574.3
Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—NIAGARA DIVISION	
0-00	Buffalo Exchange St. station	581
4-59	International bridge, rail	587
5-67	Fort Erie station	595
6-48	Victoria "	605
7-75	Niagara junction, with Fort Erie division	606
12-44	Black Creek, bed, 565; rail	574
12-47	Black Creek station	574
18-25	Chippawa "	572
19-29	Montrose junction, with main line, 27.07 miles from Buffalo	612
20-31	Falls View station	617
21-40	Niagara Falls "	610
22-60	Clifton "	583
23-26	St. Catharines & Niagara Central Ry. junction	579

Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—NIAGARA DIVISION	Elevation
25 25	Stamford station	618
26 31	Ingles "	530
27 29	Cement Mill station	451
27 77	Johnson "	403
29 83	Queenston "	349
33 69	Paradise switch	398
34 14	Chataqua switch	289
34 72	Queen Street station	287
35 29	Niagara-on-the-Lake station	250
	Lake Ontario, mean water (1871-1899)	245 02
Miles from Niagara Jc.	MICHIGAN CENTRAL RAILROAD—FORT ERIE DIVISION	
0 00	Niagara junction, with Niagara division, 7 75 miles from Buffalo	696
5 06	Stevensville station	587
10 50	Brookfield "	608
15 21	Welland, junction with main line 38 29 miles from Buffalo	585
Miles from St. Thomas	MICHIGAN CENTRAL RAILROAD—ST. CLAIR DIVISION	
0 69	St. Thomas station	766
4 23	St. Clair, junction with main line, 143 36 miles from Buffalo	793
5 40	Grand Trunk Ry. "Loop-Line" crossing	744
9 35	Southwold station	746
12 20	Thames River, bed, 645; rail	720
13 54	Muncey station	720
19 27	Melbourne "	735
22 29	Appin, Grand Trunk Ry., Niagara Falls and Windsor division, crossing	744
24 59	Canadian Pacific Ry., Ontario and Quebec division, crossing	749
29 89	Walker station	791
34 79	East Branch, Sydenham River, bed, 654; rail	710
35 28	Alvinston station	713
40 99	Inwood "	688
42 39	Weidman "	682
43 80	Glen Rae "	681
44 98	Holmesdale "	676
48 19	Oil City "	661
50 17	Petrolia junction	690
50 42	Fox Creek, bed, 647; rail	659
53 29	Chandlerlain station	638
56 56	Beigden "	634
57 16	Bear Creek, bed, 588; rail	626
59 81	Kinball station	629
65 82	Courtright junction, with Lake Erie and Detroit River Ry., Erie and Huron division	610
66 38	Courtright station	588
Miles from Conber	MICHIGAN CENTRAL RAILROAD—LEAMINGTON DIVISION	
0 0	Conber, junction with main line 219 86 miles from Buffalo	696
2 26	Pettits Mill station	595
3 31	Rosslyn "	610
5 30	Staples "	613
7 12	Blytheswood "	629
8 79	Oakland "	635
10 57	Wiglo "	649
13 44	Lake Erie and Detroit River Ry. crossing	624
13 79	Leamington station	626
15 91	Sea Cliff Park	577
	Lake Erie, mean water (1871-1899)	571 59
Miles from Essex	MICHIGAN CENTRAL RAILROAD—AMHERSTBURG DIVISION	
0 00	Essex, junction with main line 234 33 miles from Buffalo	643
4 78	Edgar station	626
7 23	Lake Erie and Detroit River Ry. crossing	609
7 92	McTearson station	608
9 69	Canard River, bed, 576; rail	600
15 73	Gordon station	581
16 88	Amherstburg station	593
	Detroit River at Amherstburg, mean water	572

Miles from M. C. R. R. Jc.	ST. CATHARINES AND NIAGARA CENTRAL RAILWAY	Elevation
0 00	Junction with Michigan Central R. R., Niagara Div.	579
1 35	Grand Trunk Ry., Allanburg branch, crossing	646
2 08	Summit, ground, 649; rail	647
5 62	Welland Canal, water, 570; rail	595
6 70	Thorold station	595
9 55	Merriton, Grand Trunk Ry., Niagara Falls and Windsor Div. crossing; G. T. Ry. rail 388; St. C. and N. C. Ry. rail	411
11 00	Queenston road crossing, rail	348
12 60	St. Catharines station	346
Miles from Jordan	ST. CATHARINES AND NIAGARA CENTRAL RAILWAY (Projected extension, Jordan to Hamilton)	
0 00	Clinton and Leath town-line, lot 1, con. IV, Clinton	323
3 32	Grand Trunk Ry., quarry siding	396
4 42	Beamsville, Ontario street	310
8 78	Grimsby, Depot street	295
9 00	Forty-mile Brook, high water, 272; rail	295
13 00	Winona, street crossing	296
18 82	Stoney Creek, bed, 248; rail	271
23 42	Hamilton, Sherman Avenue	283
24 64	Grand Trunk Ry., Hamilton and Allandale Div., crossing	311
25 00	Hamilton, James street	320
Miles from Tilsenburg	TILSONBURG, LAKE ERIE AND PACIFIC RAILWAY	
0 0	Tilsenburg, junction with Grand Trunk Ry., 'Loop Line'	765
2 6	Summit	794
4 2	Eden station	783
6 3	Little Otter Creek, water, 645; rail	698
8 0	Staffordville station	749
12 6	Houghton "	675
13 6	Vienna "	659
15 7	Port Hurwell "	380
	Lake Erie, mean water (1871-1899)	571 59
Miles from Walkerville	LAKE ERIE AND DETROIT RIVER RAILWAY	
	Lake St. Clair, mean water	574 7
0 00	Walkerville station	588
3 00	Walkerville junction, with Canadian Pacific Railway, O. & Q. Div.	611
6 21	Pelton, junction with Michigan Central Railroad, main line, 243 15 miles from Buffalo	627
7 73	Oldcastle station	627
10 72	Paquette "	616
13 29	McGregor, junction with Michigan Central Railroad, Amherstburg Div.	609
15 20	Canard River, bed, 567; rail	608
15 31	New Canaan station	608
18 39	Marshfield "	608
21 06	Harrow "	626
25 60	West Branch Cedar Creek, bed, 573; rail	595
25 92	Arner station	602
29 45	Kingsville station	608
34 17	Rutlyen "	682
35 95	Summit, ground, 734; rail	707
37 60	Leamington junction, with Michigan Central Railroad, Leamington Div.	630
38 00	Leamington station	624
46 00	Wheatley "	669
50 69	Renwick "	629
52 88	Coatsworth "	628
57 61	Glenwood "	628
61 00	Merlin "	634
64 59	Buxton "	644
66 44	Sanilson "	648
70 76	Cedar Springs "	669
73 90	Blenheim junction, with Erie and Huron division	674
74 70	Blenheim station	672
78 27	Wilkie "	664
84 05	Ridgetown "	670

Miles from Rondeau	LAKE ERIE AND DETROIT RIVER RAILWAY—ERIE AND HURON DIVISION	Elevation
	Lake Erie, mean water (1871-1899).....	571.59
0.0	Rondeau station.....	577
4.9	Shrewsbury ".....	586
7.5	Blenheim ".....	681
7.6	Summit, ground, 1000 ft. north, 628; rail.....	683
7.7	Blenheim junction.....	674
11.5	Fargo, junction with Michigan Central R. R., main line, 193.65 miles from Buffalo.....	626
14.7	Richardson station.....	690
17.6	Chatham junction, with Grand Trunk Ry., Niagara Falls and Windsor Div.,	599
18.0	Chatham station.....	595
18.5	Thames River, high water, 589; low water, 574; rail.....	597
23.0	Darrell station.....	600
24.6	Eberts ".....	600
27.8	Emmett ".....	600
30.2	Dresden ".....	604
35.1	Tapperville station.....	585
41.7	Sydenham River, water, 576; bed, 548; rail.....	585
41.0	Wallaceburg station.....	583
46.5	Whitebread ".....	585
49.0	Port Lambton ".....	583
53.2	Sombra ".....	588
55.6	Clay Creek, water, 589; rail.....	588
57.5	Watson station.....	602
60.8	Constright junction, with St. Clair Div., Michigan Central R. R.....	607
61.3	Constright station.....	601
62.5	Moscorow ".....	606
64.0	Summit ".....	638
65.8	Corunna station.....	529
67.6	Wawanosh ".....	601
71.2	Sarnia ".....	600
	River St. Clair at Sarnia, mean water.....	578.8
Miles from Port Stanley	LAKE ERIE AND DETROIT RIVER RY.—LONDON AND PORT STANLEY RY.	
	Lake Erie, mean water (1871-1899).....	571.59
0.00	Port Stanley station.....	579
1.09	Kettle Creek, water, 572; rail.....	590
4.12	White station.....	737
8.24	Michigan Central R. R., main line, crossing.....	762
8.43	St. Thomas station.....	762
9.70	Kettle Creek, bed, 683; rail.....	749
10.41	Yarmouth station.....	782
11.17	Siding.....	808
14.16	Glanworth station.....	872
16.18	Summit, rail.....	918
18.52	Westminster station.....	878
23.05	Thames River, bed, 771; rail.....	803
25.48	London, junction with Grand Trunk Ry., Niagara Falls and Windsor Div., 119.80 miles from Suspension Bridge.....	805
Miles from L. Nipissing	NIPISSING AND NONBONSSING RAILWAY	
0.0	Lake Nipissing, low water, 640.5; high water.....	647.8
	Grand Trunk Ry., Toronto and North Bay division, crossing, 216.45 miles from Toronto.....	745
5.5	Lake Nonbonsing, water.....	778
Miles from Sudbury	MANITOULIN AND NORTH SHORE RAILWAY	
0.0	Sudbury, junction with Canadian Pacific Railway, main line, 442.7 miles from Montreal.....	850
3.0	Stream, water, 912; rail.....	920
6.9	" " 911; rail.....	948
8.0	Summit, ground 400 feet west, 904; rail.....	986
8.8	Stream, water, 953; rail.....	954
12.7	End of profile.....	965

Miles from S. Ste. Marie	ALGOMA CENTRAL RAILWAY—MAIN LINE	Elevation
0 0	Sault Ste. Marie.....	585
1 3	Junction with Moore Point spur.....	610
4 5	Moore Point wharf.....	606
3 2	Stream, bed, 644; rail.....	706
5 8	Korah and Tarentorus town-line road.....	834
6 9	Root River, bed 845; rail.....	803
10 5	North boundary Tarentorus township.....	1,018
Miles from Michipicoten	ALGOMA CENTRAL RAILWAY—MICHIPICOTEN BRANCH	
0 0	Michipicoten, commercial dock 007; ore dock.....	641
1 4	Government road crossing.....	754
4 0	Summit.....	980
6 5	Magpie River, water, 843; rail.....	863
9 2	Souler Lake, water, 1,023; rail.....	1,093
9 8	Otter Lake, water.....	1,093
10 0	Moon " ".....	1,097
10 8	Sayres " ".....	1,222
11 5	Boyer " ".....	1,250
11 6	Helen mine, rail.....	1,250

Miles from St. Boniface	CANADIAN NORTHERN RAILWAY—WINNIPEG DIVISION	Elevation
56.8	Sandilands station	1,161
59.2	Little Rat River, bed, 1,122; rail	1,143
61.1	Woodridge station	1,223
68.6	Rat Creek, bed, 1,152; rail	1,174
74.5	Summit	1,245
75.3	Summit station	1,257
84.1	Vassar	1,168
94.7	North Branch Rossau River, water, 1,050; rail	1,083
95.3	Sprague station	1,063
96.9	Mud Brook, water, 1,032; rail	1,083
107.9	International boundary	1,067
114.6	Warroad station, Minn.	1,061
127.4	Willow Creek station, Minn.	1,155
129.6	Lipper Creek	1,135
	Lake of the Woods, high water, 1,055; low water, 1,052; ice (winter '89-'90)	1,054
151.3	Baudette station, Minn.	1,076
151.5	Rainy River (International boundary), high water, 1,037; low water, 1,033.5; rail	1,066
	CANADIAN NORTHERN RAILWAY—SASKATCHEWAN DIVISION	
Miles from Gladstone		
0.0	Gladstone, junction with Canadian Pacific Ry., North Western branch, 34.9 miles from Portage la Prairie	884
0.7	Junction switch	892
1.3	Gopher Brook, high water, 892; rail	925
6.7	Ogilvie station	888
13.0	Phumas	927
13.4	Jordan River, high water, 919; rail	926
18.7	Jumping Deer Brook, high water, 925; rail	927
25.4	Grassy River, high water, 947; rail	951
26.5	Genella station	954
34.4	Chonaim	974
40.9	Turtle River, high water, 973; rail	977
45.7	Summit	963
46.6	McCreary (formerly Elliott) station	992
49.1	Creek, water, 979; rail	985
55.1	Laurier station	965
60.6	Creek, water, 964; rail	968
63.5	Makimuk station	972
64.4	Creek, water, 965; rail	971
63.2	Kerosene Creek, high water, 941; rail	945
70.7	Ochre River station	929
71.4	Ochre River, high water, 914; rail	917
74.6	Depression, ground, 896; rail	902
79.6	Jackfish River, high water, 940; rail	945
84.3	Dauphin station	957
85.9	Vermilion River, high water, 959; low water, 959; rail	968
90.3	Wilson River, water, 957; rail	973
93.2	Valley River station	971
93.4	Valley River, high water, 956; rail	970
97.4	Summit	986
100.4	Sifton station	967
102.2	Sifton junction, with Lake Winnipegosis branch	959
108.7	Siding	1,023
116.8	Fork River, bed, 1,105; rail	1,125
116.9	Ethelbert station	1,126
125.7	Pine Creek, bed, 1,105; rail	1,123
126.0	Garland station	1,127
126.0	Pine River station	1,146
137.8	Pine River, bed, 1,143; rail	1,154
143.4	South Duck River, bed, 1,137; rail	1,150
146.6	Schlater station	1,149
146.8	Slate River, bed, 1,137; rail	1,148
153.7	North Duck River, bed, 1,164; rail	1,194
154.0	Cowan station	1,190
161.3	Sinclair River, bed, 1,131; rail	1,138
164.7	Fisher station	1,130
174.5	Minitonas station	1,086
174.7	East Favell River, bed, 1,072; rail	1,085

Miles from Inter. Bdy.	NORTHERN PACIFIC RAILWAY—MANITOBA DIVISION	Elevation
0.0	International boundary.....	788
0.8	West Lynne station.....	787
9.4	River aux Marais, high water, 776; low water, 763; rail.....	779
9.9	Letellier station.....	781
15.8	Martin ".....	781
19.1	St. Jean ".....	775
19.7	Plum River, high water, 768; low water, 746; rail.....	771
25.4	Morris, junction with Brandon branch.....	773
26.0	Morris River, high water, 766; low water, 739; rail.....	771
33.4	Silver Plains station.....	776
38.7	Union Point ".....	776
42.4	St. Agathe ".....	774
47.1	Glenora ".....	769
50.6	Cartier ".....	765
56.6	St. Norbert ".....	762
62.8	Portage, junction with Portage la Prairie branch.....	760
65.3	Assiniboine River, high water, 745; low water, 722; rail.....	753
65.9	Winnipeg station.....	753
Miles from Portage Jct.	NORTHERN PACIFIC RAILWAY—PORTAGE LA PRAIRIE BRANCH	
0.0	Portage, junction with Manitoba division, 62.8 miles from International boundary.....	760
2.2	Canadian Pacific Ry., Pembina branch, crossing.....	764
10.1	Headingly station.....	778
11.8	Canadian Pacific Ry., South Western branch, crossing.....	779
17.8	White Plains station.....	801
27.5	La Salle ".....	789
28.0	La Salle River, bed, 779; rail.....	790
32.0	Eustace station.....	796
39.0	Oakville ".....	815
43.0	Curtis ".....	827
47.8	Assiniboine River, high water, 842; bed, 814; rail.....	847
52.6	Portage la Prairie, junction with Portage and North-western and Lake branches.....	854
Miles from Portage la Prairie	NORTHERN PACIFIC RAILWAY—PORTAGE AND NORTH-WESTERN BRANCH	
0.0	Portage la Prairie, junction with Portage la Prairie branch.....	854
5.2	Horizon station.....	840
10.6	Ridgeway ".....	841
14.9	Youill ".....	854
19.2	Beaver ".....	862
Miles from Portage la Prairie	NORTHERN PACIFIC RAILWAY—LAKE BRANCH	
0.0	Portage la Prairie, junction with Portage la Prairie branch.....	854
3.0	Alpha station.....	846
6.1	Townline ".....	827
9.1	Oakland ".....	819
	Lake Manitoba, water, (July 3, 1900).....	809
Miles from Morris	NORTHERN PACIFIC RAILWAY—BRANDON BRANCH	
0.00	Morris, junction with Manitoba division, 25.4 miles from the International boundary.....	773
0.24	Canadian Pacific Ry., Pembina branch, crossing.....	773
10.00	Loze station.....	791
21.11	Myrtle ".....	827
25.86	Roland ".....	855
33.68	Rosebank ".....	910
39.60	Miami ".....	1,012
40.36	South Branch Tobacco Creek, bed, 1,025; rail.....	1,038
44.66	Drivers ravine, bed, 1,185; rail.....	1,214
49.11	Deerwood station.....	1,411
54.37	Altamont ".....	1,589
56.21	Sunmit, rail.....	1,626
62.25	Somerset station.....	1,565

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Miles from Morris	NORTHERN PACIFIC RAILWAY—BRANDON BRANCH	Elevation
67 15	Summit	1,565
68 55	Swan Lake station	1,557
70 42	Branch of Peubina River, bed, 1,460; rail	1,497
74 87	Indian Springs station	1,471
79 46	Mariopedis "	1,488
86 34	Greyway "	1,491
92 39	Baldur "	1,408
102 15	Belmont "	1,468
105 55	Departure, junction with Souris River branch	1,433
109 96	Hilton station	1,379
114 42	Ashton station	1,543
117 09	Spring Creek, water, 1,272; rail	1,290
119 42	Top of bluff, right bank of Souris River	1,269
120 14	Wawanesa station	1,198
120 50	Souris River, high water, 1,143; rail	1,187
122 46	Top of bluff, left bank of Souris River	1,308
123 15	Elliot siding	1,315
125 28	Black Creek, bed, 1,278; rail	1,307
115 33	Canadian Pacific Ry., Souris branch, crossing	1,311
126 05	Summit, rail	1,325
129 64	Romthwaite (Naughton) station	1,307
134 24	Little Souris River, bed, 1,201; rail	1,215
137 46	Martinville station	1,216
145 29	Brandon "	1,255

Miles from
Departure

NORTHERN PACIFIC RAILWAY—SOURIS BRANCH

769
778
779
801
789
790
795
815
827
847

0 0	Departure, junction with Brandon branch, 105 55 miles from Morris	1,433
4 6	Tiger Hills station	1,521
4 8	Summit	1,527
8 9	Depression	1,353
9 4	Ninette station	1,363
12 4	Outop "	1,493
14 0	Dunrea "	1,498
19 7	Margaret "	1,541
27 1	Minto "	1,523
28 1	Summit	1,597
32 3	Fairfax station	1,569
38 5	Elgin "	1,530
46 3	Trackend "	1,479

Miles from
Winnipeg

WINNIPEG GREAT NORTHERN RAILWAY (abandoned)

54
40
41
54
62
54
46
67
69

0 0	Winnipeg, Canadian Pacific Ry station	757
4 7	Junction with Canadian Pacific Ry., main line	789
5 4	Colony Creek, bed, 771; rail	791
14 7	Grade, S. E. | Sec. 28, Tp. 12, R. 1 E.	794
25 2	Grade, N. E. | Sec. 8, Tp. 14, R. 1 W.	819
33 0	Grade, S. W. | Sec. 15, Tp. 13, R. 11 W.	855
39 2	Grade, between Swan and Shoal Lakes, S. W. | Tps. 15, R. 11 W.	856
40 0	Shoal Lake (five to fifteen feet deep) low water, 850; high water	855
42 4	Summit, line between Secs. 12 and 13, Tp. 16, R. 11 W.	865

Miles from
Lethbridge

ALBERTA RAILWAY & COAL CO.'S RAILWAY

73
73
91
87
83
69
84
94
91
86
86

0 0	Lethbridge, junction with Canadian Pacific Ry., Crow Nest branch	2,982
1 8	Montana junction	3,009
14 0	Summit	3,085
18 4	Eighteen-mile Lake, bed, 3,028; rail	3,035
19 9	Stirling, junction with St. Mary's River Ry.	3,043
28 3	Summit	3,191
39 1	Stream, bed, 3,168; rail	3,177
42 5	Brunton station	3,268
52 5	Summit	3,474
53 8	Milk River station	3,429
54 1	Milk River, bed, 3,400; rail	3,417
63 1	Red River, bed, 3,402; rail	3,412
65 0	Summit	3,493
66 5	Cottis station (International boundary)	3,463
66 6	Sweet Grass station, Montana	3,463

Mile from Lethbridge	ALBERTA RAILWAY & COAL CO.'S RAILWAY	Elevation
79 0	Kevin station, Montana	3,351
91 5	Rocky Springs station, Montana	3,279
104 0	Shelby, Montana, junction with Great Northern Railway	3,274
115 0	Conrad station, Montana	3,044
115 3	Marias River, bed, 3,915; rail	3,041
133 3	Pondera station, Montana	3,487
157 5	Summit	3,638
156 8	Teton River, bed, 3,392; rail	3,380
157 0	Collins station, Montana	3,384
164 0	Summit	3,734
179 0	Steel station, Montana	3,320
188 0	Vaughan station, Montana	3,369
200 0	Great Falls "	3,323
Miles from Stirling	ST. MARYS RIVER RAILWAY	
0 0	Stirling, junction with Alberta Ry. & Coal Co.'s Ry., 19.9 miles from Lethbridge.	
0 6	Junction switch	3,043
1 4	Grade	3,117
6 1	Mobile Coulee, bed, 3,088; rail	3,063
8 6	Grade	3,131
9 6	Fifteen-mile Butte, rail	3,125
12 6	Nine-mile Coulee, bed, 3,139; rail	3,145
15 3	Summit, ground, 400 feet west, 3,139; rail	3,191
15 7	Pothole Creek, bed, 3,133; rail	3,164
18 2	Magrath	3,210
21 0	Magrath lateral ditch, rail	3,289
24 2	Summit, ground, 3,451; rail	3,446
26 3	West Fork Pothole Creek, bed, 3,442; rail	3,453
28 3	West Fork Pothole Creek, bed, 3,308; rail	3,514
30 6	Spring Coulee station	3,578

	Miles from Kaslo	KASLO AND SLOCAN RAILWAY	Elevation.
		Kootenay Lake, ordinary high water 1,752; low water.	1,754
	0.0	Kaslo station	1,752
	6.3	South Fork station	2,291
	16.7	Whitewater "	3,287
	20.4	Bear Lake "	3,500
		Fish Lake, water	3,482
		Summit	3,515
		Bear Lake, water	3,507
	23.3	McGaugan station	3,515
	27.1	Cody junction	3,515
	29.0	London station	3,516
		NELSON AND FORT SHEPPARD RAILWAY	
	Miles from Inter. Bdy.		
	0.0	International boundary	1,372
	0.5	Pend d'Oreille River, high water, 1,344; low water, 1,309; rail	1,358
	0.7	Waneta station	1,358
	4.7	Sayward "	1,613
	7.4	Beaver Creek bed, 1,794; rail	1,818
	9.8	Beaver siding	1,984
	11.7	Champion station	2,008
	12.8	Slough of Beaver Creek, bed, 2,003; rail	2,012
	19.6	Meadow siding	2,328
	20.8	Summit, opposite Summit Lake, rail	2,352
	22.4	Erie station	2,343
	22.7	North Fork Salmon River, bed, 2,322; rail	2,333
	25.2	Salmo station	2,181
	28.2	Boulder Brook, bed, 2,268; rail	2,276
	32.8	Ymir station	2,298
	36.3	Porto Rico station	2,587
	36.3	Falls Brook, bed, 2,578; rail	2,584
	39.1	Hall Brook, bed, 2,756; rail	2,756
	40.0	Hall siding	2,828
	42.4	Summit siding	3,036
	44.0	Summit, ground, 3,083; rail	3,078
	47.3	East Fork, Cottonwood Brook, bed, 2,688; rail	2,716
	50.0	Nelson siding	2,385
	51.3	Anderson Brook, bed, 2,109; rail	2,136
	55.0	Kootenay siding	1,778
	55.2	Kootenay Lake, high water, 1,767; low water	1,747
	60.3	Nelson station	1,781
		RED MOUNTAIN RAILWAY	
	Miles from Inter. Bdy.		
	0.0	International boundary	2,201
	0.3	Siding	2,222
	9.7	Roseland station	3,488
		VICTORIA AND SYDNEY RAILWAY	
	Miles from Victoria		
	0.0	Victoria station	57
	4.3	Royal Oak station	115
	7.9	Elk Lake " (summit)	255
	9.1	Keating "	201
	11.8	Saanichton "	170
	16.1	Sydney	22
		ESQUIMALT AND NANAIMO RAILWAY	
	Miles from Victoria		
	0.6	Victoria station	29
	0.8	Russell	43
	2.0	Summit, rail	58
	3.6	Esquimalt station	33
	4.7	Deadman River, high water, 3; rail	18
	5.0	Stewart station	43
	6.0	Parson Bridge station	83
	7.3	Mill stream, bed, 136; rail	196
	8.4	Langford station	248
	9.6	Bay of Langford Lake, water, 213; rail	215
	11.0	Goldstream station	283

Miles from Victoria	ESQUIMALT AND NANAIMO RAILWAY	Elevation
11.2	Gold Stream, bed, 239; rail	253
13.4	Double-head cañon, bed, 329; rail	439
17.2	Niagara cañon, bed, 365; rail	563
15.1	Arbutus cañon, bed, 387; rail	572
15.6	Tunnel, ground, 724; rail	613
20.3	Summit station, ground, 921; rail	916
28.0	Shawnigan Lake station	383
28.0	Shawnigan Lake, high water, 380; low water, 376; rail	383
31.0	Cobble Hill station	369
32.7	Victoria and Nanaimo road crossing	231
35.0	Cowichan station	128
38.0	Koksilah "	24
38.8	Koksilah River, high water, 3; rail	24
40.0	Duncan station	25
40.2	Cowichan River, water, 24; rail	53
41.8	Holmes Creek, bed, 19; rail	24
42.3	Kier Creek, bed, 15; rail	50
42.8	Seneos station	83
43.1	Kier Creek, bed, 75; rail	85
43.8	Davie Creek, bed, 96; rail	163
44.7	Summit, ground, 156; rail	146
47.0	Westholme station	93
47.8	Hall Creek, bed, 13; rail	23
49.0	Chemainus River, water, 11; rail	28
52.0	Chemainus station	28
52.1	Chemainus Creek, bed, 71; rail	163
54.9	Creek, water, 137; rail	99
56.0	Summit, ground, 181; rail	163
57.0	Road crossing	177
59.0	Oyster Bay siding	123
62.0	Oyster Bay station	58
63.1	O'Brien swamps, water, 89; rail	63
64.0	Summit, ground, 121; rail	96
65.2	Haslam Creek, water, 89; rail	118
66.0	Nanaimo River, extreme high water, 68; low water, 43; rail	96
68.0	Alexandra station	133
69.8	Vancouver Coal Co. Ry. crossing, V. C. Co. Ry., rail, 64; E. & N. Ry., rail	128
71.6	Chase River, water, 36; rail	81
72.6	Summit, ground, 168; rail	92
73.4	Nanaimo station	155
78.0	Wellington "	125
		377
Miles from Hazelton	EXPLORATORY SURVEY FOR RAILWAY—HAZELTON TO DEASE LAKE	
0	Hazelton, head of steamboat navigation, Skeena River	725
7	Kispiox "	795
55	Grade, 3 miles below Alawkish River	1,296
58	Alawkish River crossing, grade	1,250
60	Kuldo "	1,280
67	Old Kuldo, site of	1,385
125	Confluence of Sestoot and Skeena rivers	2,256
144	Confluence of Bear and Sestoot rivers	2,620
151-163	Bear Lake	2,900
193.5	Divide between Bear Lake and Driftwood River	2,920
190	Grade	3,000
193.5	Skeena River crossing, grade	3,190
216	Skeena-Stikine summit— By barometric levels from Hazelton	4,410
"	" " Dease Lake	4,325
169	Summit between Lake Branch of Skeena and East Branch of Stikine River	4,150
225	Confluence of Glanier and East branches of Stikine River	3,790
240	Grade opposite Horn Mountain	3,740
263	End of O'Dwyer's exploration (1888)	3,650
308	Stikine River, at mouth of Pitman or Blair River	3,470
321	Stikine River, at mouth of Cottonwood Creek	3,140

Miles from Hazelton	EXPLORATORY SURVEY FOR RAILWAY—HAZELTON TO DEASE LAKE	Elevation
341	Jones Creek crossing, grade.....	2,900
346	Summit between Moose Creek and Stikine River.....	3,614
348	Moose Lake.....	3,550
355	Valley of Moose Creek.....	3,380
366	Head of Parmigan Creek.....	5,000
372	Summit between Gnat and Parmigan creeks.....	5,300
375	Gnat River, water.....	5,132
380	Gnat River.....	4,460
384	Gnat Lake, water 4,140; grade.....	4,164
387	Gnat River, water.....	4,040
393	Tanzilla River, water 3,320; grade.....	3,370
402	Arctic-Pacific watershed.....	2,860
405	Dease Lake, south end.....	2,750
Miles from Skagway	WHITE PASS AND YUKON RAILWAY	
0 0	Skagway station.....	29
4 5	Boulder ".....	217
6 0	Viaduct ".....	456
7 0	Rocky Point station.....	646
9 0	Clifton ".....	877
12 0	Hency ".....	1,582
14 0	Glacier ".....	1,881
16 0	Tunnel ".....	2,214
20 5	Summit, of White pass, Coast Range, rail.....	2,897
24 5	Summit, highest point on line.....	2,952
25 0	Meadows station.....	2,929
28 0	Fraser ".....	2,780
33 0	Log Cabin ".....	2,928
41 0	Bennett ".....	2,170
47 0	Lake Bennett, water.....	2,161
53 0	Paxy station.....	2,170
53 0	Pennington station.....	2,172
68 0	Caribou ".....	2,171
74 0	Lansdowne ".....	2,292
80 0	Lorne ".....	2,362
86 0	Wette-Lee ".....	2,452
89 0	Summit, rail.....	2,583
91 0	Robinson station.....	2,742
97 0	Cowley ".....	2,527
102 0	Dugdale ".....	2,437
107 0	Wigon ".....	2,372
109 5	Opposite White Horse rapids, rail.....	2,130
112 2	White Horse station.....	2,080

NOVA SCOTIA—SUNDRY ALTITUDES	Elevation
Annapolis County	
North Mountain, one mile S. E. of Port George.....	450
" " three and one-half miles E. of Port William.....	500
" " three miles S. E. of Clute Cove.....	600
" " near Belleisle, P. O.....	598
" " four miles N. E. of Annapolis.....	500
" " near Lower Granville.....	700
" " east side of Digby Gut.....	610
South Mountain, near Bridgetown.....	550
" " near Annapolis.....	515
Antigonish County	
Tracadie, hills two miles S. of.....	400
Sugar Loaf Hill (Antigonish).....	750
Antigonish Harbour, P. O., hill one mile N. W. of.....	600
George, Cape.....	310
" " hills one mile W. of.....	600
Sugar Loaf Hill (Malignant Brook).....	680
Back Settlement Arisang, hill two miles E. N. E. of.....	1,010
" " hill one-half mile S. of.....	1,000
Egg Mountain.....	1,000
Dunnaglass, hill one mile E. N. E. of.....	800
Colchester County	
Cobequid Mountains, summit of Mapleton and Lower Five Islands road.....	840
" " " Tatamagouche and Debert road.....	710
" " " near Follegh station.....	800
Red Head.....	500
Economy Point, hill behind.....	500
Cumberland County	
Head of Amherst.....	160
Boss Point, summit.....	210
Springhill, summit.....	610
Rodney corner.....	625
Claremont Hill.....	565
Windham Hill.....	6.5
Westchester village.....	745
Sutherland Lake.....	730
Mapleton village.....	210
Cobequid Mountains, summit of River Philip and Economy road.....	800
" " " one mile N. of Farmington.....	835
" " " one mile S. E. of Farmington.....	895
" " " one mile S. of Westchester.....	945
" " " two miles S. S. W. of Westchester station.....	870
" " " four miles S. S. E. of " ".....	900
The Cobequid Range extends, in a nearly east-and-west direction, along the north side of Minas Basin, with a width of nine or ten miles and a height of 900 or 1,000 feet, some of the culminating peaks probably reaching.....	1,100
Wentworth village.....	210
Lower Wentworth village.....	160
Mount Pleasant, cross road north of.....	195
Warren village.....	225
Salem.....	450
Little River village.....	350
Chapman settlement.....	110
Hansford Hill.....	295
Chignecto, Cape, hill two miles E. N. E. of.....	730
" " " six miles N. E. of.....	890
Haute, Isle.....	320
Cape Breton County	
Rhumore Cape, hill one mile south of.....	600
Coxheath Hills, seldom exceed.....	550
Cox Hill.....	550
Shenacadie Hill.....	670
George Mountain.....	890
Boisdale Hills.....	700

NOVA SCOTIA—SUNDRY ALTITUDES	Elevation
Digby County	
Hill, west side of Digby Gut.....	560
South Mountain, west side of Bear River.....	460
Prim Point.....	400
Digby Neck, summit near Waterford, P.O.....	425
Long Island, summit of.....	210
Guysborough County	
Middle Country Harbour, hill one mile N.W. of.....	455
" " " " hill two miles W.N.W. of.....	474
New Harbour River, hill near head of.....	380
Bear Hill, east of Ingersoll Lake.....	725
Halifax County	
Halifax Citadel.....	327
Joshlers Head, summit.....	280
Clam Harbour, hill two miles north of.....	290
Sheet Harbour, hills at head of.....	200
Salmon River, hill one mile N.E. of mouth.....	300
Bedford Basin, hills to E. and W. of.....	330
Inverness County	
Bear Hill.....	750
High Capes, lat. 47.....	1,000
Poulet Cove, hill to south.....	700
Red Cape.....	480
Pleasant Bay P.O., hill two miles N.E. of.....	1,100
" " " " hill one mile S.W. of.....	1,270
White Capes.....	850
Cape Rouge, hill one mile N.E. of.....	1,260
Prosquille, hill one mile E. of.....	1,090
Cheticamp Hills, north summit.....	1,100
" " " " south summit.....	1,130
Squirrel Mountain.....	1,220
Margaree, hill two miles E. of.....	830
" " " " one mile S. of.....	600
Marsh Point Hills.....	560
Mabou Highlands.....	1,000
Long Point Hills.....	700
Calder Hill.....	750
Dallas Brook Hill.....	768
Salt Hill.....	717
Craigie Hill, west summit.....	850
" " " " east summit.....	980
Little Narrows, hill two miles west of.....	820
Kings County	
Blomidon, Cape.....	570
Split, Cape.....	490
North Mountain, summit, two and half miles S.E. of Shoal Point.....	500
" " " " four miles E. of Morden.....	500
Pictou County	
Bailey Brook P.O. hill one mile, S.E. of.....	750
Bedford, hill near.....	847
Dalhousie or Fitzpatrick Mountain.....	950
Heathbell, hill one mile E. of.....	546
Victoria County	
St. Paul Island, north summit.....	400
" " " " south summit.....	500
North Cape.....	1,000
North Cape district is an elevated plateau, with a mean elevation of 1,200 feet, and attaining, at some points, an elevation of.....	1,500

NOVA SCOTIA—SUNDRY ALTITUDES		Elevation
Victoria County		
	Wilkie Sugar Leaf Mountain	1,200
	Black Head, hill one and half miles S.W. of	900
	Red Head	272
	Ingonish Mountain	1,352
	Ingonish Harbour, hill at head of	700
	Srooke Cape	950
	" hill behind	1,218
	North Shore P.O., hill two and half miles west of	900
	Hill one mile from mouth of McAskill Brook	960
	St. Anne Mountain	1,070
	St. Anne Harbour, hills at head of	500-600
	Cape Dauphin Hills, summit near Cape Dauphin P.O.	1,045
	" " " Otter Point	915
	" " " Port Bevis	740
	Bucklaw Hill	952
	Hunter Mountain	680
	Mackay Point	610
	DARTMOUTH CANAL (abandoned)	
Miles from Dartmouth	0 0 Halifax Harbour at Dartmouth	0
	0 7 Dartmouth Lake	67
	3 3 First Shubenacadie Lake (summit level)	93 3
	7 2 Second " "	63 3
	12 6 Fletcher Lake	51
	16 4 Great Shubenacadie Lake	38 2
	25 0 Foot of lock No. 12	28 2
	27 5 " Tremaine lock (No. 13)	18
	33 7 Black Rock lock (No. 14)	12
	44 0 " Fort Ellis tide-lock	0

	ST. JOHN RIVER TO CHALEUR BAY	Elevation
From the Report of the Commissioners on the Northeastern Boundary (Elevations reduced to mean tide at St. John)		
Tobique River, two miles above Gulgnae River	439	
Blue Mountain	1,711	
at mouth of Blue Mountain Brook	530	
three miles above	575	
four miles below Nictau	583	
two miles above North Fork	647	
North Fork, nine miles from mouth	694	
1st portage, about twenty miles from Nictau	716	
2nd portage	750	
4th portage at Upper Forks	771	
two miles above	811	
two and half miles above Upper Forks	879	
three miles below Nictau	872	
Nictau Lake	886	
Bald Mountain (Nictou Lake)	2,594	
Rising ground, three miles N.E. of Nictou Lake	1,778	
Ridge between Tobique and Nepisiguit rivers	2,200	
Nepisiguit River, branch of	1,826	
conical hill, one mile N.E. of last	2,151	
high peak, three and half miles from conical hill	2,321	
Side of range of hills forming divide between Nepisiguit and Upsalquitch rivers	1,611	
Hill three miles from last	2,153	
Upsalquitch River, small brook, running N.W.	1,242	
small brook, running S.E.	1,561	
head of lumber road	1,251	
at lumber camp on branch	693	
one and half miles from bank of river	981	
hill two miles from lumber camp	1,303	
one and half miles from last	952	
West Br., three miles above forks	329	
three miles S.W. up a brook	833	
Main South Br., at Ramsay portage	379	
Little South-east Br., at Ramsay's camp	649	
two miles east of Ramsay's camp	1,156	
Hill, two miles east of Ramsay's camp	1,540	
Hill, thirteen miles east of Ramsay's camp	1,325	
Jaquet River, edge of	544	
top of bank	1,045	
Brook, in deep ravine, running east	739	
Blue Mountain, north side of	1,172	
Hill, one mile north-west of camp on Jaquet River (hill considerably higher on left)	1,152	
Camp near Big Hole Brook	1,426	
Portage road from Nash Brook	280	
Middle River, eight miles above Chaleur Bay	262	
at falls	498	
at Burnt camp	667	
Two miles north-west of Burnt camp	867	
Middle River, Ferguson's lower camp	904	
Ferguson's upper camp	924	
above Ferguson's upper camp	1,093	
Two miles west of last station	1,243	
Large brook	1,036	
Range of hills running south-west	1,647	
Hill	1,820	
Hill	1,694	
Small brook, running south	1,374	
Top of ridge	1,967	
Top of ridge	2,085	
Ravine, running west	1,320	
North side of ridge	1,516	
Upsalquitch Lake	862	
Upsalquitch Lake, mountain half mile west of	1,815	
Brook, branch of Nepisiguit River	1,142	
Conical hill	2,264	

	UPSALQUITCH RIVER	Elevation
	Confluence with Restigouche River.....	50
	Mouth of Greg Brook.....	85
	Mouth of Boland Brook.....	115
	Mouth of Northwest branch.....	180
	Mouth of Meadow Brook.....	400
	MAIN NORTHWEST MIRAMICHI RIVER	
	Mouth of Big Sevogle Brook.....	50
	Chaplin Island.....	70
	Portage River.....	118
	Tomogons River.....	170
	Sevogle River at 'Square Forks'.....	175
	LITTLE SOUTHWEST MIRAMICHI RIVER	
	Head of settlement, twelve miles from mouth.....	125
	Mouth of Catamaran Brook.....	150
	NEPISIGUIT RIVER	
	Foot of Pabineau falls.....	40
	Middle landing.....	95
	Foot of Grand falls.....	167
	Upper basin, Grand falls.....	252
	Foot of 'Narrows'.....	292
	Head of 'Narrows'.....	312
	Mouth of Nine-mile Brook.....	400
	Mouth of Fortynine-mile Brook.....	460
	Half mile above Fortynine mile Brook.....	525
	Foot of Indian falls (Geological Survey).....	575
	(Ganong).....	632
	Country to south of river, at Indian Falls.....	1,265
	Country north of river, below mouth of Fortyfour mile Brook.....	1,165
	At foot of Mount Cartier.....	715
	At mouth of Portage Brook (Geological Survey).....	720
	(Ganong).....	843
	Second Nepisiguit Lake.....	980
	Nepisiguit Lake (Geological Survey).....	996
	(Ganong).....	1,011
	NEW BRUNSWICK—SUNDRY ALTITUDES	
	Albert County	
	Hopwell Cape, hill to west.....	450
	Albert, hill two miles N.W. of.....	800
	Albert, hill five miles N. of.....	1,230
	New Horton.....	270
	Matthews Head.....	712
	New Ireland.....	1,100
	Red Head, hill immediately behind.....	660
	Shepsody Mountain.....	1,050
	Elgin corner.....	373
	Elgin, hill three miles east-south-east of.....	1,200
	Fork of road at Golden Falls.....	1,200
	Golden Mountain.....	1,150
	Alms, summit of plateau to north.....	1,250
	Church Hill.....	1,200
	Caledonia Mountain.....	1,240
	In Albert county 'the crystalline ridge or plateau which stretches along the north-west side of the Bay of Fundy rises in broken ridges to an altitude of.....	1,300-1,400

GEOLOGICAL SURVEY OF CANADA

NEW BRUNSWICK—SUNDRY ALTITUDES	Elevation
Carleton County	
Iron-ore Hill.....	630
Johnville.....	640
Gordonville.....	840
Smith corner, hill south of.....	1,415
Pole Hill.....	355
Foreston, hill two and half miles north-west of.....	1,330
Glassville.....	770
South Knowlesville.....	770
Skedaddle Ridge.....	1,425
Cloverdale.....	350
Moose Mountain.....	1,490
Beaufort settlement, hill one mile east.....	1,175
Newburg settlement.....	565
Blowdown settlement, hill north of.....	530
Union corner.....	640
Ivy corner.....	670
Richmond corner.....	620
Jacksonville P. O.....	360
Scott settlement.....	470
Watson settlement.....	570
Briggs corner.....	540
Lindsay.....	450
Lindsay.....	315
Waterville.....	510
Ashland.....	305
Farmerton.....	515
Blossfield corner.....	455
McCafferty settlement.....	375
Centreville.....	630
Henderson corner.....	510
Gilmors Mills P. O.....	725
Knowlesville.....	775
Greenfield.....	290
Wicklow.....	635
Upper Knoxford.....	540
Canaan settlement.....	585
Flagstaff Hill.....	1,500
Golden Ridge.....	1,450
Kilfoil, hill three miles east.....	755
Carlow, cross roads.....	755
Charlotte County	
Victoria Lake.....	495
Pleasant, Mount.....	1,175
Eagle Mountain.....	854
Blair, Mount.....	610
Chamecock Hill.....	637
Grand Manan Island, Marks Hill.....	290
Utopia Lake, hill near outlet.....	510
Gloucester County	
Robertville.....	409
St. Louise.....	250
Paquetville.....	210
Kent County	
Boss River settlement.....	155
Girvan settlement.....	138
Spring Brook settlement.....	158
Peloran settlement.....	296
Galloway settlement.....	110
Scotch settlement.....	250
Country between heads of Salmon and Richibucto rivers.....	145 150
Country at head of Canaan River.....	250 260
Lake settlement.....	145
Bishopsland.....	286

ation

NEW BRUNSWICK—SUNDRY ALTITUDES

Elevation

Kings County

Bald Mountain (Ganong)	1,430
(Murdoch)	1,380
(Geological Survey)	1,200
Bull Moose Hill	750
Kingston Peninsula, ridge at south end	600
Hillsdale, hill four and half miles north east of	1,225
Fowler corner, hill near	675
Londonderry, hill north of	1,250
Cripp Hill	1,225
Mechanic Settlement P. O., hill four miles south-west of	1,400
Kars	288
Scotch settlement	690
East Scotch settlement	520
Callina corner	475
Snyder Mountain	720
Fenwick P. O.	605
Jordan Mountain	775
Whites Mountain	730
Springhill	450
Perry settlement	440
Picadilly Mountain	1,000
Pollet Lake	968
Shepody Road, P. O.	850
Barnesville	470
Markhamville, at manganese mine	700
Markhamville, hill, one mile north of mine	1,045
Salt Springs, P.O., one mile west of	700
Saddle Back settlement	1,000
Campbell Settlement P.O., hill east of	1,050
Pleasant Lake	1,200
Long settlement	1,200
Waterford, P.O.	840
Jeffrey, P. O.	375
Lak-field	500
Wanamake	650

Madawaska County

Green River Mountain	1,600
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Northumberland County

Hind Lake	1,450
McInnes Lake	1,465
Adler Lake	1,350
Serpentine Lake (Ganong)	1,240
(Geological Survey)	1,450
Serpentine River, stillwater, six miles below Serpentine Lake	1,212
Doaktown, plateau south of	400
Height of land between Cain and Gaspeaux rivers	270
Hills west of confluence of Monahan Brook and Renous River	800
Blackville, plateau northwest of	200
Pleasant Ridge	500
Dungarvan River, headwaters of	1,015
Black River settlement	100
Nepisiguit River at Indian Falls, hills three miles S.E. of	1,500
Bartibog settlement, cross roads	250
Nalask Mountain, at lower end of Serpentine stillwater	2,520
Toweriff, Mount	2,108
La Tour, Mount	2,060
Denys, Mount (Ganong)	1,833
(Geological Survey)	1,922
Enaud, Mount or Bald-face Mountain	1,020
Nictor-Nepisiguit portage, at crossing of Caribon Brook	984
First Nepisiguit Lake (Geological Survey)	956
(Ganong)	1,011
Second Nepisiguit Lake (Geological Survey)	480

NEW BRUNSWICK—SUNDRY ALTITUDES	Elevation
Northumberland County	
Nepisiguit River, at mouth of Portage Brook	843
" " at camp near foot of Mount Cartier	715
" " at lower end of Indian falls	432
" " at mouth of Nine-mile Brook	429
Carleton, Mount (Ganong)	2,646
(Ganong and corrected levels of Boundary Commission, 1840, combined)	2,716
Head, Mount	2,439
Bald Mountain (Nepisiguit)	1,922
Bald Mountain (Lower South Branch)	2,500
Upsalquitch Lake	790
Upsalquitch Lake, mountain north-west of	2,186
Mountainous country between Nepisiguit and Upper Southwest Miramichi River: general level 1,200-1,300, with peaks rising to	2,600-2,700
Little Bald Mountain (Northwest Miramichi R.)	2,075
Restigouche County	
Nictor Lake (Boundary Commission, 1840, corrected)	886
(Ganong)	864
(Geological Survey)	828
mean of above	847
Sagamook or Big Bald Mountain (Ganong)	2,497
(Geological Survey)	2,537
(Boundary Commission, 1840, corrected)	2,604
Gordon, Mount	1,552
Bailey, Mount	1,714
Franquelin Hill	1,239
Gardens Hill	1,164
Dalhousie, Mount	715
Slate Mountain	2,080
Snow Mountain	2,000
Sugar Leaf Mountain (Campbellton)	950
Central watershed, between Gulf of St. Lawrence and Bay of Fundy	800-1,000
St. John County	
Cape Spencer, hill two and half miles E. N. E. of lighthouse	697
Rogers Head	400
Found Head	380
Little Salmon River, hill near mouth of	650
Grass River, hill near mouth of	735
Latimore Lake	392
Douglas Lake	230
Lech Lomond	392
Menzie settlement	150
Willow Grove	397
Hardingville	430
Wood Lake	522
Otter Lake	315
Queens County	
Headline settlement, cross roads	495
Clones settlement	400
Frederick road, side road to Enniskillen station	435
Olinville	400
Hibernia	700
Bald Hill	700
McDonald corner, one and half miles west of	360
English settlement, side road	565
Canaan River, at mouth of Coy Brook	95
Sunbury County	
Hardwood Ridge settlement	400
Doherty corner	322
Boyne settlement	365

ation

NEW BRUNSWICK—SUNDRY ALTITUDES

Elevation

Sunbury County

Darby Gillians	400
Victoria settlement	325
Greenfield settlement	175
Peltona settlement, hill three miles N. E. of	640

Victoria County

Trousers or Tobique Lake (Ganong)	1,243
..... (Geological Survey)	1,300
Milpagos or Mud Lake	1,333
Gulquac Lake	1,330
Grays Lake	1,370
Merithew Lake	1,390
Indian Lake	1,405
Trout Lake	1,445
Furbish Pond	1,470
Long Lake (Ganong)	1,526
..... (Geological Survey)	1,370
Milnagok or Island Lake	1,510
Crest of watershed ridge between Long Lake and Little Southwest Miramichi Lake	1,731
Kincardine settlement, hill one mile east	1,465
Birch Ridge	840
Four Falls	355
Assostok Portage P. O.	625
California P. O.	670
Third Lake, Don branch of Tobique River	1,248
Portage from Third Lake to Portage Lake, summit	1,508
..... " " " first beaver pond	1,418
..... " " " second beaver pond	1,575
Hind Lake	1,288
McInnes Lake	1,450
McInnes Lake	1,465
Nictau or forks of Tobique River	576
Blue Mountain (Boundary Commissioners, corrected)	1,597
..... (Geological Survey)	1,724
Bald Head or Riley Mountain	1,866
Tilley Settlement	650
Ridge on Kintore and Red Rapids road	1,095
Andover, hill two miles west of	735

Westmoreland County

Irishtown	400
Summit between Dover and Memramcook	393
Moncton road, highest point	195
Beech Hill	490
Atoushagon P. O.	216
Halls Hill	150
Folly Point	315
Mount Umacke	210
Dorchester Cape, summit	390
Emigrant settlement	135
Maringouin, Cape	230
Cape Bald settlement	100
Lutes or Indian Mountain	450
Steeves Mountain	373

York County

Cherry Hill	808
Fredericton, plateau above	418
Skiff Lake	450
Carroll Ridge, near Skiff Lake	1,000
Pemberton Ridge	750
Peltona settlement	550
Oronocto Lake	415
Oronocto Lake, ridge south of	565
Oronocto Lake, ridge west of	550

443
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22
90
70
86

12,700
175

86
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28
47
197
37
94
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74
239
164
715
900
50
1,000

697
400
380
650
735
302
230
302
150
207
430
122
345

495
400
435
490
700
700
360
565
95

400
322
365

NEW BRUNSWICK—SUNDRY ALTITUDES		Elevation
York County		
Grand and North Lakes, hills north of		750 800
Canterbury, hill one mile north-east of		750
Country between Taxis and Nashwaak rivers	900	1000
Boiestown and Fredericton road, summit about four miles south of Boiestown		650
Manners Sutton P. O.		575
Roach settlement		465
Allendale settlement		575
Nortondale settlement		470
Cross Creek settlement		715
Green Hill settlement		725
Williamsburg settlement		1,050
Campelton settlement		660
Goodenale settlement		830
Stanby village		330
Cranberry Lake		486
George Lake		430
First Eel River Lake		520
Second Eel River Lake		550
Magaguadavic Lake		377
Bald or Wadawanketch Mountain (Cranberry Lake)		900
Fifth Digloquash Lake, hills to west of		325
Magundy P. O., hill to west of		750
Prince William P. O., hill two miles south-west of		725
Springfield Hill		700
McLeod Hill		416
Howland Ridge		945
Upper Hainesville, hill two miles north of	1,100	
Maple Ridge		875
North Lake, hill one mile south-east of		900
Mapleton		690
Lower Caverhill settlement		700
New Zealand settlement		405
Zionsville settlement		620
Mount Hope		400
Upper Durham settlement, east of		620
Richibucto road, one mile west of county-line		385
NEW BRUNSWICK AND MAINE BOUNDARY		
St. Croix River		154
" Grand falls, foot		182
" head		190
Spednic falls, foot		203
" head		212
Canoose ripples, foot		219
" head		224
Haycock ripples, foot		230
" head		234
Meeting-house ripples, foot		241
" head		250
Hog Island ripples, foot		261
" head		262
Rocky ripples, foot		271
" head		291
Cedar Island ripples, foot		302
" head		309
Pork ripples, foot		321
" head		321
Little falls, foot		326
" head		378
Sandy Bay		378
Palfrey Lake		378
Chipmatneticook Lake		418
Mud Lake		427
North Lake		427
Grand Lake		427

Miles from Monument	NEW BRUNSWICK AND MAINE BOUNDARY	Elevation
0.0	Monument at source of East Branch St. Croix River.....	589
1.5	Alder Brook, water.....	449
2.8	Mud Brook.....	487
5.0	Winey Brook.....	531
10.5	Stream (near crossing of Houlton branch, Canadian Pacific Ry.).....	536
11.6	Parks Hill, highest part on line.....	814
19.4	South branch Meduxnakeg River, water.....	365
22.5	North branch Meduxnakeg River, water.....	326
23.3	Northeast branch Meduxnakeg River ("The Dead Stream"), water.....	337
26.0	" " " " " " " ".....	400
27.5	" " " " " " " ".....	411
33.0	Hill, highest part on line.....	616
34.9	Frasier River, water.....	322
38.8	Latitude of Mars Hill.....	527
	Mars Hill (in Maine, one mile west of line).....	1,688
42.6	Guisguet River, water.....	460
44.1	Hill, highest part on line.....	750
45.3	River des Chutes, water.....	432
47.3	Blue Hill, highest part on line.....	1,971
50.6	Camp Brook, water.....	679
57.7	Arrostook Hill, highest part on line.....	885
58.9	Arrostook River, water.....	345
60.2	Hill, highest part on line.....	717
62.1	Limestone River, water.....	717
65.2	" " " " " " " ".....	476
69.7	Province Branch Limestone River, water.....	598
71.7	Pekonik Hill.....	847
74.0	Rap. de Femme Brook, water.....	597
74.9	North Br. Rap. de Femme Brook, water.....	601
75.8	Hill, south side of St. John River.....	772
77.2	River St. John, at head of Grand falls.....	419

HEIGHT OF LAND BETWEEN RIVER ST. LAWRENCE AND THE GULF OF ST. LAWRENCE AND ATLANTIC OCEAN

NOTE.—These altitudes were measured by Major J. D. Graham, U.S.A., along the line claimed by the United States as the northern boundary of Maine and New Hampshire. Commencing at the intersection of a due north line from the St. John River at Grand falls with the water parting between the Restigouche and the St. Lawrence—the so-called "North-west Angle of Nova Scotia"—it follows the height-of-land to the source of Hall Stream.

Near the north end of exploring meridian line from St. John River at Grand falls (so-called "North-west angle of Nova Scotia").....	1,519
Six miles south of head of L. Johnson.....	1,372
Three and half miles south of head of L. Johnson.....	1,677
Johnson or Mistigouchee Lake.....	1,027
At north end of Kedgewick Lake.....	1,841
At head of Kedgewick River.....	1,537
Follis Lake (Rimonski River), hill at lower end.....	1,069
West Br. Kedgewick River, hill three miles N. E. of source lake.....	1,638
" " " " " " " " height-of-land at source lake.....	1,249
Rimonski Lake, hill east of.....	1,639
Green River and Kedgewick portage, hill near north end.....	1,868
" " " " " " " " hill near south end.....	1,787
South Br. Kedgewick River, hill near head.....	1,792
Lake Tiarks, hill near head of.....	1,882
Tracy Brook (Goodrich Fork), near source.....	1,814
Newington Lake, hill near inlet.....	1,511
Island Lake, hill near outlet.....	1,251
Seven Lakes, near head of.....	1,235
St. Honoré, hill three miles north-east of.....	1,807
" " " " " " " " four miles south of.....	1,979
" " " " " " " " three miles west of.....	1,825
Hill near Little St. Hubert Lake.....	1,297
St. Francis station, near.....	1,530
Parke tp., near headwaters of River Verte.....	2,231
Polegamook tp., north-west corner, near small lake.....	1,092

ation

400
560
800
500
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665
775
750
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725
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830
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230
550
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750
700
416
445
100
875
800
890
700
665
820
400
820
385
154
182
190
203
212
219
224
230
234
241
250
261
262
271
291
302
309
321
321
326
378
378
378
418
427
427

HEIGHT OF LAND BETWEEN RIVER ST. LAWRENCE AND
THE GULF OF ST. LAWRENCE AND ATLANTIC OCEAN

	Elevation
Chabot tp., north-east corner	1,849
Woodbridge tp., south-east corner	1,878
Painchaud, centre of tp., near source of Manis River	1,936
Chapais tp., near Lake Ste. Anne	1,868
Lafontaine tp., in north-western portion, near headwaters of R. du Gue	1,690
Garneau tp., in north-east corner	1,898
Fournier tp., south-west corner	1,440
Arago tp., north-east corner	1,410
" east of Lake d'Apique	1,567
" west of Lake d'Apique	1,664
Patton tp.	1,403-1,720
Montminy tp., eastern portion	1,727
Roux tp., north-eastern portion	2,358
" lot 35, con. V	1,972
Ware tp., lot 5, con. XIV	1,995
Lake Etchemin	1,213
Cranbourne tp., Snowshoe pond, lot 40, con. XI	1,405
Languevin tp., lot 13, con. XII	1,753
" near Languevin P.O.	1,290
" lot 39, con. IV	1,340
" lot 48, con. I	1,450
Metzgermette North tp., near Lake Abenagui	1,567
Metzgermette portage, hill two and half miles south	2,012
The height-of-land, between Metzgermette portage and source of Hall Stream, forms part of the International boundary between the United States and Canada.	
Metzgermette South tp., con. II	1,995
" Portage Lake	1,590
" lot 19, con. XII	2,338
Linier tp., lot 110, con. II, sec. C	2,400
Risborough tp., lot 3, con. I	2,033
" lot 15, con. II	2,835
" lot 17, con. II	1,858
" Hogback Hill	2,381
" lot 19, con. XI	1,685
Ditchfield tp., Moose Hill	2,862
Louise tp., two and half miles from north-east angle	3,113
" at headwaters of Spider River	1,554
Woburn tp., Mount Gosford	3,658
" two miles S.W. of Mt. Gosford	3,172
" lot 18, con. V	2,225
Chesham tp., Saddleback Mountain	3,198
" lot 25, con. X	2,288
" near N.E. angle of New Hampshire	2,568
Emberton tp., lot 6, con. IV	3,408
" lot 22, con. IV	2,376
" lot 32, con. III	2,800
" lot 50, con. I	2,282
Auckland tp., lot 23, con. VIII	1,960
" at head of Hall Stream	1,825
^a Between the Metzgermette portage and Lake Etchemin the minimum height is (L. Etchemin) 1,213 feet; maximum	1,718
Between Lake Etchemin and River Ouelle, minimum is 1,306; maximum	2,854
Between the head of the River Ouelle and the Temisouata portage, minimum is 833; maximum	2,231
Between first crossing of the Temisouata portage and Mount Paradis, mini- mum is 967; maximum	1,983
Between Temisouata portage and head of the Baibouscache, minimum is 676; maximum	1,510
Between the head of the Baibouscache and Rimouski Lake, minimum is 651; maximum	1,824
Between Rimouski Lake and the 'Northwest angle', minimum is 1,014; maxi- mum	1,841

^a Executive Documents, 27th Congress, 3rd Session, 1842-43.

LAKE ST. JOHN TO MISTASSINI AND WASWANUPI LAKES	Elevation
(Measurements by H. O'Sullivan, P.L.S.)	
NOTE.—As the published elevations were based on an assumed elevation of 300 feet for Lake St. John, a uniform addition of 15 feet has been made to reduce to mean sea level.	
Chegoishi Lake	1,106
<i>Nikoban River</i> —	
Nikoban Lake	1,165
Jordan "	1,171
Obaniskachi Lake	1,175
Branch Lake	1,179
Narrow Ridge Lake	1,205
Whitefish Lake	1,235
Height of land between River St. Lawrence and Hudson Bay	1,280
<i>Obataganan River</i> —	
Lake at west end of Height of land portage	1,240
Obataganan Lake	1,135
Lake on Mistassini canoe route, lat. 49° 41'	1,169
Lake-expansion, lat. 49° 35' N.; long. 74° 38' W.	1,127
Pros'ide Lake	1,074
Mouth of large tributary from south lat. 49° 41' N.; longitude 74° 55' W.	1,060
" " " south lat. 49° 40' N.; longitude 75° 00' W.	1,065
" " " east lat. 49° 45' N.; longitude 75° 07' W.	990
Lake-expansion, long. 75° 22'	932
Mouth of Chibogaganan River	901
Confluence with Waswanipi River	763
<i>River du Chef</i> —	
River du Chef, at confluence with Nikoban River, 'The Forks,'	928
Foot and head of Moose portage	944 954
Mouth of River Azianne	962
Three-quarters of mile below Bonbeau portage	997
Mouth of River Nestakano	1,075
Mouth of Otter Creek	1,135
Foot of Petite Grande Merle	1,180
Mouth of Petite Meule River	1,200
Head of two portages	1,260
At foot and head of Swanopy portage	1,275 1,333
Old-man Lake	1,345
At foot and head of Old-man portage	1,351 1,400
Canoe Lake	1,420
Loon Lake	1,465
File-axe Lake	1,485
Height of land between River St. Lawrence and Hudson Bay	1,515
Perch River, at west end of portage from height of land	1,475
Perch River, at east end of portage to Lake Mistassini	1,230
Lake Mistassini	1,215
Lake Mistassimis	1,301
Lake Clair	1,250
Sikawako River, at mouth of Lake Clair Brook	1,240
Porcupine Mountain, near last	2,140
<i>Foan-fall River</i> —	
Askitchi Lake	1,204
Lake-expansion, lat. 49° 00'	1,205
Kapudigotth Lake	1,207
Normandin Lake	1,280
Height of land between Foan-fall and Clearwater rivers	1,280
<i>Clearwater River</i> —	
Clearwater Lake	1,341
Lake-expansion, lat. 48° 48'	1,293
Pemisskash Lake	1,260
<i>St. Maurice River</i> —	
Sandy-beach Lake	1,237
Assiwanan, Lake	1,235
Travers, Lac de	1,237

LAKE ST. JOHN TO LAKE MISTASSINI AND NIKABAU LAKE TO DESERT	Elevation
(Barometric observations by J. Richardson in 1870)	
<i>St. Maurice River—Con.—</i>	
Shaguis Lake	1,217
At Kikendatche.....	1,215
<i>Ashwapmucuan River—</i>	
Head of Rocky portage	494
Head of St. Ange portage.....	489
Head of Bear portage.....	512
Foot of Stony portage.....	543
Head " ".....	545
Foot of Pumakaw rapid	589
Head " ".....	617
Mouth of Big Stony River.....	617
Head of Flat rapid.....	643
Head of White Spruce rapid.....	706
Head of Hawk Mountain rapid.....	1,200
Hawk Mountain, on east bank.....	718
Foot of Chaudière Falls.....	838
Head " ".....	853
Mouth of Chegoish River.....	875
Head of "The Two" portages.....	894
Mouth of Pike River.....	922
Head of First Step portage.....	943
Mouth of Step Portage Brook.....	959
Mouth of La Loche Brook.....	1,250
Hills to east of river.....	975
"The Forks", junction of du Chef and Nikabau rivers.....	
<i>Nikabau River—</i>	
Head of 3rd portage from forks.....	1,000
Head of 4th " ".....	1,099
Head of 5th " ".....	1,115
Head of 5th " ".....	1,178
Mouth of Sap tree River.....	1,184
Ashwapmucuan Lake.....	1,207
Head of Pole rapid.....	1,227
Head of Two Portage rapid.....	1,251
Head of Crooked rapid.....	1,296
Nikabau Lake.....	1,278
Branch " ".....	1,286
Narrow Ridge Lake.....	1,306
Whitefish Lake.....	1,750
Patrick Mountain.....	1,359
Height of land between River St. Lawrence and Hudson Bay.....	
<i>Otataganau River—</i>	
Foot of Cypress portage.....	1,239
Foot of Bear portage.....	1,224
Otataganau Lake.....	1,206
Chibogamau Lake.....	1,247
Paint Mountain.....	1,500
Sawcer Mountain.....	1,675
Juggler Mountain.....	1,600
Long Lake.....	1,367
Portage, Chibogamau to Wakonichi, summit.....	1,485
Wakonichi Lake.....	1,440
Hill at south-west extremity of Wakonichi Lake.....	1,640
Wakonichi Hill.....	1,825
Moss-covered Mountain.....	1,825
Lake Mistassini.....	1,381
The length in a straight line between the extremities of the north-east and south-west bays is nearly 100 miles, the average breadth of the main body being about 12 miles. . . . To the south of Mistassini, and running north of east is a ridge of hills forming an escarpment about 300 feet high and constituting the height-of-land.	
<i>Faux-fall River—</i>	
Nikabau Lake.....	1,266
Askitichi Lake.....	1,288

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900
990
115
178
184
207
227
251
296
278
296
306
350
359

239
224
206
247
500
675
699
367
485
449
840
640
825
381

LAKE ST. JOHN TO LAKE MISTASSINI AND NIKABAU LAKE TO DESERT

Elevation

<i>Foam-fall River—Con.—</i>	
Kapudigoitch Lake	1,290
Head of Foam-falls	1,332
Normandin Lake	1,360
Watershed between Foam-fall and Clearwater Rivers	1,418
<i>Clearwater River—</i>	
Clearwater Lake	1,393
Natoush Lake	1,340
Pemiskassh Lake	1,395
<i>River St. Maurice—</i>	
Sandy-beach Lake	1,289
Assiwamap Lake	1,280
Travers, Lac de	1,288
Hills six or seven miles south-east of Lac de Travers	1,675-1,875
At Kikendatch	1,275
<i>Hair-cutting Portage—</i>	
Leon Lake	1,345
Water-swamp Lake	1,395
Kowpettap Lake	1,249
<i>Hair-cutting River—</i>	
At end of portage to Kikendatch	1,290
Great Beaver Lake	1,415
Hair-cutting Lake	1,510
Watershed between Hair-cutting and Gatineau rivers	1,514
<i>Gatineau River, South Branch—</i>	
At west-end of portage	1,500
Skunk Lake	1,482
White-Bear Lake	1,450
Hills three or four miles south-east of White-Bear Lake	1,750-1,850
At "Great bend"	1,349
Two and half miles below Montopakush portage	1,510
Hills below Montopakush portage	1,350-1,750
At bend forty-nine miles above forks	1,232
Thirty-nine miles above forks	1,169
* Between thirty-seven and forty-nine miles above the forks the hills show occasional rocky summits	1,375-1,675
Twenty-nine miles above forks	1,079
Mouth of Blueberry River	1,659
Head of rapids, ten miles above forks	1,915
* The Forks, junction of North-west and South-east branches	815
<i>Gatineau River—</i>	
Head of Long rapid	700
Foot of	630
Foot of Dog portage	825
Foot of Sturgeon chute	516
Hamilton's farm	516
Mouth of Gens de Terre River	511
Head of Backing-up portage	447
Foot of Mountain portage	412
Foot of Brule portage	402
Foot of Big Eddy portage	394
Foot of Castor Blanc portage	390
Foot of Joseph portage	376
Foot of Portage des Eaux	370
Mouth of Desert River	369

ROUGE RIVER

At confluence with Ottawa River, summer water	130
Head of cascades, at Cousin's	329*
At smooth water, below Moore's	358*
Head of Hindleg rapid	376*
Head of Upper fall, Island chute	413*
Head of Burst-bag rapid	422*
Foot of Bell chute	435*

* The altitudes marked with an asterisk are approximately correct

266
288

ROUGE RIVER	Elevation
Head of Bell chute	454*
Head of Otter chute	462*
Mouth of Maskinongé River	469*
Head of Mountain chute	578*
Foot of Bevan or Cutlog rapid	603*
Head of Bevan or Cutlog rapid	622*
Foot of Devil rapid	633*
Mouth of Devil River	649*
Mouth of George Brook	670
Foot of Iroquois chute	674
Head of Iroquois chute	688
<i>George Brook—</i>	
At confluence with Rouge River	670
Lake Simon	702
Second small lake	785
Lake of Three Mountains	788
Green Lake	864
First lake N.W. of Lake of Three Mountains	846
Second " " " "	862
Third " " " "	875
Fourth " " " "	948
<i>Lakes and hills east of Rouge River—</i>	
Rouge River, at foot of Iroquois chute	674
Small lake on Trembling Lake portage	869
Long Lake	854
Great Beaver Lake	843
Trembling Lake	761
Pool below cascade at outlet of Trembling Lake	732
Trembling Mountain	2,474
Cone Mountain	1,370
QUEBEC—SUNDRY ALTITUDES	
Abitibi District	
Waswanipi Lake	680
Patikamiki Lake	744
Patikamiki Lake, hill west of inlet	1,250
Wettnagami Lake	1,005
Makustigan Lake	1,140
Divide between Wettnagami and Migiskun Rivers	1,150
<i>Migiskun River—</i>	
At mouth of Wedding River	700
Divide between Wedding River and Otter Creek (Waswanipi River)	920
Small lake-expansion, four miles below mouth of Kiask River	722
Shabogama Lake	850
Obaska Lake	882
Simon Lake	915
Height-of-land between Obaska branch and Grand Lake Victoria	1,000
At junction with canoe-route from Waswanipi via Wettnagami River ..	1,080
Lake-expansion at old H. B. Co. post	1,112
Mouth of Kekuk River	1,125
Height-of-land between Migiskun and Kapitschuan rivers	1,295
Abitibi, Lake	830
Agotawekami Lake	875
Obikoba, Lake	802
Mattawagosik Lake	840
* About a mile and a half south-west of Lake Mattawagosik, two remarkable hills rise to	1,530
Ashuanipi District	
Ossakmanuan Lake	1,600
Attikonak Lake	1,700
Height of land between Attikonak and Romaine rivers	1,750
Menihék lakes	1,750

* The altitudes marked with an asterisk are approximately correct.

QUEBEC—SUNDRY ALTITUDES		Elevation
Ashuanipi District		
Petitsikapu Lake		1,675
Sandgirt Lake		1,650
Jacopie Lake		1,630
Winokapu Lake		750
Hamilton River, at foot of Grand falls		900
" " head of Grand falls		1,222
East Main River at Sandy portage		1,400
Patamisk Lake		1,800
Bonaventure County		
Scaumenac, Mount.		1,745
Battery Point, hill two and half miles N.W. of		1,500
St. Louis Mountain		1,300
Carleton, Mount		1,830
Tracadigaah Mountain		1,230
West Point		400
Brome County		
Sutton Mountains, nearly		3,000
Owls Head Mountain		2,400
Massawippi Mountain		1,330
Charlevoix County		
Cape Eternity		1,500
Point à l'Abattis, peak two miles W. of		2,530
Grande Pointe, peak, two miles W. of		2,650
St. François Xavier, peak one and half miles N.W. of		1,970
Cape de la Baie, peak one mile N.W. of		2,067
Coudres Island, summit		350
Les Eboulements, Mount.		2,551
Les Eboulements, church		1,186
Murray Mountains, south peak		2,050
Murray Mountains, north peak		2,300
River Noire, peak six miles N.W. of mouth		1,879
Eagle Cape		807
Cape Dogs, peak behind		1,395
Gaspé County		
Magdalen Islands—		
Great Bird Rock		105
Bryon Island		200
Cape Alright		400
Alright Island, summit		420
Grindstone Island, summit		550
Amherst Island, summit		550
" " Demoiselle Hill		280
Entry Island, summit		580
Grosse Ile, west point		300
Anticosti Island—		
Summit		790
Bear Head		480
Table Head		260
Cape Sandtop		130
*The most elevated points on the south coast are at the mouth of Jupiter River, where cliffs rise on the east side to the height of from 80 to 100 feet, and on the west side to 150 feet. The whole of the north side of the island is a succession of ridge-like elevations of from		
Macastey Ridge, eleven miles from the west end, upwards of	300—500	400
High Cliff, eighteen miles east of Macastey Ridge		500
West Cliff		400
Charleton Point, one and quarter miles inland		400
Bonaventure Island		400
Perceé Rock		288

QUÉBEC—SUNDRY ALTITUDES		Elevation
Gaspé County		
Gaspé, Cape.....		692
Perce, or Table Roulande Mountain.....		1,230
Douglastown Mountain.....		1,500
Gaspé Basin, hill opposite.....		1,565
St. Alban Mountain.....		1,170
St. Joseph Mountain.....		1,000
Little Capes.....		1,000
Fame Point Mountain.....		1,000
Chlorodyorne Mountain.....		1,000
Louis, Mount.....		1,000
"Shickshock Mountains: their altitude increases as they proceed eastward so that, in the neighbourhood of the Ste. Anne and Cap Chat rivers, many of the main peaks have an elevation of more than"		3,500
Terrace Mountain, east peak.....		1,937
Richardson Peak.....		3,790
Richardson Peak, summit one mile north of.....		3,500
Albert, Mount.....		3,560
Barn Mountain.....		3,400
South Mountain.....		2,413
Table-top Mountain.....		4,000
Ste. Anne Lake.....		1,313
Ste. Anne Lake, 'peaks on east and west sides rise to'		2,900—2,800
St. Anne River, forks of.....		700
Old-man Mountain.....		2,669
Conical Mountain.....		1,910
Height-of-land between Chat and Great Cascapedia rivers.....		1,707
Kamouraska County		
Notre Dame du Portage, hill two miles E. of.....		850
L'Islet County		
Anse à Giles, hill five miles, S.S.E. of.....		1,140
L'Islet station, range five miles, S.E. of.....		1,390
Trois Saumons, peak ten miles E. of.....		2,090
St. Jean Port Joli, peak six and half miles E. of.....		1,240
St. Roch des Aulnais, peak seven miles S.E. of.....		1,066
Matane County		
Matawee Mount.....		3,365
Logan, Mount.....		3,708
Bayfield, Mount.....		3,471
Bayfield, Mount, peak three and half miles south of.....		2,969
Little Berry Mountains.....		1,500
Big Berry Mountains.....		2,000
Montmagny County		
St. Ignace, range four miles S.E. of, east summit.....		1,095
" " " " west summit.....		1,220
Ste. Anne, Mount.....		2,680
St. Joachim Hill.....		610
Cape Tourmente.....		1,874
Cape Tourmente chapel.....		1,692
Cape Tourmente, hill three miles N.W. of.....		1,745
Cape Tourmente, hill one and half miles N. of.....		1,590
Cape Rouge, peak one mile W. of.....		1,955
Cape Rouge, peak one mile N.N.W. of.....		1,710
Cape Gubanne, peak one and half miles N.W. of.....		2,215
Cape Gubanne, peak two miles N. of.....		2,070
Anse aux Vaches, peak one and half miles W. of.....		1,890
Sault aux Cochons, peak one and half miles W. of.....		2,365

QUEBEC—SUNDRY ALTITUDES		Elevation
Montmorency County		
Orleans Island, summit		500
Montmorency River, range to east, summit, lat. 46° 59'		2,144
" " " " " 47° 01'		2,447
Chateau Richer Hills, summit three miles N.W. of village		1,405
" " " " " six miles N.W. of village		2,395
" " " " " two miles N. of village		1,085
" " " " " Single-tree Mountain		2,060
Ste. Anne-de-Beaupre Hills, south peak		2,505
" " " " " north peak		2,629
Ottawa County		
McGregor Lake		458
Donaldson Lake		336
Grand Lake		604
McArthur Lake		530
Wakefield Lake		531
Dodge Lake		525
Lievre River at end of Dodge Lake portage		415
McFee Lake		661
Green Lake		509
Rheanne Lac		753
Battle Lake		754
Newton Lake		666
Kemall Lake		694
Maskinonge Lake		694
Kings Mountain, summit at cross, S. W. end of range		1,085
Kingsmere and Mench Lake road, summit		1,120
Kingsmere Lake		725
Mench Lake		580
Pontiac County		
Summit of portage between Keeppawa and Douglas lakes		957
Douglas Lake		852
Little Obashing Lake		852
Forrest Lake		862
Birch Lake		862
Devil Lake		834
Bastien Lake		877
Thompson or McConnell Lake		874
David Lake		869
Obashing Lake		822
Summit of road between Obashing Lake and Ottawa River		942
Small lake at head of Snake Creek on old winter road		847
Second lake on Snake Creek on old winter road		827
Long Lake, on White Creek		852
White Lake, at head of White Creek		872
White Beaver Lake (east of McMartin Point)		883
First lake on Indian portage-route to Keeppawa		883
Height-of-land, portage route, Lac des Quatre to Abitibi		920
" " " " " Grand Lake Victoria to Migiskum River		1,000
Quebec County		
Beaupre hills, west summit		1,950
" " " " " middle summit		1,895
" " " " " east summit		1,800
Quebec city and vicinity		
St. Columba church (Point Pizau)		144
Spencer Grange		223
Plains of Abraham		284
Mount Pleasant		273
Diamond Harbour martello tower		318
St. John's church (Quebec)		305
Levis Hills, east summit		368
Levis Hills, west summit		371
Lauzon Hill		218

QUEBEC—SUNDRY ALTITUDES		Elevation
Richmond County		
Stoke Mountains.....		1,600—1,800
Rimouski County		
Camille, Mount.....		2,036
Ste. Flavie, hill six miles S.E. of.....		1,500
Bic Highlands.....		1,236
Saguenay County		
Tadoussac, summit one mile W.N.W. of.....		1,080
" " two miles W.S.W. of.....		1,100
Seven Islands Bay, range to north, west peak.....		1,507
" " " east peak.....		1,700
St. John, Mount.....		1,416
Mingan Channel, summit seven miles N. of.....		1,000
Saddle Hill.....		374
Mecattina Highland.....		685
Bradore Hills.....		1,264
Height of land between Attinokak and Romaine rivers.....		1,750
" " between Romaine and St. John rivers.....		1,800
" " just west of Attikopi Lake.....		2,400
Divide between Attikopi and Itomani branches of Manikuanan River.....		1,980
Divide between Matonipi branch of Outarde River and branch of Manikuanan River.....		2,300
Matonipi Lake.....		1,640
Mouchalagan Lake.....		830
Ichmanikuagan Lake.....		685
Sherbrooke County		
Orford Mountain.....		2,860
Bare Mountain.....		1,520
Carbuncle Mountain.....		1,270
Brompton Lake.....		770
Temiscouata County		
Hare Island, summit.....		323
Wissick, Mount.....		1,033
Vaudreuil County		
Rigaud Mountain.....		850
Wolfe County		
Ham Mountain.....		1,900—2,000

RIVER ST. LAWRENCE

	Sq. miles	Sq. miles
Area between Galops rapids and Point de Monts (omitting Ottawa and Champlain basins):		5,385
Area of water surface:		
(Area, Lake St. Francis, 79 sq. miles; Lake St. Louis, 57 sq. miles.)		
Area of watershed—		
Quebec	124,345	
Ontario	620	
New York	3,865	
Vermont	615	
		129,385
Total area of basin, omitting Ottawa and Champlain basins		134,780
Total area of basin, including Ottawa and Champlain basins		199,610

NOTE.—In 1883-86 Mr. R. Steckel, of the Department of Public Works, ran lines of precise levels from the U. S. Coast and Geodetic Survey bench mark at Rouse Point, N. Y., to Sorel, from Sorel to Quebec and from Sorel to Lachine. By these levels the Rouse Point bench mark is 114.50 feet above Mr. Steckel's datum—assumed mean tide, Gulf of St. Lawrence, as established by him from tidal observations at Quebec—and by the Coast Survey levels it is (119.06—1.08) 108.98 feet, 5.52 feet lower. The altitudes, between Quebec and Lachine, in the following list, have been extracted from Mr. Steckel's reports and plans, and, for the sake of comparison, are given in two columns, one referred to mean tide at New York and the other to Mr. Steckel's datum.

Miles from Quebec		Above Mr. Steckel's datum	Above mean tide at New York
	Levis—		
	Coping of graving dock	23.84	18.32
	Zero of dock gauge	-8.62	-14.14
	Highest water observed during season of navigation (Nov. 3, 1884)	22.40	16.88
	Flood (Jan., 1838)	52.12	46.60
	Standard low water*	-1.67	-7.19
	Standard high water†	21.68	16.16
	Ordinary high water, high water season	14.97	8.55
	" " low water season	12.90	7.38
	Ordinary low water, high water season	3.63	-1.89
	" " low water season	1.15	-4.37
	Mean tide level, low water season	6.99	1.47
	Mean tide level, high water season	8.95	3.43
0.0	Quebec—		
	Zero of Harbour Commissioner's gauge, south side of Point a Carey wharf	-0.02	-5.54
	Coping of Louise embankment	24.02	18.50
6.5	Wharf at mouth of Chaudière River, floor level	16.6	11.1
11.7	St. Nicholas, Baker's wharf, floor level	19.6	14.1
15.8	St. Augustin, flood (1863)	26.21	20.69
21.8	Point aux Trembles—		
	Grenier's wharf	20.3	14.8
	Flood (1884)	26.46	20.94
35.5	Point Platon wharf, floor level	21.1	15.6
	Flood (1884)	26.27	20.72

* The plane of standard low water for the St. Lawrence between Quebec and Montreal corresponds to a stage of 16 feet above the lower nitre sill of old lock No. 1 of Lachine Canal and is 0.08 feet below the equivalent plane of standard low water deduced in a similar manner as the plane of standard low water for the Great Lakes. The equivalent plane would be the plane at or below which monthly mean water has stood not more than an aggregate of ten months during the season of navigation out of the aggregate of eighteen lowest monthly mean waters occurring during the period of thirty-six years—1850 to 1865.

† The plane of standard high water is the highest water possible during the season of navigation (at springs) with weather and atmospheric pressure in a normal condition.

Miles from Quebec	RIVER ST. LAWRENCE	Above Mr. Steeple's datum	Above mean tide at New York
39.7	Deschambault— Foot of Richelieu rapids, standard low water	1.98	-3.54
	Flood (1884)	28.34	22.82
	Floor level of wharf	29.4	14.9
42.0	Barre-Boulard— Head of Richelieu rapids, standard low water	5.40	-0.12
	Highest known flood	33.0	27.5
47.2	Groulmes— Standard low water	6.41	0.89
	Standard high water	26.65	21.13
	Highest known flood	33.3	27.8
	Floor level of wharf	29.5	15.0
	Top of stone step at north-west corner of R. C. Church	48.57	43.05
52.1	St. Jean des Chaillons— Standard low water	8.32	2.80
	Standard high water	27.69	22.17
	Highest known flood	33.5	28.0
	Floor level of Lavoiseur's wharf	22.0	16.5
55.0	Stc. Anne de la Perade, flood (1865)	33.51	27.96
59.4	Batisseau— Standard low water	12.51	6.99
	Standard high water	30.27	24.75
	Flood (1865)	34.73	29.21
	Flood (1885)	31.78	26.26
	Floor level of Brunelle's wharf	24.5	19.0
64.0	Road bridge over Champlain River, flood (1865)	34.76	29.22
66.7	Champlain— Standard low water	13.62	8.10
	Standard high water	30.96	25.44
	Highest known flood	34.80	29.28
	Floor level of Gagnon's wharf	25.2	19.7
73.3	Béancour, flood (1865)	35.71	30.19
78.7	Three Rivers— Standard low water	16.16	10.61
	Standard high water	32.05	26.53
	Highest known flood	36.3	30.8
	Zero of gauge (nearby)	16.0	10.5
	Doucet Landing, floor level of outside wharf	25.2	19.7
85.0	Nicolet— Standard low water	16.17	10.65
	Standard high water	33.22	27.70
	Highest known flood	38.1	32.6
	Floor level, Port St. Francis wharf	26.5	21.0
86.7	Lake St. Peter, at Pointe du Lac, flood (1865)	39.16	33.64
105.9	Lake St. Peter, at head. Standard low water	17.78	12.26
	Standard high water	36.70	31.18
108.2	Yanaska lock— Lower sill	13.78	8.26
	Upper sill	13.86	8.34
	Coping	26.74	21.22
	Flood (1887)	33.54	28.02
115.6	Sorel— Standard low water	18.85	13.33
	Standard high water	34.07	28.55
	Highest known flood	37.90	32.38
	Flood (1865)	36.59	32.07
	Floor level of R. and O. Co.'s wharf	33.5	28.0
	Zero of Montreal Harbour Commissioner's gauge	0.05	-4.47
127.5	St. Onrs lock— Lower sill	12.66	7.14
	Upper sill	17.44	11.92
	Coping	38.12	32.60
130.7	Contrecoeur— Standard low water	19.84	14.32
	Standard high water	35.17	29.65
	Highest known flood	42.69	37.08
	Floor level of R. and O. Co.'s wharf	33.2	27.7

Miles from Quebec	RIVER ST. LAWRENCE	Above Mr. Steckel's datum	Above mean tide at New York
138.3	Verchères— Standard low water.....	21.50	15.98
	Standard high water.....	36.32	30.80
	Highest known flood.....	42.80	37.28
	Floor level of R. and O. Co.'s wharf.....	33.6	28.1
146.8	Varenes— Standard low water.....	22.99	17.47
	Floor level of R. and O. Co.'s wharf.....	31.5	25.0
147.3	Half-mile above Varennes wharf— Highest known flood.....	44.90	39.38
151.2	Boucherville— Standard low water.....	24.05	18.53
	Highest known flood.....	44.9	39.4
	Floor level of R. and O. Co.'s wharf.....	35.5	30.0
157.2	Longueuil— Standard low water.....	25.18	19.66
	Standard high water.....	40.62	35.10
	Highest known flood.....	51.26	45.78
	Floor level of new Government wharf.....	34.9	29.4
159.3	St. Marys current— At foot, standard low water.....	25.86	20.34
	At head, standard low water.....	26.86	21.34
	Victoria bridge— Lowest known water during season of navigation.....	34.0	28.5
	Extreme high water.....	56.0	50.5
169.8	Lachine Canal— Old lock No. 1, west side of lower sill.....	11.54	6.02
	Old lock No. 1, coping of lower sill.....	42.89	37.37
	New lock No. 1, centre of lower sill.....	9.61	4.69
	New lock No. 1, coping.....	42.49	36.97
	Extreme low water Oct., 1895 (15-10 ft. on sill, new lock).....	24.71	19.19
	Flood (1886).....	55.79	50.27
168.2	New lock No. 5, sill.....	57.78	52.26
	" coping.....	89.36	74.84
	Old lock No. 5, sill.....	62.83	57.31
	" coping.....	89.37	74.85
	" standard high water (flood May, 1876).....	79.96	74.44
	" extreme low water, Nov. 9, 1895 (8.63 ft. on sill, old lock).....	70.86	65.34
165.6	Laprairie— Lowest known water during season of navigation.....	39.8	34.3
	Highest known water during season of navigation.....	44.5	39.0
	Floor level of R. and O. Co.'s wharf.....	43.4	37.9

NOTE—From Lake St. Louis to Kingston the levels of the Canadian Deep Waterways Commission have been adopted with a uniform deduction of 1.98 feet

169-184	Lake St. Louis— At Lachine, extreme high water.....	74.84	74.84
	At Lachine, extreme low water, Nov., 1895.....	65.79	65.79
	Beauharnois Canal— Lower lock at Melocheville, sill.....	59.75	76.42
	" " high water, May, 1876.....	67.57	76.42
	" " extreme low water, Nov. 5, 1895 (7.82 ft. on sill).....	141.44	141.44
	Upper lock at Valleyfield, sill.....	130.94	154.86
	" " extreme low water (Nov. 9, 1895).....	154.86	154.86
	" " standard high water.....	152.42	152.42
184.6	Soulanges Canal— Lock No. 1, lower sill 52.74; coping.....	94.24	94.24
	" extreme low water (Nov. 9, 1895).....	67.57	67.57
	" standard low water.....	68.92	68.92
	" water above lock.....	91.24	91.24
184.9	Lock No. 2, lower sill 76.24; coping.....	117.74	117.74
	" water above lock.....	114.74	114.74
185.1	Lock No. 3, lower sill 99.74; coping.....	141.24	141.24
	" water above lock.....	138.24	138.24
187.8	Lock No. 4, lower sill 123.24; upper sill 135.24; coping.....	159.24	159.24
	Guard lock, sill 136.24; coping.....	159.24	159.24
	" extreme low water (Nov. 9, 1895).....	150.80	150.80
	" standard low water.....	152.42	152.42

Miles from Quebec	RIVER ST. LAWRENCE	Elevation
198.3-229.3	Lake St. Francis— At Valleyfield, high water, May (1870)	154.86
	At Valleyfield, low water, (1895)	150.94
229.7	Cornwall Canal— New lower entrance lock, lower sill 138.20; coping	167.60
	" " " standard high water (1870)	156.20
	" " " extreme low water (Nov. 21, 1895)	151.70
	Old lower entrance lock, lower sill	143.78
240.2	New upper entrance lock, lower sill 185.03; coping	205.43
	Old upper entrance lock, lower sill	191.45
	" " " extreme low water (Nov. 9, 1895)	198.45
	" " " standard low water	201.13
245.8	Farrans Point Canal— New lock, lower sill	182.23
	Old lock, lower sill, 192.69; coping	210.43
	" " standard high water (1870)	203.52
	" " extreme low water (Nov. 9, 1895)	198.52
256.8	Morrisburg Canal— New lower entrance lock, lower sill 195.80; coping	227.26
	Old lower entrance lock, lower sill	204.74
	" " " extreme low water (Nov. 23, 1895)	208.22
260.3	New upper entrance lock, lower sill 208.25; coping	230.25
	Old upper entrance lock, lower sill	216.25
	" " " extreme low water (Nov. 9, 1895)	220.75
	" " " standard low water	223.43
264.6	Galops Canal— New lower entrance lock, lower sill	258.50
	Old lower entrance lock, lower sill, 217.44; coping	229.10
	" " standard high water (1870)	233.11
	" " extreme low water (Nov. 9, 1895)	224.11
269.9	Lift lock at Cardinal, lower sill 221.40; coping	244.96
271.3	New upper entrance lock, lower sill 227.63; coping	249.25
	Old upper entrance lock, lower sill	234.07
	" " " standard high water (1870)	246.74
	" " " extreme low water (Nov. 9, 1895)	240.81
	" " " standard low water	242.38
280.0	Prescott, low water (November, 1895)	241.92
341.7	Kingston— Zero of graving dock gauge	243.73
	Zero mark on martello tower	243.73
	Mitre sill of graving dock	228.23
	Kingston Mills, lower mitre sill of entrance lock	236.73

LAKE ONTARIO*

Latitude 43½° N. to 44½° N.; longitude 76° W. to 80° W. Length, 193 miles on right line (Burlington Bay to Sacketts Harbour); breadth, 53 miles on right line (about meridian 77° 35' W).

Area of water surface—	Sq. miles	Sq. miles
Niagara River	5	
St. Lawrence River to Galops rapids	185	
Lake Ontario	7,200	
		7,450
Area of watershed—		
Ontario	11,255	
New York	14,275	
		25,530
Total area of basin		32,980

*The data relating to the Great Lakes have been extracted from the Report of the U. S. Deep Waterways Commission, a uniform deduction of 1.08 feet being made from all elevations referred to mean tide

LAKE ONTARIO		Elevation
High water, July, 1815	.....	246 02
" July, 1838	.....	247 88
" June, 1853	.....	247 38
" June, 1858	.....	247 88
" July, 1859	.....	247 91
" May, 1862	.....	247 89
Extreme high water, May, 1870, highest on record	.....	247 96
High water, July, 1870	.....	247 38
" May, 1886	.....	247 65
Standard high water	.....	247 96*
Low water, Mar. 1816	.....	243 19
" Mar. 1819	.....	242 44
" Mar. 1829	.....	241 94
Extreme low water, Mar. 1825, lowest on record	.....	241 36
Low water, Mar., 1846	.....	243 13
" Jan., 1857	.....	243 37
" Jan., 1868	.....	243 52
" Jan., 1873	.....	243 32
" Feb., 1881	.....	243 74
" Dec., 1891	.....	243 42
" Feb., 1892	.....	243 49
" Nov., 1895	.....	242 42
Standard low water	.....	243 45†
Mean water, 1860 to 1899	.....	245 23
" 1860 to 1895	.....	245 49
" 1860 to 1875	.....	245 53
" 1871 to 1895	.....	245 18
" 1871 to 1900	.....	244 99

*Standard high water for Lake Ontario has been taken as the monthly mean water of May, 1870, at Oswego, which is the highest monthly mean water level during the period of forty-one years, 1860 to 1900.

†The plane of standard low water, adopted by the United States Deep Waterway Commission is 'the plane at or below which monthly mean water has stood not more than an aggregate of ten months during the season of navigation (which excludes the months of January, February and March) out of the aggregate of eighteen lowest monthly mean waters occurring during the period of thirty-six years, 1860 to 1895.' The following is the record:—

Nineteen lowest monthly mean water levels above the zero of the Oswego gauge (elevation, 243.13 feet above mean tide) during the period 1860 to 1895.

Year	Month	Reading	Year	Month	Reading
		Feet			Feet
1872	February	0 30	1892	February	0 36
	March	0 23	1895	January	0 57
	December	0 23		February	0 31
1873	January	0 19		March	0 21
	February	0 26		August	+0 22
	March	0 38		September	-0 12
1875	February	0 26		October	-0 46
1891	November	0 32		November	-0 71
	December	0 29		December	-0 68
1892	January	0 30			

The reading +0 32 of November, 1891, determines the plane of standard low water and its elevation is 243 13+0 32 or 243 45 feet above mean tide at New York

LAKE ONTARIO		Elevation
The record for the period of forty-one years, from 1860 to 1900, shows the following:—		
	Feet	
Range in mean annual variation	1.43	
Mean annual range	1.97	
Greatest annual range (1867)	3.65	
Least annual range (1872)	1.00	
Highest monthly mean water May 1870, (above zero of Oswego gauge),	4.83	
Lowest monthly mean water Nov. 1895, (below zero of Oswego gauge),	0.71	
Greatest range in monthly mean waters, Oswego	5.54	
Highest annual mean water (1862)	3.51	
Lowest annual mean water (1895)	0.17	
Greatest range in annual mean waters	3.34	
* As regards annual variation the lake is generally highest in the month of June and lowest in the month of December.		
Port Dalhousie, zero of gauge		256.97
lower nitre-still		229.12
Toronto, zero of Harbour Commissioner's gauge,		244.04
Oswego, N. Y., zero of U. S. Engineer water gauge		243.13
Charlotte, N. Y., zero of water gauge,		247.92
NIAGARA RIVER ¹		
Queenstown, Ont., standard low water		245.45
" standard high water		249.96
" mean water (1871-1895)		247.18
Schlosser, N. Y., standard low water		260.28
" standard high water		262.53
" mean water (1871-1895)		261.25
Tonawanda, N. Y., standard low water		263.04
" standard high water		265.29
" mean water (1871-1895)		264.01
Bridgeway, Ont., standard low water		265.74
" standard high water		267.99
" mean water (1871-1895)		266.71
LAKE ERIE		
¹ Latitude 41½° N. to 43° N., longitude 78½° W. to 83½° W. Length 239 miles on right line, (Buffalo via Point Pelee to west end); breadth 59 miles on right line, (Ashtabula to Fort Talbot)		
	Sq. miles	Sq. miles
Area of water surface		10,000
Area of watershed—		
Ontario	5,480	
Ohio	11,950	
Michigan	2,990	
New York	2,210	
Indiana	1,270	
Pennsylvania	580	
		24,480
Total area of basin		34,480
Area of islands in Lake Erie		55
" Niagara River		29
Extreme high water, highest on record, (June 1838)		574.12
High water June 1838		573.87
" April 1850		573.85
" June 1862		573.43
" July 1870		572.77
" June 1876		573.53
" June 1886		572.92
Standard high water		574.12
Extreme low water, lowest on record (1810 and 1811)		568.12

LAKE ERIE	Elevation
Low water, August, 1819	568 37
" August, 1820	569 08
" October, 1841, and March, 1846	569 65
" January, 1857	570 75
" February, 1868	570 65
" January, 1873	570 17
" January, 1881	570 62
" November, 1885	569 71
Standard low water	570 27

*The plane of standard low water is 13.72 feet above the upper mitre sill of entrance lock of Welland Canal at Port Colborne, and 10.39 feet above the upper mitre sill of the guard lock of Erie Canal at Black Rock.

Mean water, 1869 to 1900	571 69
" 1869 to 1895	571 80
" 1869 to 1875	571 78
" 1871 to 1895	571 71
" 1871 to 1866	571 53

The record for forty-one years, from 1869 to 1900, shows the following:—

	Feet
Range in mean annual variation	1 29
Mean annual range	1 56
Greatest annual range (1892)	2 28
Least annual range (1895)	87
Highest monthly mean water, June, 1876 (below plane of reference)	59
Lowest monthly mean water, November, 1895 (below plane of reference)	4 41

Greatest range in monthly mean waters	3 82
Highest annual mean water, 1876 (below plane of reference)	1 41
Lowest annual mean water, 1895 (below plane of reference)	3 94
Greatest range in annual mean waters	2 53

* As regards annual variation the lake is generally highest in the month of June and lowest in the month of February.

Port Colborne, zero of gauge	579 69
" " upper mitre sill	566 55
" " bench mark on custom house	568 56

DETROIT RIVER

Detroit, foot of Mt. Elliott Ave., standard low water	572 76
" " standard high water	576 54
" " mean water (1869-1895)	574 34
" " mean water (1871-1895)	574 25

LAKE ST. CLAIR

* Latitude 42° N. to 42½° N.; longitude 82½° W. to 83° W. Length 26 miles (on right line about 82° 45' W.); breadth 24 miles (on right line about parallel 42° 25').

	Sq. miles
Area of water surface	445
Area of watershed, River and Lake St. Clair and Detroit River—	
Ontario	4,169
Michigan	2,160
Total area of watershed	6,329
Area of islands	80
Standard low water	573 18*
Standard high water	576 96
Mean water, 1871-1895	574 67

* Standard low water for Lake St. Clair has been determined by adding to the standard low water for the Detroit River at foot of Mount Elliott avenue, the mean slope in the Detroit River between Mount Elliott avenue and Lake St. Clair during the months of June and July, 1865.

ST. CLAIR RIVER		Elevation
At Sarnia, standard low water		577.19
" standard high water		581.93
" mean water, 1871-1900		578.33
LAKE HURON		
* Latitude 43° N. to 46½° N.; longitude 79° W. to 84½° W. Length 207 miles on right line (Port Harris to Drummond Island); breadth 161 miles, on right line (about 44 35' N.)		
Area of water surface	Sq. miles	Sq. miles
Area of watershed		23,200
Ontario	35,400	
Michigan	16,700	
	52,100	
Total area of basin		75,300
Area of detached bays, etc.		
Georgian Bay		5,600
North Channel		1,600
St. Mary River		150
Saginaw Bay		1,050
	8,400	
Total area		8,400
Area of islands		1,700
<p>Lakes Huron and Michigan were assumed by the engineers of the United States Lake Survey to have the same mean level for the following reasons: "The slope of the St. Clair River, which carries off the surplus waters not only of Lake Huron, but also of Lakes Superior and Michigan, is, at St. Clair, about 0.34 inches per mile, the cross section of the river there being 68,130 square feet. Now at Mackinac the smallest water cross-section is about 1,538, 800 or 22.87 times that of the St. Clair River at St. Clair, and this greater cross section has to deliver the surplus water of but one of the three great lakes drained by the St. Clair River. If we suppose Lake Michigan has an outflow equal to one-third the discharge of the St. Clair River then . . . the water slope at Mackinac would be about 1/33 that at St. Clair or .0005 inch per mile . . . As the narrow portion of the Strait of Mackinac is only 10 miles long this slope gives an insignificant fall. This result is of course a very rough approximation, as there are no experimental data for the flow of water under such gentle slopes, but it shows that the permanent difference of level between Lakes Huron and Michigan is insignificant in comparison with the differences produced by winds or by different atmospheric pressures, and that its average value is probably less than 0.1 foot."</p> <p>"In regard to this assumption it should be noted that, taking the twenty-five years—1871 to 1895—the average of the monthly mean for the two lakes shows Lake Michigan to be from 0.04 to 0.11 foot above Lake Huron for the months September to January, inclusive; at about the same level for February; from 0.05 to 0.12 foot below from March to June inclusive, and at about the same level during July and August.†</p>		
Extreme high water, highest on record (July, 1838)		583.26
High water, Nov., 1858		582.57
" July, 1859		582.61
" June, 1862		581.59
" Sept., 1870		581.14
" July, 1876		582.06
" June, 1886		582.10
Extreme low water, lowest on record (Feb., 1819)		576.59
Low water, Dec., 1841		578.83
" Feb., 1847		577.76
" Jan., 1857		579.71
" Feb., 1866		578.80
" Jan., 1873		578.44
" Jan., 1881		579.50
Low water, Dec., 1891		578.27
" Jan., 1892		578.39
" Dec., 1895		577.51

* Report United States Lake Survey, Professional Papers, Corps of Engineers, U.S.A., No. 24, pp. 607 and 608.

† Report of U. S. Deep Waterways Commission, pp. 77 and 78.

LAKE HURON	Elevation
Standard high water, highest on record (July, 1838).....	583.26
Standard low water.....	578.52
Mean water, 1860 to 1900.....	579.99
" 1860 to 1895.....	580.18
" 1860 to 1875.....	580.20
" 1871 to 1895.....	580.12
" 1871 to 1900.....	579.86

The record for the period of forty-one years, from 1869 to 1900, shows the following:—

Range in mean annual variation.....	Feet 0.95
Mean annual range.....	1.30
Greatest annual range (in 1871).....	2.23
Least annual range (in 1877).....	0.57
Highest monthly mean water, July, 1876 (below plane of reference).....	1.19
Lowest monthly mean water, December, 1895 (below plane of reference).....	5.76
Greatest range in monthly mean waters.....	4.57
Highest annual mean water, 1886 (below plane of reference).....	1.77
Lowest annual mean water, 1896 (below plane of reference).....	5.25
Greatest range in annual mean waters.....	3.48

* As regards annual variation the lake is generally highest in the month of July and lowest in the month of December.

ST. MARY RIVER

Little Mud Lake—	
Standard low water.....	579.12
Standard high water.....	583.92
Mean water (1871 to 1900).....	580.46
Hay Lake—	
Standard low water.....	579.82
Standard high water.....	584.62
Mean water (1871 to 1900).....	581.16
St. Mary River—	
Lower entrance, Sault Canal, standard low water.....	580.60
" " " standard high water.....	585.63
" " " mean water (1871 to 1895).....	582.19
Upper entrance, Sault Canal, standard low water.....	598.97
" " " standard high water.....	603.10
" " " mean water (1871 to 1895).....	599.87
Canadian lock, 900 ft. long and 60 ft. wide; available depth at mean water 21.73 ft., at low water 20.14 ft.—	
Lower sill.....	560.29
Upper sill.....	575.46
Coping.....	604.21
United States new lock, 800 ft. long and 100 ft. wide; available depth at mean water 21.48 ft., at low water 19.89 ft.—	
Lower sill.....	560.34
Upper sill.....	576.71
Coping.....	604.21
United States old lock, 515 ft. long and 80 ft. wide (gate opening 60 ft.); available depth at mean water 15.84 ft., at low water 14.22 ft.—	
Lower sill.....	565.88
Upper sill.....	582.88
Coping.....	604.21

LAKE SUPERIOR			Elevation
Latitude, 46½° N. to 49° N.; longitude, 84½° W. to 92½° W. Length, 354 miles on right line (St. Louis Bay to Michipicoten Bay); breadth, 162 miles on right line (about on meridian 86° 40' W.).			
Area of water surface.....	Sq. miles	Sq. miles	
Area of watershed—		31,800	
Ontario.....	30,780		
Minnesota.....	6,800		
Wisconsin.....	3,160		
Michigan.....	7,860		
		48,600	
Total area of basin.....		80,400	
Area of islands.....		620	
Area of detached bays.....		1,410	
High water, July, 1861.....			601' 83
" Sept., 1869.....			602' 55
" Aug., 1876.....			602' 29
" Aug., 1885.....			601' 00
Low water, March, 1847.....			597' 22
" May, 1833.....			597' 14
" March, 1854.....			596' 97
" March, 1865.....			599' 80
" Feb., 1871.....			599' 23
" March, 1880.....			599' 11
" March, 1892.....			599' 37
" Feb., 1893.....			599' 37
Standard high water (assumed high water of 1838).....			603' 68
Standard low water.....			599' 60
Mean water, 1860 to 1900.....			600' 45
" 1860 to 1895.....			600' 61
" 1860 to 1875.....			600' 70
" 1871 to 1895.....			600' 49
" 1871 to 1900.....			600' 56
The record for the forty-one years, from 1860 to 1900, shows the following:—			
Range in mean annual variation.....		Feet	
Mean annual range.....		1' 20	
Greatest annual range (in 1869).....		2' 47	
Least annual range (in 1891).....		0' 53	
Highest monthly mean water, September, 1869 (below plane of reference).....		1' 13	
Lowest monthly mean water, March, 1880 (below plane of reference).....		4' 57	
Greatest range in monthly mean waters.....		3' 44	
Highest annual mean water, 1876 (below plane of reference).....		2' 26	
Lowest annual mean water, 1879 (below plane of reference).....		3' 89	
Greatest range in annual mean waters.....		1' 63	
* As regards annual variation the lake is generally highest in the month of September and lowest in the month of March.			

Miles from Sorel	RICHELIEU RIVER	Above Mc. Stockel's datum	Above mean tide at New York
0 0	At confluence with River St. Lawrence—		
	Lowest normal level	18 85	13 33
	Standard high water	34 07	28 55
	Extreme high water (1865)	37 80	31 28
14 0	St. Ours lock—		
	Lower sill	12 66	7 14
	Upper sill	17 44	11 92
	Coping of lock	38 12	32 60
	Coping of dam	25 04	19 52
	Lowest normal level, below lock	19 16	13 64
	Lowest normal level, above lock	24 40	18 88
	Extreme high water, above lock (1865)	38 60	33 08
45 2	Chambly Basin—		
	Lowest normal level	25 59	20 07
	Extreme low water	24 97	19 45
	Extreme high water (1869)	41 67	36 15
	Lower sill of lock No. 9	18 62	12 50
47 0	Chambly, lock No. 2, upper sill	32 08	26 56
56 5	St. Johns—		
	Lower sill, guard-lock (No. 1)	91 82	86 30
	Upper sill	91 85	86 33
	Standard low water	99 09	93 57
	Lowest normal water	98 69	93 17
	Extreme low water	97 13	91 61
	Mean water (1871 to 1895)	101 17	95 65
	One-half mile above guard-lock, extreme high water (April, 1869)	165 72	160 20
80 0	Rouse Point, N.Y.—		
	Zero of U.S. Engineer gauge at Fort Montgomery	98 97	93 45
	U. S. Coast and Geodetic Survey B. M. on Chapman block	114 50	108 98

LAKE CHAMPLAIN

'Length, 125 miles from Whitehall to St. John; breadth, 13 miles.'

Area of water surface	Sq. miles	Sq. miles 100
Area of watershed—		
Quebec	740	
Vermont	4,270	
New York	2,650	
	7,660	
Total area of basin		8,360

Standard high water (May 4, 1869) highest on record	102 20
Standard low water	93 95
Extreme low water, (Oct. 12, 1880)	93 31
Mean water, (1871 to 1895)	96 12
(1871 to 1882)	95 60

The record for the twenty-five years from 1871 to 1895 shows the following:—

	Feet
Range in mean annual variation	3 59
Mean annual range	4 22
Greatest annual range (in 1876)	6 13
Least annual range (in 1872)	2 36
Highest monthly mean water (May, 1876)	6 61
Lowest monthly mean water (October, 1880)	9 15
Greatest range in monthly mean waters	6 46
Highest annual mean water (1890)	3 65
Lowest annual mean water (1883)	1 90
Greatest range in annual mean waters	1 85

'As regards annual variation the lake is generally highest in the month of May and lowest in the month of October.'

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum	Above mean tide at N. Y.
<p>NOTE.—These bench marks were established in 1883-86, under the direction of Mr. R. Steckel of the Department of Public Works, in connection with the lines of precise levels between Quebec and Lachine, and between Sorel and Rouse Point.</p> <p>Where not otherwise stated these benches are copper plugs driven into the rock or masonry.</p>			
Quebec—			
G	In facade of Notre Dame de la Garde church, third course of stone above floor.....	24 32	18 80
J	In east corner of east tower of gaol wall.....	295 57	290 05
	Ordnance bench mark, broad arrow on east side of martello tower, close to St. Louis St.....	344 14	338 62
	Ordnance bench mark, broad arrow on north side of portico of Quebec Bank (16 11 feet above ordnance datum).....	23 87	18 35
	Zero of barometer at Observatory.....	298 77	293 25
H	In quoin at north-east angle, front of Queen's store, Champlain St., about 3½ feet above street.....	39 83	25 31
I	In second course, stone plinth, under fifth window, east facade of examining warehouses.....	23 29	17 77
St. Nicholas—			
LXV	In rock, 49 paces south-east of roadway, Basile Hill.....	22 98	17 46
Sillery—			
A	In foot of cliff, 800 feet below Beverin Point.....	22 54	17 02
B	In rock, north side of road at upper end of Victoria Cove.....	26 74	21 22
C	In rock north side of road at base of cliff, 100 feet below lower wharf, Victoria Cove.....	24 95	19 43
D	In rock, north side of rocky point, 75 feet west of Falardeau's wharf.....	26 18	20 66
E	In north side of rocky point about 700 feet below Point à Pizau.....	28 90	23 38
F	In rock, north side of road, lower end of Spencer Cove.....	28 51	22 99
Lévis—			
LXX	In rock, north end of J. C. Hamel's yard, east side of road.....	22 89	17 37
LXXI	In foot of retaining wall of Davidson Hill, Gesa, Couture's yard, about 3½ feet above street.....	29 03	23 51
LXXII	In rock on beach, east side of I. C. Ry. and about opposite Foisy's house.....	26 09	20 57
St. Joseph de Lévis—			
LXXIII	In north face of east abutment, I. C. Ry. crossing, opposite graving dock.....	63 82	58 30
LXXIV	In second altar step, south-west end of graving dock.....	21 62	16 10
St. David—			
LXIX	In sandstone knoll, west side of road, behind G. T. Ry. round-house.....	43 58	38 06
LXVIII	In spur of sandstone cliff, east side of Etchemin road, few hundred feet below G. T. Ry. crossing.....	28 30	22 78
St. Ronald—			
LXVII	In sandstone, east side of road, opposite Benson's saw-mill.....	35 56	30 04
LXVI	In sandstone cliff, near last abutment of new Chaudière bridge, and in rear of ferryman's house.....	29 35	24 03
St. Nicholas—			
LXV	In rock, on beach, 49 paces south-east of Basile's road from post road to river.....	22 98	17 45
LXIV	In rock on beach, foot of cliff, opposite lot 26.....	13 03	7 51
LXIII	In rock on beach, few hundred feet west of Demers' wharf.....	17 18	11 66
LXII	In rock on beach, about opposite lot 88.....	18 23	12 71
LXI	In rock on beach, about 200 feet west of Baker's wharf.....	22 23	16 71
LX	In rock, foot of hill on road from beach to Laguenex's hotel.....	27 12	21 60
LIX	In rock in first point above Ross' wharves, about opposite lot 21.....	21 62	16 10
LVIII	In rock on beach, foot of cliff, about opposite lot 228.....	16 82	11 30
LVII	In rock on beach, foot of cliff, opposite lot 246.....	29 88	15 36
LVI	In rock on beach, foot of cliff, opposite lot 259.....	18 56	13 04
St. Antoine de Tilly—			
LV	In rock on beach, few hundred feet west of Pointe Aubin wharf and opposite lot 4.....	19 66	14 14
LIV	In shale on beach, foot of cliff, about opposite lot 48.....	29 52	15 00

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum.	Above mean tide at N.Y.
	St. Antoine de Tilly—		
LIII	In shale, foot of cliff, opposite lot 92.....	20 26	14 74
LII	In soft shale, foot of cliff, opposite lot 170.....	19 08	13 56
	Ste. Croix—		
LXXV	In shale on beach, foot of cliff, about opposite lot 19.....	22 30	16 78
LXXVI	In rock on beach, foot of cliff, about opposite lot 33, 200 or 300 feet east of wharf.....	23 25	17 73
LXXXIA	In face of stone, planted in ground, 260 feet east of Ste. Croix wharf.....	25 15	19 63
LXXXVIIA	In stone monument, opposite Hon. H. G. Joly's farm-house, west side of road to Point Platon wharf.....	35 87	30 35
	St. Louis de Lotbinière—		
LXXVII	In shale on beach, foot of cliff, quarter-mile west of Platon wharf.....	16 82	11 30
LXXVIII	In rock on beach, foot of cliff, one mile above Platon wharf.....	18 26	12 74
LXXX	In rock on beach, foot of cliff, opposite Poudrier Point.....	11 16	5 64
LXXX	In rock, few hundred feet east of Hon. H. G. Joly's farm wharf.....	20 35	14 83
LXXXI	In fourth quoin, south-west angle of Hon. H. G. Joly's great mill.....	47 54	42 02
LXXXII	In rock on beach, foot of cliff, opposite Richelieu Rapids Island.....	19 31	13 79
LXXXIII	In large flat boulder, 15 feet north of lighthouse on Richelieu Rapids Island.....	21 02	15 50
LXXXIV	In south-west corner of foundation of R. C. church, Lotbinière.....	95 63	90 11
LXXXV	In shaly rock near brook, foot of cliff, about quarter-mile west of parish church.....	21 34	15 82
LXXXVI	In shaly rock about 25 feet north-east of stream from Laliberte's saw-mill.....	20 77	15 25
	Ste. Emélie—		
LXXXVII	In foundation, east side of Danase Beaudet's house, Leclercville.....	38 58	33 36
LXXXVIII	In east side, foundation of tower of R. C. church, Ste. Emélie.....	98 79	93 27
LXXXIX	In foundation, west side of Louis Lafond's house at mouth of Little River du Chêne.....	26 44	20 92
	St. Jean des Chailions—		
CXVI	In stone, north-west corner of St. Jean des Chailions church, 4 feet above ground.....	160 03	154 51
CXV	In large boulder on beach, foot of cliff, opposite lot 125; elevation in fall, 1888.....	23 53	18 01
CXIV	In large flat stone on beach, foot of cliff, opposite lot 9.....	25 43	19 91
	St. Pierre les Bequets—		
CXIII	In fourth quoin above ground, north-west corner of front of R. C. church, St. Pierre les Bequets.....	169 68	164 16
CXII	In foundation, north side of Wm. Massicot's carding mill.....	33 01	27 49
	St. Eloiard de Gentilly—		
CXI	In large flat stone embedded in south bank of Moulin River, near mouth.....	21 54	16 02
CX	In second lowest quoin, south-east corner of Gentilly church.....	62 98	64 46
CIX	In south-east corner of foundation of J. L. Beudel's house.....	37 80	32 37
CVIII	In foundation of Ludger Genest's house.....	44 69	38 57
CVII	In foundation of P. Reault's house.....	31 98	26 46
	Nativity de Béauceour—		
XC	In foundation of L. Provencher's house, near Gentilly and Béauceour parish line.....	33 47	27 95
XCI	In north-east foundation wall of Moise Genest's house.....	36 88	31 26
XCH	In south foundation wall of Ferdinand Leblanc's house.....	42 61	37 09
XCH	In north foundation wall of Louis Masse's house.....	39 26	33 84
XCIX	In top course of foundation wall of R. C. church, Béauceour.....	44 99	38 57
	Ste. Angèle de Laval—		
XCIV	In wall under first window-sill, east side of front door in Clovis Tourigny's house, lot 6.....	33 10	28 08
XCV	In foundation of Honoré Lenneville's house, lot 32.....	35 44	29 92
XCVI	In front, north side of main entrance of R.C. church.....	40 93	35 41
	St. Gervaise—		
190	Top of stone planted by D. C. Morency, D.L.S., on west side of road, lot 36.....	39 41	33 89
14	In north-east wall of Najolson Poirier's house, lot 59.....	35 77	30 25
90	In south wall of Basile Plourde's house, lot 76.....	37 19	31 67

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Stockel's datum	Above mean tide at N. Y.
	St. Jean Baptiste de Nicolet—		
C	In north-east gable of Antoine Brassard's house.....	49 14	31 62
CI	In south wall of Antoine Beaubien's house, opposite lower crossing of Nicolet River.....	48 56	43 04
CH	In north-west corner of R. C. cathedral, Nicolet.....	74 97	69 45
CHH	In north-east corner of Eusebe Brassard's house at junction of main and lower ferry roads.....	48 51	42 99
CIV	In foundation, under front gallery of Jean Rousseau's house La Baie du Febvre.....	46 57	41 05
CV	In front, foundation wall of William Houle's house.....	38 18	32 66
CVI	In foundation of Auselme Lafond's house.....	37 97	32 45
CVH	In foundation of Edward Lemiere's house, lot 457.....	44 11	38 59
LI	In east foundation wall of Nestor Duguay's store.....	48 47	42 35
L	In rear corner, western tower of R. C. church.....	83 69	78 17
XLIX	In east gable of Isaac Couillard's house.....	49 49	43 67
	St. Thomas de Pierreville—		
XLVIII	In western gable of Wm. Allard's house, 5 75 feet from north-west corner.....	41 51	35 99
XLVII	In north gable of Pierre Lord's house, north bank of Chenal Tardit.....	37 73	32 21
XLVI	In head of stone monument on north-east bank of St. Francis River at its confluence with the St. Lawrence.....	21 82	19 50
XLV	In south gable of Joseph Larame's house.....	49 63	35 11
	St. Francois du Lac—		
XLIV	In rear wall, 2½ feet from north-west corner of Dominique Conclouche's house.....	55 24	49 72
XLIII	About 7 feet from north-west corner of Theophile Joyal's house.....	54 32	48 80
	St. Michel de Yamaska—		
XLII	In second course below coping, west side, upper end of Yamaska lock.....	24 76	19 24
XLI	In south gable of Daniel Cardin's house.....	59 33	44 81
XL	In first quin above plinth course, south-east corner, front of R. C. church, Yamaska.....	64 25	58 73
XXXIX	In stone monument, at junction of roads, near temperance cross.....	49 25	43 73
	Sorel—		
XXXVIII	In north-west gable of Benjamin Laroche's house, at junction of post and St. Victoire roads.....	63 00	57 48
78	Top of boundary stone on South-eastern Railway property, west side of King street, between Jacques Cartier and Victoria streets.....	53 18	47 66
XXVI	In foundation wall of Sorel market, 21 feet E. of S. E. corner, 3½ feet above ground.....	46 35	49 83
	St. Joseph de Sorel—		
CXXIV	In wall, about 3 feet above ground, at north-west corner of Messrs. McCarthy's house.....	39 58	34 06
G	Top of cap of bench well, N. E. corner of road to St. Ours.....	37 33	31 81
CXXV	In north gable, about 2 feet above ground, Michel Peloquin's house.....	43 04	37 52
CXXVI	In north-east gable of Louis Cartier's house.....	45 89	40 37
	La Sainte Trinite de Contrecoeur—		
25	Small cavity in top of boundary stone, on west side of post road, in St. Joseph and Ste. Trinite parish line.....	60 77	55 25
CXXVII	In north-west gable of Pierre Vandal's house.....	53 20	47 78
CXXVIII	In foundation, south-west corner of Jos. Dione's house.....	49 37	43 85
CXXIX	In lower course, north corner, 13 inches above steps, front of R. C. church, Contrecoeur.....	50 18	44 66
CXXX	In front of Jos. Damerceau's house, 8 9 feet from south-west corner and 3 feet above ground.....	43 44	37 92
	St. Francois Xavier de Vercheres—		
CXXXI	In wall, south side of front door of Pierre Chicoine's house.....	47 07	41 55
CXXXII	In base of pillar, north-west side of main entrance door to R. C. church, Vercheres.....	79 12	64 60
CXXXIII	In stone plinth, south east side of priest's house, 7 feet from south-east corner.....	79 28	64 76
	Ste. Anne de Varanues—		
CXXXIV	In north-east gable of Urgèle Cadieux's house.....	74 01	68 49
CXLV	In second course of stone plinth, under west end of first window from front, south side of new R. C. church, Varanues.....	59 98	54 46

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum	Above mean tide at N. Y.
	<i>St. Famille de Boucherville</i> —		
CXLIV	In foundation under window-sill, near south-east corner of François Birtz's house	48 30	42 78
CXLIII	In second quin above steps at south-west corner of R. C. church, Boucherville	55 14	49 62
CXLII	In third row of brick work, 4 feet from north-west corner of Antoine Vinet's house	46 30	40 78
	<i>St. Lambert</i> —		
CXLI	In third course, west side of G. T. Ry. bridge over river road, St. Antoine-de-Longueuil	55 54	50 02
CXXXIII	In third course, north-east side, near side entrance, R. C. church, Longueuil	56 82	51 30
CXL	In third course of foundation, 3 2 feet from north-west corner of X. Perreault's house	62 46	56 94
CXXXII	In north-east gable-end of Pierre Benoit's house, south-east end of lot 123	100 99	95 47
CXXI	In east gable-end of Hilare Lamarre's house, lot 116	107 97	102 45
	<i>La Nativité de Laprairie</i> —		
CXXXIX	In plinth 1 35 feet above entrance step, at north-west corner of R. C. church, Laprairie	62 69	57 68
CXXXVIII	In quin, north-east corner of S. Pagnon's house	61 12	55 60
CXXXVII	In north gable of Moise Bivault's house, at junction of St. Pierre and Caughnawaga roads	65 91	60 30
CXXXVI	In sixth course of brick, north-east gable of J. E. Cherrier's house	76 77	71 25
	<i>Sault St. Louis</i> —		
CXXXV	In third course from ground, south-west face of Caughnawaga abutment of C. P. Ry. bridge	79 48	73 96
	Chisel mark on coping, about 4 inches below top near inner corner, south-east angle, Caughnawaga abutment, C. P. Ry. bridge	136 21	130 69
	<i>Montreal</i> —		
K	In rock, lower end and south side of St. Helen Island, west side of road round island	83 97	78 45
M	In third course, east face of southern abutment of C. P. Ry. bridge over Brook St.	47 42	41 90
L	In stone, east corner of southern abutment of C. P. Ry. bridge over Forsyth St.	43 86	38 34
N	In southern wall of custom house, near corner of Commissioner and Port streets	55 16	49 64
O	In first quin above front plinth course, near south-east angle of examining warehouse on Commissioner St., few feet north of McGill St.	55 19	49 58
Q	In stone course under basement window-sill, front of pump-house, St. Henri	54 84	49 32
	<i>Lachine</i> —		
R	In fifth course above springing of arch, north face of west pier of bridge over old water-works canal	78 81	73 29
	In second course, south-west face of abutment of C. P. Ry. bridge, south side of lower Lachine road	100 11	94 59
	In third course, front of buttress, south-east corner of R. C. church, Lachine	88 58	83 46
	<i>St. Hubert</i> —		
CXX	In foundation of Antoine Rochelandt's house, lot 38	88 37	82 85
CXIX	In west foundation wall of J. B. E. Charrois's house, lot 116	83 35	77 83
CXVIII	In south-east gable-end of Wilfred Daigault's house, lot 84	86 48	80 96
	<i>Richelieu River—Sorel to Rouze Point</i>		
	<i>St. Victoire</i> —		
XXVII	In north gable of P. Ethier's house	76 90	71 47
	<i>St. Ours</i> —		
XXVIII	In north gable of J. Dufault's house	49 79	44 27
XXIX	In north gable of L. Morin's house	56 65	51 13
XXX	In cap of plinth, south side of R. C. church, St. Ours	59 17	53 65
XXXI	In coping, east side and upper end of St. Ours lock	38 12	32 60
F	Top of cap of bench wall, planted in cut of St. Ours Island	34 95	29 43
XXXII	In coping, abutment of dam, west side of St. Ours Island	38 77	33 25
XXXIII	In the north-east gable of E. Plante's house	54 10	48 58

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum.	Above mean tide at N. Y.
<i>Richelieu River—Sard to Rouse Point</i>			
	St. Denis—		
XXXV	In north-west corner of R. C. church, St. Denis	60 04	54 52
XXXIV	In north-west corner of convent wall, St. Denis	55 22	49 70
	St. Charles—		
XXXVI	In north gable of T. Benoit's house	47 92	42 40
XXXVII	In north-west corner of R. C. church, St. Charles	51 31	45 79
	St. Hilaire—		
E	Top of cap of bench well, planted in line between St. Hilaire and St. Charles	38 71	33 19
XXV	In south-west corner of R. C. church, St. Hilaire	55 26	49 74
XXIV	In east abutment of G. T. Ry. bridge	39 51	53 99
	Belœil—		
XXIII	In west abutment of G. T. Ry. bridge	53 91	48 39
	Chambly—		
XXII	In R. Lamoureux's house	46 00	40 48
XXI	In north-east corner of L. A. Lamoureux's house	48 73	43 21
D	Top of cap of bench well, planted on south side of lock 7	54 30	48 78
XX	In south-west corner of lockmaster's office	54 50	48 98
XVIII	In lower face of wall of lock 7	54 61	49 09
XVII	In south abutment of Southeastern Ry. bridge	86 35	80 83
	In stone planted opposite J. Collette's bridge, east side of canal	100 91	95 39
XVI	In stone planted opposite L. Fortier's north line on brow of hill	103 20	97 68
	St. Athanase—		
XIII	In south-west corner of D. Beauvais' house	101 42	95 90
XII	In foundation of G. Thurston's grist and carding mill	109 56	104 04
XI	In south-west corner of D. Freschette's store, corner Napier and St. Ann streets, Iberville	110 51	104 99
	St. Johns—		
XV	In stone planted at foot of Grand Ste. Thérèse Island	99 81	94 29
XIV	In stone planted at head of Grand Ste. Thérèse Island	100 46	94 94
O	In large, flat stone, east side of canal, opposite swing bridge, at Langelier's	99 34	93 82
I	In north-east corner of G. Nolin's house, opposite lock 1	112 50	106 98
II	In coping, upper end of lock 1	107 08	101 56
III	In front of Montgomery's house, north-west corner of Lenoire and Champlain streets, St. Johns	123 03	117 51
C	Top of cap of bench well, planted in-side barracks, St. Johns	108 00	102 48
IV	In gable end of Moise Pinsonneault's house	117 08	111 56
V	In north-east gable of Mrs. Lord's house	123 32	117 80
	St. Valentin—		
VI	In south-west corner of Frs. Pinsonneault's house	113 84	108 32
VII	In stone planted in J. Bte. Bornais' field	102 85	97 33
B	Top of cap of bench well, planted opposite Bissonnette's house, St. Valentin village	103 32	97 80
VIII	In south-east corner of foundation of Boileau's hotel	112 00	106 57
IX	In north-east corner of William Vanvliet's house	134 95	129 43
	Lacolle—		
X	In stone planted a few feet from International boundary	102 39	96 8
A	Top of cap of bench well, planted in boundary line between Canada and United States	100 09	94 57

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
	<p>NOTE.—In 1890 and 1895, lines of levels were run, under the direction of Mr. Thomas Moore, Chief Engineer, Soulanges Canal, and member of the Canadian Deep Waterways Commission, from Rouse Point to Kingston, by way of the Canada Atlantic and Grand Trunk railways, and from Coteau to LaCibine by way of the Grand Trunk. He also ran side lines of levels to all the canals of the St. Lawrence system and established standard bench marks at short intervals along the canals and railways. The instrument used was the ordinary Y level, and no attempt was made at precise levelling, but there were three through lines, sometimes six, between bench marks, where there was any considerable discrepancy.</p>	
	Rouse Point, N. Y.—United States Coast and Geodetic Survey bench mark, top of plinth course, north end of Chapman block.....	108.98
	<i>Canada Atlantic Railway</i>	
	LaCelle River—South-west corner, ballast wall of east abutment of bridge...	166.52
	Johnson—South-east corner, east stone wall of open culvert at second road crossing, east of station.....	211.22
	Holtan—South-west corner, stone support, south side of door of water tank, one and half miles east of station.....	181.32
	Aubrey—South-west corner of ballast wall, east abutment of bridge over Norton Creek.....	141.15
	English River—Seat of abutment, west girder approach to bridge, south side at ballast wall.....	127.45
	Chateauguay River—South-east corner of bridge-seat, west abutment of bridge, St. Louis River—South-west corner, east abutment of bridge.....	139.79 132.79
	Coteau Landing—Iron bolt in north-west corner, south abutment, C. A. Ry. bridge over main road to Coteau du Lac, south side of Soulanges Canal....	162.24
37.9	Coteau junction—South-west corner of bridge-seat (beside shoe-plate of truss), east abutment of River Delisle bridge.....	160.06
	<i>Canadian Pacific Railway</i>	
20.8	Ste. Anne—Point on south coping, east abutment, Ste. Anne railway bridge over the Ottawa River.....	112.95
	Point on south coping, west abutment, Ste. Anne bridge.....	107.59
	Isle Perrot—Point on south coping, west stone wall of cattle-guard and culvert, west side of road crossing.....	88.22 92.60
22.9	South-east corner of masonry culvert, one-half mile east of Vaudreuil bridge. NOTE.—Great care should be exercised when using these bench marks in the vicinity of Ste. Anne, Vaudreuil and across Isle Perrot, as many of them may have been altered when double tracking the railways subsequent to the establishment of these benches in 1891.	
	<i>Grand Trunk Railway</i>	
8.1	North-west corner, south coping of culvert.....	86.75
8.6	South-east corner, south end of masonry culvert.....	96.41
11.2	East peak, south coping of culvert.....	88.71
11.8	West peak, south coping of culvert.....	88.83
13.2	Lakeside—West peak, south coping of culvert, just west of station.....	96.44
13.8	East peak, south coping of culvert.....	99.05
15.5	Beaconsfield—West peak, south coping, west wall of open culvert, just east of station.....	106.14
15.8	West peak, south coping, west wall of open culvert.....	107.79
18.5	West peak, south coping, east wall of open culvert.....	110.77
19.2	East peak, south end of masonry culvert.....	115.21
24.0	Vaudreuil—South peak of most westerly pier of Vaudreuil bridge over the Ottawa.....	84.81
24.2	South-west corner, top course, east wall of open stone culvert.....	84.20
25.2	North corner, east stone culvert.....	89.60
29.0	Cedar—Top step, east side of Roman Catholic church.....	158.28
	Coteau du Lac—Iron bolt in north-west corner of vestry of R. C. church....	157.26
34.5	South-east corner of coping, south side, west abutment, River Rouge bridge..	159.84
35.3	South-west corner of coping, south side, east abutment of River Delisle bridge.	161.59
	South-west corner of bridge-seat (close to shoe-plate of truss), south abutment of highway bridge, over River Delisle, at Coteau junction.....	159.69

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
<i>Grand Trunk Railway</i>		
39.5	St. Zozique—North-west corner of ballast wall, north end, west abutment of bridge, near station	159.72
43.4	North-west corner of coping, south side, east abutment of railway bridge, over River Beaulette	173.77
48.1	Bainsville—West peak of south coping stone, east abutment, beam culvert near station	176.26
	Lancaster—West end, stone-door-sill of post office	166.13
53.7	On plinth course, north-west corner of station	166.22
54.8	North-east corner, south coping wall, west abutment of bridge over Black River	166.53
57.2	Summerstown—East peak, south coping stone, west wall of beam culvert	179.89
62.6	South-east corner, west wall of beam culvert	175.59
63.0	South-west corner, coping stone, south end of culvert	181.97
67.1	Corvauil—East peak, south coping stone, west wall of beam culvert, near station	188.55
67.4	On plinth course, west side of second door from west end of station, north side of building	195.38
72.7	Mille Roches—East peak, south coping stone, west wall of open culvert, half mile west of station	228.67
73.7	East peak, south coping stone, west wall of beam culvert	228.95
77.1	Wales—East side, door-sill of east door, front of station, at corner of brick wall	240.00
81.6	Farrans Point—South-west corner, south coping of culvert	243.19
84.2	Aultville—South-west corner, south coping of culvert	240.69
84.5	South point, south coping stone, west wall of small bridge	243.70
88.6	North-west corner, south coping of arch culvert	247.84
89.1	South-west corner, south coping of culvert	265.40
91.7	Morrisburg—East peak, north coping stone, west wall of culvert	273.18
92.3	On plinth course, north-east corner of station	251.86
94.7	West peak, south coping stone, east wall of open culvert	256.43
95.3	West peak, south coping, west wall of small bridge	247.29
98.9	Inrosque—On plinth course, north-west corner of station	243.16
99.5	North corner, north coping of culvert	270.61
104.2	Cardinal—North-east corner, north coping of arch culvert	272.44
104.7	West peak, north coping stone, west wall of open culvert	283.41
105.6	West peak, north coping stone, west abutment of small bridge	285.05
106.8	East peak, north coping stone, east wall of open culvert	285.19
107.4	East peak, north coping, west wall of open culvert	275.69
107.8	East peak, north coping, west wall of open culvert	283.47
109.8	West peak, south coping, west wall of open culvert	305.00
110.3	South-west corner, south coping, west abutment of small bridge	312.69
112.0	Prescott—East point, coping stone, east end, south wall of east abutment, G.T.Ry. bridge over C.P.Ry. Stone broken at corner to form ledge	269.74
113.5	On plinth course, north-west corner of station	276.96
	West end, door step, main entrance to custom house	286.74
114.4	South-west corner, top stone, south end, east wall of small bridge	342.00
114.7	South-west corner, top stone, south end, east wall of open culvert	334.42
121.6	Maitland—Point of broad arrow, cut on south-east corner, stone coping, south end, west abutment of beam culvert	292.43
121.6	Point of broad arrow, cut on south-west corner of coping, south end, west abutment of beam culvert	278.43
124.9	Brockville—Point of broad arrow, cut on north-west corner of coping (below top stone at end of wall) north side of bridge over C.P.Ry. east of station	286.66
125.5	Point of broad arrow, cut on coping, west end of iron railing, south side of bridge over C.P.Ry., 1,100 feet west of station	283.17
129.5	Lyn—Point of broad arrow, cut on west end of saddle coping, north side, west abutment of small bridge	313.66
130.2	Point of broad arrow, south-west corner of coping, south end of box culvert	283.65
132.6	Point of broad arrow, south-west corner of coping, south end of arch culvert	329.68
134.2	Point of broad arrow, south-west corner of coping, south end of arch culvert	326.87
135.5	Point of broad arrow, north-west corner of coping, north end, east abutment of beam culvert	313.21
138.5	Mallorytown—Point of broad arrow, north east corner, north end of box culvert	309.44
142.5	Point of broad arrow, west end of coping, south side, west abutment of small bridge	325.61
143.2	Point of broad arrow, south-west corner, south end of box culvert	
145.6	Point of broad arrow, south-west corner of coping, south end, east abutment of beam culvert	

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
<i>Grand Trunk Railway</i>		
146.7	Lansdowne—Point of broad arrow, south-west corner of coping, south end of box culvert.	326 16
148.5	Point of broad arrow, south-west corner of coping, west abutment of beam culvert.	329 48
149.6	Point of broad arrow, north-west corner, second stone of coping, north end of box culvert.	313 86
155.0	Gananoque—Flat point, north-east corner, plinth course of station.	310 53
155.5	Point of broad arrow, west end, of saddle coping, south side, west abutment of Gananoque River bridge.	292 40
	On front edge, stone door-sill, front door of custom house.	257 14
157.9	Point of broad arrow, east end, of saddle coping, south end, east abutment of beam culvert, public road crossing.	335 72
158.5	Point of broad arrow, west end of coping, south end, west abutment of small bridge.	342 70
161.7	Point of broad arrow, on saddle coping, south end, west abutment of beam culvert.	351 61
161.9	Point of broad arrow, south-west corner of coping, south end of box culvert.	347 43
162.7	Ballantyne—Point of broad arrow, south-west corner of coping, south end of box culvert.	357 84
166.2	Point of broad arrow, south-west corner of coping, south end of box culvert.	392 27
166.5	Point of broad arrow, south-west corner of coping, south end of box culvert.	394 42
169.0	Rideau—Point of broad arrow, course below coping, south side, west abutment of Cataragui bridge.	397 51
169.7	Point of broad arrow, west end of coping, south end of box culvert.	277 74
171.2	Point of broad arrow, on coping, south-west corner, south end of box culvert.	250 81
171.7	Point of broad arrow, top of flat rock, south side of small rock cut (100 feet from west end of cut).	269 59
	Kingston—On east end of window sill; lower west window, front of Carrutler's old store.	248 19
<i>St. Lawrence Canal</i>		
	Ste. Anne Lock	
	Coping of west wall, west recess of lower gates.	82 72
	Twenty-three (23) feet mark on water-gauge at lower gates, new lock.	82 16
	Soulanges Canal—	
	North hollow quoin, upper gates of lock 4.	179 24
	" " " " " 3.	141 24
	" " " " " 2.	117 75
	" " " " " 1.	94 30
	Coping of north wall of guard-lock, at Coteau Landing; behind heel post of upper gates, 6 inches from face of recess.	159 24
	Beauharnois Canal—	
	Coping of north wall, at upper gate of lock 6, (lower entrance lock) at Melocheville.	82 05
	Coping of north wall, at upper gate of lock 7, near lower guard post.	92 94
	North-west corner of south-west pier, Canada Atlantic Railway bridge, across canal.	154 99
	Coping of north wall of lock 14 (guard-lock at Valleyfield) behind heel post of upper gate.	155 39
	Cornwall Canal—	
	North hollow quoin of lower gates, lower new entrance lock, 8 inches from face of wall, immediately behind gate anchorage casting.	167 60
	South hollow quoin of upper gates, new guard-lock, Dickinson Landing; point is three inches from face of wall in rear of gate anchorage casting.	205 43
	Farrars Point Canal—	
	On coping of north wall, at upper gates of new lock.	210 30
	South hollow quoin of lower gates of old lock; point near face of wall in front of gate anchorage.	210 27
	Morrisburg Canal—	
	North hollow quoin of lower gates of new lock; point is 4 inches from face of wall near gate anchorage.	227 36
	North hollow quoin of upper gates of new guard lock; point is 3 inches from face of wall near gate anchorage.	230 25
	Galops Canal—	
	On coping of north wall, at upper gates of new lock at Iroquois.	246 00
	South hollow quoin of lower gates of old lock, No. 25, at Iroquois; point is 3 inches from face of wall near heel post.	239 10
	South hollow quoin of upper gates of new guard-lock; point is 3 inches from face of wall near gate anchorage.	249 25

BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION		Elevation	
<i>St. Lawrence Canal</i>			
	Ogdensburg, N.Y.—		
	Top of door-sill, in east face of lighthouse, Ogdensburg, N.Y.	251	23
	Zero of water-gauge at Ogdensburg lighthouse.....	244	48
	Rideau Canal—		
	Point of broad arrow, on coping west side of lower end of entrance lock at Kingston Mills.....	257	85
	Kingston graving dock—		
	Coping of dock.....	250	33
	Point of broad arrow, cut in top of dock coping 6 inches from face of wall at inner water-gauge, west side of dock.....	250	23
	Zero of water-gauge at Kingston graving dock.....	243	73*
Miles from Montreal	OTTAWA AND GEORGIAN BAY CANAL (projected)	Low water	High water
	River St. Lawrence—		
	Montreal harbour, opposite Longueuil.	19 66	35 10
	Montreal harbour opposite Victoria bridge.....	28 5	50 5
	Lake St. Louis.....	65 79	74 84
	Ottawa River—		
22 00	Foot of Ste. Anne rapid, extreme low water, Nov. 5-7, 1895 ; highest water on record, May 16, 1876.....	67 41	75 00
22 10	Head of Ste. Anne rapid, extreme low water, Oct. 23 to Nov. 7, 1895 ; highest water on record, May 15-20, 1876.....	69 24	77 33
	Lake of Two Mountains.....	69 3	77 5
47 70	Foot of Carillon rapid.....	69 3	81 3
49 00	Above Carillon rapid.....	77 0	87 0
53 00	Foot of Chute à Blondeau rapid.....	77 1	89 1
53 10	Above Chute à Blondeau rapid.....	81 1	96 3
54 50	Foot of Long Sault rapid.....	81 2	97 6
60 43	Grenville.....	122 3	141 8
116 50	Ottawa harbour, highest water on record (May 16, 1896); 29 5 ft. on sill of lower entrance lock, Rideau Canal ; lowest water on record (Sept. 28, 1881), 4 6 ft. on sill (elevation of sill, 1200 feet).....	124 6	149 5
	Above Chaudière falls.....	168 3	176 3
118 50	Above Little Chaudière rapid.....	176 4	183 4
	Above Remoux rapid.....	179 2	187 2
122 86	Deschênes Lake.....	189 0	197 8
149 55	Foot of Chats falls.....	189 3	199 3
150 05	Above Chats falls.....	227 3	231 3
153 16	Chats Lake.....	239 1	246 1
171 13	Foot of Chenaux rapid.....	239 3	246 3
171 33	Head of Chenaux rapid.....	239 9	249 9
179 73	Foot of Portage du Fort rapid.....	241 8	251 8
	Head of Portage du Fort rapid.....	254 8	263 8
181 33	Foot of Mountain rapid.....	261 0	271 0
	Head of Mountain rapid.....	274 3	287 3
	Head of Dargie rapid.....	276 0	291 7
	Foot of Calumet rapid.....	281 7	296 7
184 14	Head of Calumet rapid.....	337 4	346 4
202 29	Head of La Passe rapid.....	341 6	351 6
175 73	Head of Portage du Fort rapid.....	294 8	304 8
183 00	Foot of Rocher Fendu falls.....	255 3	265 3
184 50	Foot of Long rapid.....	261 7	270 7
186 00	Foot of La Barrière rapid.....	278 0	289 0
187 00	Foot of Muskrat rapid.....	281 3	290 3
188 06	Foot of Mice rapid.....	288 3	297 3
188 50	La Fontaine Lake.....	291 4	299 4
189 50	Head of Black rapid.....	310 1	320 1
190 20	Head of Black falls.....	327 9	337 9
192 00	Head of Flat rapid.....	339 9	349 9
195 92	Head of La Passe rapid.....	341 6	351 6

* Zero at Kingston is the same as zero at Toronto, and was determined during August and September, 1887, by a full month's simultaneous readings. The zero mark cut on the entrance works of the graving dock is the level established under my direction, and represents the mean low water level of the lake at Kingston. A similar zero mark is cut on the base of the martello tower at Swift's wharf. The sill of the dock at Kingston is curved, and its lowest point is 15 5 feet below zero, and coping level is 6 5 above.

Letter from H. F. Perley to Thos. Monro, Jan. 22, 1895.

Miles from Montreal	OTTAWA AND GEORGIAN BAY CANAL (projected)	Low water	High water
Ottawa River—			
296 60	Foot of Allumette Island	344 2	355 2
215 43	Foot of Chapeau rapid	344 9	355 9
215 50	Head of Chapeau rapid	345 5	356 5
229 35	Foot of Îlet rapid	346 1	356 6
221 10	Head of Culbute rapid	363 2	370 2
226 40	Allumette or Pendreke Lake	363 5	370 2
254 00	Head of Deep River	361 8	374 6
255 64	Head of Des Joachims rapid	391 2	408 2
263 30	Mouth of Dumoine River	392 2	409 9
268 25	Foot of McSorley rapid	395 2	
289 00	Head of Trout rapid	398 2	
272 50	Foot of Rocher Capitaine rapid	401 1	
273 85	Head of Rocher Capitaine rapid	442 0	456 0
285 55	Foot of Deux Rivieres rapid	446 3	461 9
286 01	Head of Deux Rivieres rapid	458 9	
286 70	Foot of Trout rapid	459 7	
287 15	Head of Trout rapid	467 1	484 5
288 10	Foot of L'Eveille rapid	469 9	
288 70	Head of L'Eveille rapid	477 4	
296 75	Foot of Rocky Farm rapid	477 8	
391 50	Head of Rocky Farm rapid	486 3	
396 55	Foot of Johnson rapid	487 1	
397 00	Head of Johnson rapid	492 0	
397 60	Foot of Mattawa rapid	492 0	
398 00	Head of Mattawa rapid	495 2	509 5
398 00	Mouth of Mattawa River	495 2	509 5
Mattawa River—			
310 40	Foot of Plein Chant rapid and chute	500 6	
310 80	Head of Lac Plein Chant	517 5	
316 25	Foot of des Epines rapid	517 7	
316 30	Head of des Epines rapid	523 3	
316 85	Foot of Rose rapid	523 5	
317 00	Head of Rose rapid	529 1	
318 20	Foot of des Rochers rapid	530 5	
318 30	Head of des Rochers rapid	535 3	
319 00	Foot of des Aiguilles rapid	535 4	
319 01	Head of des Aiguilles rapid	535 8	
321 65	Foot of Paresseux chute	535 8	
321 85	Head of Paresseux chute	569 6	
322 20	Foot of Little Paresseux rapid	569 6	
322 35	Head of Little Paresseux rapid	578 0	
323 38	Foot of Lake Pimisi (Eel Lake)	591 6	
324 53	Foot of Talon chute	590 6	
324 71	Head of Talon chute	633 3	
325 18	Rapid below Lake Talon	633 3	
325 33	Lake Talon	634 2	639 3
336 08	Foot of Turtle Lake	664 1	665 9
339 26	Trout Lake (summit)	665 0	667 8
	Proposed summit level of canal to be obtained by lowering Trout and Turtle lakes and raising Lake Nipissing	657 2	
French River—			
351 98	Lake Nipissing	640 5	647 8
	(Area of water surface, 330 sq. miles; of watershed, 3,600; total area of basin, 3,930 sq. miles).		
382 42	Head of Chandiere portage	640 5	647 8
382 72	Foot of Chandiere portage	615 2	
384 03	Foot of Chandiere rapid	614 5	618 2
391 60	Head of Pine rapid	614 5	618 1
391 69	Foot of Pine rapid	611 9	
392 45	Head of Grande Fauille rapid	611 8	615 2
392 53	Foot of Grande Fauille rapid	606 2	
393 22	Head of Buisson rapid	605 8	
393 32	Foot of Buisson rapid	602 5	
393 78	Head of Petite Fauille rapid	602 5	
394 00	Foot of Petite Fauille rapid	598 1	604 5
395 49	Head of Parisien rapid	597 3	
395 70	Foot of Parisien rapid	596 1	599 9
412 72	Head of Grand Recollet rapid	595 8	
412 74	Foot of Grand Recollet rapid	589 0	

Miles from Montreal	OTTAWA AND GEORGIAN BAY CANAL (projected)	Low water	High water
	FRENCH RIVER—		
413 74	Head of small rapid.....	588 9	
413 82	Foot of small rapid.....	588 2	
417 54	Head of small rapid.....	588 2	590 1
417 64	Foot of small rapid.....	586 2	
427 81	Head of Petites Dalles rapid.....	586 2	
428 02	Foot of Petites Dalles rapid.....	578 52	
430 76	Georgian Bay, at mouth of French River, (mean water, 1871-1890, 379-90).....	578 52	583 26
	OTTAWA RIVER		
	Area of basin— Sq. miles		
	From headwaters to mouth of Mattawa River	18,430	
	From mouth of Mattawa River to Ottawacity.....	27,460	
	From Ottawa to River St. Lawrence.....	10,880	
	Total area of basin	56,470	
	At junction with Mattawa River.....	495 2	509 5
	Foot of Cave rapid.....	495 5	509 5
	Head of Cave rapid.....	505	519
	Foot of Les Erables rapid.....	506 3	520 3
	Head of Les Erables rapid.....	518 6	532 6
	Foot of Mountain rapid.....	519 1	535 1
	Head Mountain rapid.....	522 2	540 1
	Foot of Seven-league Lake.....	522 2	540 1
	Head of Seven-league Lake.....	522 7	542 6
	Head of Long Sault rapid.....	577 6	591 6
	" " " (1887).....	572	591
	" " " (1894).....	571	591
	Lake Temiscaming—		
	Below Opimika Narrows.....	577	591
	Above Opimika Narrows.....	577 8	591 8
	Above Old Fort Narrows.....	578	592
	RIDEAU CANAL		
Miles from Ottawa	Foot of locks at Ottawa, lowest water on record, Sept. 28, 1881.....		124 6
0 0	Above Ottawa lock station.....		208
5 0	" Hartwell " ".....		242 5
6 5	" Huchon " ".....		251 5
10 0	" Black Rapids lock station.....		276 7
15 0	" Long Island " ".....		287
42 0	" Burritt " ".....		301 5
43 5	" Nicholson " ".....		311
45 0	" Clowes " ".....		338 5
46 5	" Merrickville " ".....		348
54 5	" Maitland " ".....		364 5
58 5	" Edmonds " ".....		397 5
60 0	" Old Sly " ".....		403 5
61 0	" Smiths Falls " ".....		407 8
63 0	" " " (Rideau Lake).....		463 3
83 0	" " " (Upper Rideau Lake, summit level).....		395 8
88 5	Below Isthmus " " (Mud, Clear, Indian and Mosquito lakes).....		385 8
93 0	" Chaffey " " (Opimicon Lake).....		383 1
95 5	" Davis " " (Sand Lake).....		396 1
98 5	" Jones Falls " " (Whitefish and Cranberry lakes).....		291 9
109 5	" Upper Brewers " ".....		243 45
111 5	" Lower Brewers " ".....		
127 5	Lake Ontario at Kingston, standard low water.....		
	GANANOQUE RIVER		
	Morton, crest of dam.....		325 1
	" " water above dam.....		325 1
	" " water at bridge.....		268 2
	Delta of Lower Beverly Lake.....		265 1

		GANANOQUE RIVER	
			Low water
		Lyndhurst, upper mill pond.....	265.7
		Lyndhurst, lower mill pond.....	271.3
		Killenbeck Lake.....	272.7
		Long Lake.....	271.1
		Singleton Lake.....	270.8
		Charleston Lake.....	271.7
		Gananoque River at Marble Rock.....	262.3
		St. Lawrence River, at mouth of Gananoque River, standard low water.....	243.4
		TRENT CANAL	
	Miles from Trenton	Lake Ontario at Trenton, standard low water.....	243.45
	0 0	Trent River—	
		At Frankford.....	361
		Foot of Chisholm rapids.....	361
		Percy Beach.....	374
		38.5 Head of Ranney falls.....	421
		37.5 Foot of Middle falls.....	482
		37.5 Head of Middle falls.....	527
		38.0 Crow Bay.....	538
		42.5 Head of Hedy falls.....	605
		61.0 73.5 Rice Lake.....	614
		93.2 94.5 Little Lake.....	629
		104.0 107.9 Katchewanooka Lake.....	701
		107.9 115.5 Clear and Stony lakes.....	768
		117.7 Head of Barleigh Canal.....	790
		Levesick Lake.....	790
		Deer Bay.....	793
		Little Buckhorn Lake.....	795
		125.0 140.5 Buckhorn and Pigeon lakes.....	805
		140.7 156.0 Sturgeon Lake.....	812
		156.7 161.5 Cameron Lake.....	812
		161.5 166.5 Balsam Lake (summit).....	838
		183.0 Lakes Simcoe and Couchiching, low water (Oct. 17, 1900).....	718
		(Area of water surface, 100 sq. miles; of watershed, 1,750; total area of basin, 2,050 sq. miles.)	
		233.0 Lake Huron, standard low water.....	578.52
		Lake Scugog Branch—	
		161.2 Below Lindsay lock.....	813
		161.2 Above Lindsay lock.....	821
		190.0 Lake Scugog.....	821
		MADAWASKA RIVER	
			Elevation
		Ottawa River, Chats Lake, high water, 246; low water.....	239
		Calabogie Lake.....	267
		Head of High falls.....	611
		At Wright and Batsons.....	891
		At confluence with York River.....	931
		Lake Kaminiskah.....	931
		Bark Lake.....	1,010
		Canada Atlantic Ry. bridge near Madawaska station.....	1,014
		Canada Atlantic Ry. second crossing, near 27.2 miles.....	1,177
		Rapids Lake.....	1,239
		Long Lake.....	1,281
		Rock Lake.....	1,281
		Whitefish Lake.....	1,281
		Lake of Two Rivers.....	1,289
		One and half miles east of Cache Lake station.....	1,357
		Cache Lake.....	1,496
		Height of land between Madawaska and Muskoka rivers.....	1,506
		YORK RIVER	
	Miles from Madawaska R.	0 0 York River at confluence with Madawaska River.....	681
		7.7 Head of Conroy rapid, rise 3 0 ft.....	936
		25.8 Head of fall, rise 18 5 ft.....	973
		26.8 Head of rapid, rise 8 7 ft.....	983
		27.6 Head of falls, rise 34 3 ft.....	1,019
		33.4 Head of falls and rapids, rise 23 ft.....	1,045

Miles from Madawaska R.	YORK RIVER	Elevation
37.1	Head of Bancroft rapid, rise 20 ft.	1,067
50.0-57.0	Katijek-Manitou or Baptiste Lake.	1,205
68.5	Papineau Lake.	1,214
BONNECHERE RIVER		
0.0	Ottawa River, Chats Lake, high water, 236; low water	239
1.2	Head of 1st chute, rise 82.66 ft.	272
7.6	Head of 2nd chute, rise 82.61 ft.	364
8.6	At Canadian Pacific Ry. bridge, Renfrew, low water, 362; high water, 371; ordinary water.	365
20.9	Head of 3rd chute, rise 21.00 ft.	404
21.2	At Canadian Pacific Ry. bridge, Douglas.	465
24.5	Head of 4th chute, rise 38.11 ft.	471
29.5	Head of Eganville rapids, rise 44.07 ft., water, (Oct. 2, 1900).	531
33.7-35.2	Mud Lake.	550
38.7-46.0	Golden Lake, water (Oct. 2, 1900).	560
52.7-56.7	Round Lake.	564
66.2	Source of Little Madawaska River.	983
67.0	Height-of-land between Bonnechere and Madawaska.	991
PETAWAWA RIVER		
0.0	Ottawa River, Algonette Lake, high water, 370; low water.	364
0.8	Head of fall, rise 17 ft.	386
1.3	Head of fall, rise 15.3 ft.	402
2.3	Head of fall and rapid, rise 15.7 ft.	418
4.1	" fall and rapid, rise 15.3 ft.	435
6.3	" fall and rapid, rise 14.5 ft.	452
8.0	Junction with South branch.	454
9.6	Head of rapid, rise 20 ft.	475
14.8	" rapid, rise 10 ft.	493
29.5	" falls and rapids, rise 12 ft.	515
31.7	" falls and rapids, rise 27.5 ft.	543
37.1	" falls and rapids, rise 30 ft.	575
38.2	" falls and rapids, rise 48.5 ft.	627
40.4	" rapid, rise 7 ft.	634
44.2	" rapid, rise 19 ft.	654
45.5-50.2	Travers Lake.	655
50.7	Head of falls and rapids, rise 135 ft.	790
54.1	Head of cascade, dam and slide, rise 22 ft.	814
62.7-65.0	Trout Lake.	893
	Hills to south-west and north of Trout Lake.	1,550-1,650
68.0	Head of fall and rapid, rise 46 ft.	910
69.1	" rapid, rise 36.1 ft.	947
70.1	" dam and rapids, rise 17.5 ft.	985
70.5	" rapids, rise 18.6 ft.	984
70.5-71.7	Cedar Lake.	984
74.9	Head of fall and rapids, rise 78.2 ft.	1,062
75.8	" fall, rise 49.2 ft.	1,103
77.0	" rapid, rise 24 ft.	1,128
77.5	" fall and rapid, rise 47 ft.	1,176
78.7	" rapids, rise 46.9 ft.	1,224
80.7-84.0	Cattish Lake.	1,224
90.2	Burnt Lake.	1,254
102.2	White Trout Lake.	1,371
109.7	Otter-slide Lake.	1,340
MUSKOKA RIVER		
0.0	Lake Huron, mean level (1871 to 1890)	579.90
2.3	Head of 1st fall, rise 19.4 ft.	593
7.8	Head of 3rd fall, rise 13.1 ft.	615
9.0	Head of 4th fall, rise 30.4 ft.	644
16.5	Head of 8th fall, rise 34.8 ft.	714
20.7	Head of 10th fall, rise 23.4 ft.	744
29.7-34.2	Muskoka Lake, water (Aug., 1900)	745

Miles from Lake Huron	MUSKOKA RIVER	Elevation
39.0	Confluence of East River and South branch, Muskoka River	745
	East River—	
39.0	Confluence with South branch	745
39.5	Head of Braesbridge fall, rise 51.7 ft	797
39.7	Head of fall and rapid, rise 7.6 ft	800
41.0	Head of falls, rise 37.7 ft	842
54.7 58.5	Mary Lake	928
63.5 66.2	Fairy Lake	936
67.0 70.7	Peninsula Lake	936
	Vernon Lake	936
	East River at Grand Trunk Ry. bridge, near Melissa P.O.	938
	Little East River at Grand Trunk Ry. bridge near Novar.	1,066
	Rainy Lake	1,438
	Height of land between East and Meganatawan rivers.	1,536
	South Branch—	
39.0	Confluence with East River at Braesbridge	745
63.7 77.0	Lake of Bays	1,038
79.2	Head of falls, rise 22 ft	1,060
80.8 81.7	Head of rapid and fall, rise 49 ft	1,109
	Head of rapid and fall, rise 29.9 ft	1,130
	Head of rapid and fall, rise 59 ft	1,180
84.0 85.2	Oxtongo Lake	1,180
	Head of fall, rise 77.5 ft	1,234
105.7 108.2	Canoe Lake	1,319
102.2 125.5	Burnt Island Lake	1,349
	Potter Lake	1,425
	Height of land between South branch and Petawawa River	1,435
	MEGANATAWAN RIVER	
0.0	Lake Huron, mean water (1871-1899)	579.90
10.7	Small lake	613
12.7	Confluence with South branch	614
14.7	Head of rapids and falls, rise 44.81	659
16.2	Head of three falls, rise 2.40, 7.72 and 10.60 feet, respectively	681
17.0 17.7	Island Lake	681
21.7	Upper forks	693
25.2	Foot of rapids	694
29.7	Head of three rapids, rise 3.64, 20.56 and 2.00 feet, respectively	720
28.2 32.4	Wawaskosh Lake	720
32.2	Head of fall, rise 10.96 feet	731
33.8	Head of fall, rise 34.20 feet	766
35.0	Head of falls and rapid, rise 21.08 feet	789
37.7	Meganatawan River at Maple Island	797
42.7	Foot of a succession of falls and rapids, rise 49.95 feet	855
44.2	Head of a succession of falls and rapids, rise 49.95 feet	885
46.0 51.7	Almie Lake	908
54.5	Confluence with Distress River	930
60.0 62.5	Sesobe Lake	922
72.7	At junction with North Branch at Burks Falls	935
78.5	Dee Lake	968
80.2	At Grand Trunk Ry. bridge near Katrine station	969
83.2	Foot of rapids and falls	994
83.7	Head of rapids and falls	1,079
88.2	Long Lake	1,098
94.7 96.2	Wawzuke or Sand Lake	1,111
	SOUTH OR NAMANITIGONG RIVER	
0.0	Lake Nipissing, high water 647.8; low water	640.5
5.7	Head of rapid, rise 27.78 feet	680
6.1	Head of fall, rise 43.62 feet	724
6.7	Head of fall, rise 35.63 feet	759
8.1	Head of rapid, rise 7.58 feet	771
11.0	South River at 'Great elbow' near Powassan	777
15.0	Head of fall, rise 27.59 feet	808
17.1	Head of falls and rapid, rise 22.61 feet	832
17.8	Head of fall, rise 18.30 feet	851
20.0	Head of falls and rapid, rise 6.76 feet	858
	Crossing Canadian Pacific Ry. survey line (1876) high water 879; low water	873

	SOUTH OR NAMANITIGONG RIVER	Elevation
30 7	Head of succession of rapids and falls	1,031
35 0	Head of succession of falls	1,070
	At Grand Trunk Ry. bridge, near South River station	1,147
	Crossing Canadian Pacific Ry. survey line	1,150
	At Bobcaygeon road bridge	1,382
	STURGEON RIVER	
	Lake Nipissing, high water, 647 8; low water	640 5
	Sturgeon River—	
	Below Sturgeon falls	645
	Above Sturgeon falls	676
	Below Sandy falls	680
	Above Sandy falls	686
	Below rapid	697
	Above rapid	703
	Below Smoky falls	704
	Above Smoky falls, high water, 732; low water	722
	Mouth of Tomiko River, high water, 736; low water	723
	Mouth of Pike River, high water, 741; low water	725
	Mouth of Snake Creek, high water, 748; low water	730
	Mouth of Temagami River, high water, 732; low water	735
	Mouth of Maskinonge River, high water, 736; low water	783
	Mouth of Wawashkashing Creek, low water, 811; mean water	815
	Maskinonge River—	
	First Lake	813
	Second Lake	814
	Murray Lake	815
	Fourth Lake	826
	Maskinonge-wagaming Lake	836
	Kookingaming Lake	882
	McLaren River (at foot of portage from lake)	872
	Mattagamashing Lake	871
	Temagami River—	
	Mouth of Temagami River, high water, 732; low water	725
	Island Lake	880
	Red Cedar Lake	900
	Head of swift current	903
	Head of Sand-bar rapid	919
	Head of Burnt Portage rapid	930
	Head of rapid	936
	Head of Log-jam rapid	951
	Head of Twin rapid	957
	Head of Flat rapid	958
	Cross Lake	959
	Temagami Lake	964
	Marten Creek—	
	Red Cedar Lake	900
	Marten Creek—	
	Above rapid	903
	Above rapid	911
	Above rapid	914
	Above rapid	919
	Above rapid	920
	Above falls	935
	Marten Lake	936
	Wicksteed Lake	941
	Forks of outlets of Boice and Mackenzie lakes	944
	Boice Lake	956
	Lower Redwater Lake	1,003
	Upper Redwater Lake	1,004
	Mackenzie Lake	956
	Simpson Lake	966
	Expectation Lake	968
	Desperation Lake	983
	Salvation Lake	1,008
	Breadallbane Lake	986
	McDiarmid Lake	992
	Fanny Lake	994
	Bush Lake	981

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STURGEON RIVER		Elevation
STURGEON RIVER		
Tomiko River		
	Mouth of Tomiko River, high water, 736; low water	723
	Tomiko Lake	735
	Chetogomog Lake	738
	Cameron Lake	863
	Tilden Lake	928
	Kaotishimigomog Lake	948
	Poplar Lake	949
	South Spruce Lake	978
	North Spruce Lake	978
OTTERTAIL RIVER		
Mouth of Ottertail River, on Lake Temiscaming, high water, 591 8; low water		
	White Beaver Lake (Wabamunk Lake)	841
	Rath Lake	991
	Beaver pond (head of river)	991
MATABITCHOUAN RIVER		
Lake Temiscaming, at mouth of river, high water, 591 8; low water		
	Summit of Matabitichouan portage	927
	Beaver Mountain (King of Beavers)	1,247
	First Bass Lake	858
	Second Bass Lake	858 5
	Third Bass Lake	859
	Fourth Bass Lake	864
	Rabbit Lake	938
	White Bear Lake	942
	Crooked or Snake Island Lake	953
	Net Lake	965
	Thieving-bear Lake	975
	Mountain Lake (head of Matabitichouan River)	1,029
	Ferguson Lake	971
	Duncan Lake	971
	Petronit Lake	986
	Lily Lake	1,001
	Peshabo Lake	1,005
	Hogie Lake	1,007
	Granite Lake	1,006
	James Lake	1,023
	Waibaikaigamaising or Rib Lake	1,013
	Cliff Lake	1,048
	Summit Lake	1,168
	Friday Lake	1,103
	Wilson Lake	1,173
	Macdonald Creek	
	Mouth of creek on Fourth Bass Lake	864
	Cooper or Macdonald Lake	914
	Glasford Lake	927
	Small lake	927
	Moxam Lake	953 5
	Burwash Lake	934
	Ross Lake	936
	Rabbit Lake	938
MONTREAL RIVER		
Mouth of Montreal River (Lake Temiscaming) high water, 591 8; low water		
	Farm house (lumber depot) on Long portage	869
	Summit of portage	880
	Montreal River	
	At head of Long portage (three miles from mouth)	736
	Above first rapid	748
	Above second rapid	750
	Above third rapid	770
	Foot of Fountain falls	773
	Head of Fountain falls	793
	Head of Eggwi chute	825
	Above fourth rapid	830

		MONTREAL RIVER	Elevation
MONTREAL RIVER			
Montreal River—			
	Above fifth rapid		836
	Above Hound chute		861
	Portage to Mud Lake		869
	Head of sixth rapid		878
	Head of seventh rapid		882
	Foot of eighth rapid		883
	Head of eighth rapid		890
	Bay Lake		890
	Mouth of Temagami branch		903
	Indian Lake		901
	Round or Mountain Lake		911
WHITEFISH RIVER			
	0 0 Lake Huron mean water (1871-1899)		579 90
	2 0 First lake		632
	4 1 Charlton Lake		632
	5 0 Cross Lake		733
	11 2 Long Lake		754
	13 4 Fifth lake		754
	15 1 Bear Lake		762
17 4-30 4	Lake Pamache		772
31 9	La Vase Lake		772
34 6	Round Lake		780
WAHNAPIITAE RIVER			
	0 0 Confluence with French River		589
	41 0 Route to Whitefish River		704
	50 0 Foot of falls and rapids		710
	59 3 Head of falls and rapids		770
	62 0 Canadian Pacific Ry. bridge, high water		772
	64 0 Wahnapitae Lake		838
MISSISSAGI RIVER			
	0 0 Lake Huron, mean water (1871-1899)		579 90
	12 0 Mouth of Pakowagaming Brook		595
	18 4 Foot of 2nd fall		606
	18 5 Head		625
	21 0 Foot of 3rd fall		626
	21 1 Head		645
	21 5 Foot of 4th fall		645
	21 7 Head		678
	25 7 Mouth of Little White River		684
	31 7 Foot of Grand portage		686
	33 2 Head		734
	33 6 Foot of 7th fall		736
	33 6 Head		762
	36 6 East boundary of Gould tp		779
	40 6 Foot of 8th fall		776
	40 8 Head		790
	45 8 North boundary of Gould tp		805
	55 9 Head of 9th fall		838
	61 9 End of survey		856
OPEONGO ROAD			
Miles from Opeongo	Brougham—		
0 00	Constan Creek		612
0 9	Summit, lot 20		608
1 4	Depression near school, lot 24		633
	Grattan—		
3 1	Summit, lot 35		757
3 2	Junction with Aird road		725
3 7	Depression, lot 39		673
5 4	Junction with Trout Lake road (Dolan Pass), lot 48		636
8 1	Summit, lot 60		781
9 0	Constan Creek, lot 66		554

ALTITUDES IN CANADA

Miles from Opeongo	OPEONGO ROAD	Elevation
10.2	Summit, lot 71.....	834
	<i>Sebastopol</i> —	
12.0	Summit, lot 57.....	825
12.6	Junction with Hyland Lake road, lot 52.....	777
12.8	Clear Lake, high water, 759; low water.....	755
13.1	Clontarf P. O., lot 50.....	803
15.5	Summit of Pleasant hill, lot 35.....	1,386
16.4	Summit of hill, lot 31.....	1,143
17.0	Mountain or Bass Lake, water.....	1,332
17.3	Depression near Holterman's, lot 26.....	1,343
18.7	Summit of hill near school, lot 18.....	1,519
19.3	Opposite Madrid P. O., lot 13.....	1,449
20.3	Summit of hill, lot 7.....	1,654
21.7	Pond, divide between Bomsehere and Madawaska waters, lot 1.....	1,469
	<i>Brudenell</i> —	
21.9	Town line between Sebastopol and Brudenell, summit.....	1,431
22.7	Creek, lot 313.....	1,365
25.6	Summit of hill, lot 307.....	1,383
24.8	Depression, lot 229.....	1,275
26.3	Junction of Rockingham road, lot 289.....	1,216
26.9	Depression, lot 285.....	1,193
27.6	Summit, lot 280.....	1,297
28.2	Depression, lot 276.....	1,199
29.4	Summit, lot 269.....	1,311
30.7	Brennan Creek, lot 250.....	1,671
	<i>Aird Road</i> —	
3.2	Junction with Opeongo road, lot 35, Grattan.....	725
5.7	Lake, water.....	1,083
6.2	Creek, water.....	1,083
7.1	Summit.....	1,248
8.0	Depression.....	1,053
8.4	Junction with Trout Lake road.....	1,185
8.5	Summit.....	1,237
9.2	Depression.....	1,173
10.6	Summit.....	1,286
11.6	Creek, water.....	1,202
12.3	Summit of hill near Constans.....	1,439
14.6	Creek, water.....	1,271
15.4	Summit.....	1,329
18.4	Madawaska River at "Wright and Batson's," water.....	891
	<i>Hyland Lake Road</i> —	
12.6	Junction with Opeongo road, lot 52, Sebastopol.....	777
14.6	Forks of creek.....	831
15.7	Small lake.....	1,087
16.4	Summit of hill.....	1,371
17.6	Hyland Lake.....	1,199

ONTARIO—SUNDRY ALTITUDES

Algoma District

Onaping Lake.....	1,417
Lower Onaping Lakes.....	1,410
Paganawing Lake.....	1,393
Windy or Makoping Lake.....	1,660
Whitewater or Nitawagami Lake.....	825
Vermilion or Mazinwaning Lake.....	786
Fairbank or Washaganog Lake.....	867
Round Lake.....	778
Panache Lake.....	751
Bannerman Lake (Moncrieff tp.).....	1,279
Crab or Crook Lake (Cartier tp.).....	1,348
Geneva Lake.....	1,345
McQuair Hill (Cockburn Island).....	1,660

ONTARIO—SUNDRY ALTITUDES		Elevation
Algoma District		
Manitoulin Island—		
Wekwemikong Hill.....		905
Church Hill.....		880
Horsburgh Hill.....		770
Burnt Summit.....		980
Cape Smith.....		950
The Rock, Manitouaning.....		746
Shegunandah Hill.....		1,015
Top of bluff, lot 5, con. VI, Howland tp.....		946
High Hill, lot 39, con. VII, Bidwell tp.....		1,120
Dutchman Head.....		760
Maple Bluff.....		842
East Bluff.....		834
Gore Bay, bluff on east side.....		834
Janet Head.....		728
Battery Bluff.....		819
Brittonart Point.....		772
North Channel		
Northeast Hill, (Carlyle tp).....		1,769
Guleh Hill.....		1,535
Killarney Peak.....		1,385
Leading-mark Hill.....		1,460
Bread Hill.....		1,233
Fraser Bay Hill.....		1,210
Lions Rump.....		1,650
Lions Head.....		1,433
Badgley Island.....		950
Partridge Island.....		770
Heywood Island.....		758
Cloche Bluff.....		800
Cloche Mountains—		
East Knob.....		1,530
White Mountain.....		1,535
West Knob.....		1,164
The Notch.....		1,102
Round Hill.....		1,118
Post Hill.....		1,005
Melbean Mountain.....		1,207
Mount Victoria.....		1,062
Aird Island.....		
Hogan Hill.....		773
Roberts Hill, five miles N. W. of Thessalon.....		885
Mamamaise Hill.....		1,850
Gargantua Hill.....		1,631
Brule Harbour Hill.....		1,300
Bruce County		
Cabot Head, West Bluff.....		890
Cabot Head, South Bluff.....		817
Cave Point.....		720
Cape Chin.....		727
Smoky Head.....		752
Lions Head.....		814
Cape Dundas, about.....		880
Cape Paulett, about.....		980
Jones Bluff.....		956
Hay Island.....		940
Kings Point Bluff.....		951
Malcolm Bluff.....		963
Griffith Island, about.....		880
Carleton County		
Richmond village.....		321
Metcalfe village.....		286

ONTARIO—SUNDRY ALTITUDES		Elevation
Frontenac County		
Belford Township—		
Thalweg between Horswell Lake and Fish Brook, lot 26, con. I	665	
Same, between Fish and Eagle brooks, lot 23, con. II	653	
Same, between Bols Lake and St. Andrews Brook, lot 16, con. I	588	
Thirteen-island Lake	497	
Bols Lake	532	
Crow Lake	535	
Canoë Lake	465	
Devil Lake, high water 453, low water	431	
Mud Lake	448	
Birch Lake	449	
Desert Lake	450	
Canoto Township—		
Trout Lake, Lower	925	
Trout Lake, Upper	944	
Clyde River at mouth of Sunday Brook	795	
Same, at road bridge, lot 31, con. II	824	
Clarendon Township—		
Thalweg between south-west angle Palmerston and swamp, lot 1, con. I	911	
Swamp, lot 3, con. II	880	
Country south of Gull Lake, lot 4, con. IV	927	
Thalweg between Gull and Pine Lakes, lot 12, con. IV	948	
Same, between Pine Lake and Green Lake Brook, lot 16, con. IV	894	
Same, between Green Lake Creek and Mississippi River, lot 24, con. IV	891	
Same, between Mississippi River and Backshot Brook, lot 39, con. VIII	924	
Same, between Backshot Brook and brook at Playfair's, lot 43, con. IX	948	
Green Lake Brook, at Frontenac road bridge	856	
Mississippi River, at Frontenac road bridge	820	
Swamp Brook, at Frontenac road bridge, lot 3, con. VI	829	
Backshot Brook, at Frontenac road bridge	896	
Gull Lake	856	
Pine Lake	860	
Hinchinbrooke Township—		
Cold Brook, lot 4, con. III	496	
Thalweg between Napanee River and Cold Brook, lot 1, con. III	525	
Same, between St. Andrews Lake and Elbow Brook, lot 13, con. II	610	
Same, between Elbow and Fish brooks, lot 22, con. II	609	
St. Andrews Lake	554	
Horswell Lake	584	
Eagle Lake	631	
Elbow Lake	574	
Kingston Township—		
Thalweg between Collins and Little Cataraqui brooks, lot 12, con. IV	372	
Same, between Collins Brook and Loughborough Lake, lot 10, con. VII	461	
Same, between Collins and Glenvale brooks, lot 1, con. V	423	
Same, between Mud and Glenvale brooks, lot 5, con. VII	471	
Same, between Mud and Collins brooks, lot 13, con. IV	371	
Loughborough Township—		
Thalweg between Loughborough and Sydenham lakes, lot 6, con. III	531	
Same, between Sydenham and Knowlton lakes, lot 1, con. VI	542	
Same, between Thirteen island and Desert lakes, lot 2, con. XIV	569	
Loughborough Lake	401	
Sydenham Lake, high water, 425; low water	422	
Gould Lake	458	
Knowlton Lake	449	
Thirty-three Island Lake	449	
Sucker Lake	450	
Otter Lake	453	
Miller Township—		
Brule Lake	872	
Buckshot Lake	959	
Brook near Playfair Corners, lot 8	969	
Thalweg opposite Brule Lake, lot 13, con. V	910	
Same, lot 12, con. IV	980	
Big Brook, lot 15, con. II	974	
Summit, lots 27 and 28, cons. I and II	1,161	
Swamp, lot 39, con. III	1,022	
North boundary of township, lot 40, con. III	957	
Thalweg between swamp and north boundary, lot 38, con. II	1,059	
Same, between Buckshot and Brule lakes, lot 12, con. IV	1,038	

ONTARIO—SUNDRY ALTITUDES	Elevation
Frontenac County	
Olden Township—	
Thalweg between St. George and Sharbot lakes, lot 10, con. XI.....	686
Swamp, lot 13, con. III.....	704
Thalweg between Long Lake and swamp, lot 13, con. III.....	777
Sharbot Brook, near Soles corners, lot 19, con. V.....	718
Thalweg between Sharbot and Beaver lakes, lot 22, con. VI.....	853
White Lake.....	689
Long Lake.....	614
Hartney Hill.....	780
Beaver Lake.....	843
Thalweg between Beaver Lake and south-west angle of Palmerston, lot 30, con. VII.....	916
Oso Township—	
Thalweg, between Crow and Sharbot lakes, lot 9, con. V.....	753
Bolton Brook, lot 23, con. VII.....	599
Bolton Brook, lot 23, con. IV.....	645
Thalweg between Bolton Brook and Mississippi River, lot 29, con. VI.....	779
St. George Lake.....	640
White Lion Lake.....	739
Armstrong Lake.....	580
Silver Lake.....	578
Palmerston Township—	
Blme Lake.....	910
Antoine Lake.....	900
Lavant road, lot 28, con. IX.....	943
Thalweg between Mississippi River and Antoine Lake, lot 23, con. IX.....	928
Same, between Clyde River and Antoine Lake, lot 28, con. X.....	945
South-west angle of township, lot 2, con. I.....	858
Sunday Lake Brook, lot 27, con. VIII.....	878
Summit at McKenzie's, lot 26, con. VIII.....	920
Same, at Watt's, settler's road, lot 25, con. XI.....	919
Mississippi River, lot 10, con. X.....	644
Hill on Mississippi Road, lot 25, con. VIII.....	1,024
Hill, five miles west of Robinson Lake, on Lavant road.....	1,063
Junction of Mississippi and Lavant roads.....	932
Portland Township—	
Mud Brook and Peter Lake, lot 3, con. III.....	498
Big Brook and lot 7, con. V.....	449
Thalweg between Collins and Mud brooks, lot 2, con. I.....	476
Same, between Mud and Big brooks, lot 4, con. IV.....	519
Same, between Big Brook and Napanee River, lot 7, con. VIII.....	535
Same, between Napanee River and Sydenham Lake, lot 3, con. VIII.....	586
Mud Lake.....	446
Napanee Lake.....	446
Silver Lake.....	446
Rock Lake.....	446
Long Lake.....	446
Grey County	
Skimmer Bluff.....	951
Esther Cliff.....	952
Halliday Hill.....	951
Dodd Hill.....	1,012
Pyette Hill (top of trees).....	1,022
Coffin Hill.....	954
"The Clay Banks".....	950
Cape Rich Bluff, lot 32, con. VII., St. Vincent tp.....	1,045
Bluff, lot 10, con. V., St. Vincent tp.....	1,075
Hill, lot 9, con. II, St. Vincent tp.....	1,090
Blue Mountain—	
Bluff, lot 24, con. IV., Collingwood tp.....	1,285
Bluff, lot 18, con. IV., Collingwood tp.....	1,555
Bluff, "The Caves," lot 13, con. II., Collingwood tp.....	1,625
Osler Bluff, lot 6, con. I., Collingwood tp.....	1,655

ONTARIO—SUNDRY ALTITUDES		Elevation
Lanark County		
Beekwith Township—		
Franktown, P.O.		482
Lavant Township—		
South Branch Clyde River, lot 15, con. IX.		903
Same, lot 16, con. IX.		682
Thalweg on Lavant road, lot 7, con. X.		1,045
Lowest point, Robinson Lake to Mississippi road, lot 9, con. XII.		842
Lavant road—		
Small lake on north side, lot 7, con. V.		564
Old clearing, one mile west of Robinson Lake.		1,435
Hill two miles west of Robinson Lake.		1,024
At bottom of stream flowing to Graham Lake, lot 9, con. XI.		841
Little Joe Lake.		694
Cameron or Round Lake.		628
Robinson Lake.		553
Graham Lake.		836
Beaver Lake.		881
Nipissing District		
Lynx Lake.		1,025
Cole Lake.		1,045
Turner Lake.		1,057
Annima-Nipissing Lake.		1,070
Breches Lake.		1,085
Mannajigama Lake.		1,075
Trout Lake.		857
Wakemika Lake.		955
Obabieca Lake.		932
Wawigama Lake.		917
Bear Lake.		597
Angus Lake.		1,051
Three Portage Lake.		966
Rankin Lake.		976
Miller Lake.		977
Kettle Lake.		1,015
Nosbonsing Lake, high water, 781; mean water.		776
Emerald Lake.		1,069
Mud Lake.		505
Bay Lake.		500
Lady Evelyn Lake.		890
Nonwakaming Lake.		555
Big Whitefish Lake.		1,010
Ramsay Lake.		820
Campbell Lake.		648
Barlow Lake.		632
Elbow Lake.		478
Red Deer Lake.		685
Oiler Lake.		384
Demedus Lake.		1,022
Wasessingama Lake.		1,025
Green Lake.		1,046
Brophy Lake.		1,056
Ingall Lake.		1,050
Jumping Caribou Lake.		1,048
Upper Twin Lake.		993
Lower Twin Lake.		977
Mann Lake.		975
Norris Lake.		955
Hanging Stone Lake.		919
Rainy River District		
Kishkatena Ridge, near Rainy Lake.		1,090
St. Joseph, Lake.		1,172
Lac Seul.		1,140
Sandbar Lake.		1,035

ONTARIO—SUNDRY ALTITUDES		Elevation
Rainy River District		
Wilcox Lake.....		1,030
English River at mouth of Red Lake River.....		1,165
Sturgeon Lake.....		1,327
Brule Lake.....		1,389
Jigak Lake.....		1,390
Pine Lake (English River).....		1,338
Kukukus Lake.....		1,281
Pagutehi Lake.....		1,371
Sand Point Lake.....		1,337
Orang-ontang Lake.....		1,339
Kashawi Lake.....		1,263
Mennitaki Lake.....		1,154
Kapikwabekak Lake.....		1,215
Kekekwahek Lake.....		1,242
Sandy Lake.....		1,190
Little Sandy Lake.....		1,286
Renfrew County		
Admaston Township—		
Thalweg at Carr's, between Bonnechère River and Hall Brook, lot 4, con. IX and X.....		676
Same, between Bonnechère River and Holliday Brook, lot 3, con. IX.....		676
Same, between Constan Brook and Norway Lake, lot 5, con. XIV.....		682
Alice Township—		
Thalweg, between Indian and Snake rivers, lot 1, con. A.....		540
Bagot Township—		
Thalweg, between Calabogie Lake and Holliday Brook, lot 26, con. IX.....		598
Same, between Calabogie and Norway lakes, lot 21, con. X.....		580
Holliday Hill.....		626
Norway Lake.....		545
Allack Lake.....		649
Pero Lake.....		553
Blithfield Township—		
Madawaska River at head of High falls.....		611
Thalweg, between Mile and Clyde lakes, lot 4, con. II.....		695
Clyde Lake.....		640
Mile Lake.....		610
Bromley Township—		
Thalweg, between Snake and Bonnechère rivers, lot 4, con. VII.....		515
Snake River, lot 20, con. IV.....		444
Brougham Township—		
Thalweg, between Brady and Ferguson brooks, lot 1, con. XII.....		598
Same, between Bonnechère River and Holliday Brook, lot 5, con. XIV.....		682
Constan Brook, lot 17, con. XVI.....		599
St. Patrick, Mount.....		1,383
Grattan Township—		
Eganville—		
Bonnechère River at road bridge, 531; bridge.....		546
Road opposite post office.....		554
Summit of road to Canavia Atlantic Ry. station.....		628
Thalweg, between Constan Lake and Bonnechère River at Douglas, lot 3, con. IV.....		706
Swamp, lot 26, con. XI.....		827
Constan Lake.....		657
Griffith Township—		
Trout Lake, high water, 1,246; low water.....		1,242
Constan Hill.....		1,438
McGregor's tavern.....		1,353
Pembroke Township—		
Indian River, lot 14, con. I.....		383
Alumette or Pembroke Lake, high water 375, low water.....		267
Sebastopol Township—		
Marsh, lot 63, Opeongo road.....		738
Westmeath Township—		
Muskkrat Lake, low water.....		467
Mud Lake, low water.....		467

ONTARIO—SUNDRY ALTITUDES		Elevation
Renfrew County		
Willowford Township—		
Bonnechère River, lot 20, con. VIII.	531	
Thalweg, between Bonnechère River and brook, lot 14, con. VII.	633	
Brook, lot 14, con. XI.	558	
Brook, lot 7, con. XIII.	554	
Thalweg, between last two brooks, lot 8, con. XII.	612	
Sauce, between last brook and Snake River, lot 6, con. XIII.	563	
Snake River, lot 6, con. XVII.	468	
Brook, lot 8, con. XXI.	563	
Thalweg, between last brook and Snake River, lot 8, con. XX.	577	
Dore Lake, low water.	468	
Russell County		
Duncanville, P.O.	247	
Simcoe County		
Christian Island, about	880	
Beekwith Island, top of trees	897	
Hope Island, top of trees	879	
Giants Tomb Island, top of trees	830	
Thunder Bay, bluff on east side	937	
Lafontaine Hill	1,040	
Pen-tangishene, Reformatory Hill	790	
Victoria Harbour, bluff behind, about	780	
Thunder Bay District		
Daugon Hill	1,450	
Tip-top Hill	2,180	
Michipicoten Island	1,357	
Ossau Bay Hill	1,500	
Peninsula Harbour Hill	1,400	
Schreiber Hills	1,450	
Winston Hill	1,600	
Isle St. Ignace, summit	1,663	
Nipigon Bay, hill at west end	1,863	
Rowan Mount, west of Lake Helen	1,600	
Nipigon, Lake, (area of water surfaces, 1,730 sq. miles; of watershed, 6,460; total area of basin, 8,190 sq. miles)	1,350	
Thunder Cape	850	
McKay Mountain	1,950	
Pic Island	1,600	
Sand Lake	1,450	
Whitfish Lake	1,350	
Arrow Lake	1,530	
Silver Mountain	1,510	
Rabbit Mountain	1,730	
Victoria P. O.	1,400	
Beaver P. O.	850	
Northern Light Lake	936	
Twin Lake	1,441	
Xonowatam Lake (Black Sturgeon River)	1,484	
Black Sturgeon Lake	738	
Kakawipitchewi Lake	821	
Round Lake (Gull River)	905	
Lac des Iles (Dog River)	1,373	
Battery Lake	1,268	
South Br. Albany River, lakes at head	1,568	
Pakeeshkon Lake	1,120-1,146	
	1,527	
PIC AND KENOGLAMI RIVERS		
Pic River—		
Intersection with Herrick's exploration line	653	
Foot of first portage	673	
Head of first portage	712	
Foot of second portage	724	
Head of second portage	747	

		PIC AND KENOGAMI RIVERS	Elevation	
		Pic River—		
		Foot of third portage.....	751	
		Head of third portage.....	831	
		Foot of Dying portage.....	836	
		Jackfish Pond.....	806	
		Kawepetewewa Lake, at head of fifth portage.....	920	
		Rabbit Lake.....	940	
		McKay Lake.....	1,047	
		Mud Lake.....	1,051	
		Kenogami River		
		Making ground River, at end of summit portage.....	1,036	
		Long Lake.....	1,013	
		Pine Lake, Kenogami River.....	891	
		Kenogami River at Long Island.....	600	
		Kenogami River at Pembina Island.....	480	
		Manitowanning Lake (N.W. of Long Lake House).....	1,053	
		Round Lake, half mile from last.....	1,053	
		Muddy Lake (N.W. of Long Lake House).....	1,045	
		Fletting Lake.....	1,088	
		Kawakashigama Lake.....	1,069	
		Erg Lake.....	1,053	
		Mountain Lake.....	1,100	
		Granite Mountain on S. side of Mountain Lake.....	1,330	
		Height-of-land on Ombubika River route.....	1,150	
		KAMINISTQUIA CANOE ROUTE LAKE SUPERIOR TO LAKE WINNIPEG		
Miles from				
Fort William	0 0	Lake Superior at Fort William mean water (1871-1895).....	600 54	
	17 7	Parossexu rapid (semi-discharge) 15 chs. ascending 5 10 ft.....	650 655	
	23 9	Kaministiquia River at Canadian Northern Railway, Duluth and Western branch, bridge.....	630	
25 7	26 2	Mountain portage (Kakabeka falls), 62 chs. ascending 119 05 ft. (including rapids above and below the falls).....	706 825	
	26 7	Ecarte or Rocky portage 38 chs. ascending 62 95 ft.....	825 889	
	29 7	Neelet portage, 6 chs. ascending 6 50 ft.....	895 962	
	31 1	Island portage, 3 chs. ascending 12 62 ft.....	912 924	
	31 2	Potholes portage, 3 chs. ascending 6 90 ft.....	924 951	
	31 5	Knife portage, 5 chs. ascending 19 49 ft.....	932 951	
31 5	31 9	Trois decharges, 35 chs. ascending 10 00 ft.....	952 962	
33 2	33 3	Poplar portage, 8 chs. ascending 3 90 ft.....	973 976	
	36 7	Kaministiquia River at Canadian Pacific Ry. bridge.....	954	
	38 3	Rapid fall, 5 chs. ascending 4 ft.....	995 1,000	
	41 1	Portage des Martres (semi-discharge) 1 ch. ascending 4 ft.....	1,007 1,011	
	41 4	Little Dog portage, 4 chs. ascending 14 94 ft.....	1,012 1,027	
42 8	44 6	Little Dog Lake.....	1,030	
44 6	46 2	Great Dog portage, 134 chs. ascending 347 81 ft.....	1,030 1,378	
		Summit of Great Dog portage, 490 ft. above Little Dog Lake.....	1,520	
46 2	54 2	Great Dog Lake (221 ft. deep).....	1,378	
	79 8	Barriere portage (semi-discharge), 3 chs., ascending 3 80 ft.....	1,382 1,386	
	81 5	Jourdain portage, 7 chs. ascending 8 60 ft.....	1,385 1,395	
	84 7	Coldwater portage, 5 chs. ascending 0 75 ft.....	1,395 1,396	
	84 8	Coldwater Lake.....	1,396	
84 8	87 4	Prairie portage, 216 chs. ascending 157 12 ft. to Height-of-land Lake.....	1,396 1,553	
		Summit of Prairie portage, about.....	1,586	
	87 4	87 6	Height-of-land Lake.....	1,553
	87 6	88 1	Middle portage, 39 chs. descending 16 39 ft. to Lac du Milieu.....	1,533 1,536
	88 1	88 1	Lac du Milieu or Savanne Lake.....	1,536
	89 2	89 2	Great Savanne portage, 101 chs. descending 31 67 ft. to Savanne River.....	1,536 1,496
110 7	135 5	Lac des Mille Lacs.....	1,496 1,498	
135 5	135 7	Baril portage, 17 chs. ascending 1 86 ft. to Baril Lake.....	1,496 1,498	
135 7	143 2	Baril Lake.....	1,498	
143 2	143 5	Brule portage, 21 chs. descending 47 92 ft.....	1,498 1,451	
143 5	151 4	Windigoostigwan Lake.....	1,451	
155 4	157 2	French portage, 140 chs. descending 99 71 ft.....	1,446 1,346	
157 2	158 4	French Lake.....	1,346	
168 4	168 7	Pine or Pickorel portage, 26 chs. descending 6 90 ft.....	1,345 1,338	
168 7	170 1	Dore Lake.....	1,338 1,221	
170 1	170 4	Deux Rivières portage, 32 chs. descending 117 22 ft.....	1,221 1,220	
171 8	186 1	Sturgeon Lake.....	1,220 1,215	
186 1	186 2	First Sturgeon rapid (semi-discharge) 11 chs., descending 4 51 ft.....	1,220 1,215	
	186 4	Second Sturgeon rapid, portage 3 chs. descending 6 21 ft.....	1,215 1,209	

Altitude	Miles from Fort William	KAMINISTIGUIA CANOE ROUTE—LAKE SUPERIOR TO LAKE WINNIPEG	Elevation
751			
851			
886			
886			
929			
940			
1,047			
1,051			
1,095			
1,013			
1,015			
1,088			
1,069			
1,093			
1,100			
1,100			
1,130			
1,150			
600 54			
650 655			
600			
706 825			
825 859			
805 902			
912 924			
924 931			
932 951			
932 962			
973 976			
939			
996 1,000			
1,07 1,011			
1,012 1,027			
1,030			
1,030			
1,030 1,378			
1,520			
1,378			
1,386 1,386			
1,386 1,385			
1,386 1,386			
1,386			
1,386 1,553			
1,586			
1,553			
1,553 1,556			
1,536			
1,584 1,584			
1,496			
1,498 1,498			
1,498 1,451			
1,451			
1,446 1,446			
1,446 1,446			
1,345 1,338			
1,338			
1,338 1,221			
1,220			
1,220 1,215			
1,215 1,309			
186 4 194 1		Tanner Lake.....	1,199
194 1		Island or Minto rapid, semi-discharge, 5 chs. descending 150 ft.....	1,199 1,194
198 7		Island portage, 2 chs. descending 1036 ft.....	1,193 1,183
201 5 207 9		Lake Nequaquon.....	1,181
209 4		Snake portage, 5 chs. descending 1214 ft.....	1,181 1,169
212 4		Long or Crow portage, 8 chs. descending 988 ft.....	1,168 1,158
221 8		High Falls portage, 5 chs. descending 1698 ft.....	1,151 1,135
224 4		Long rapid, 80 chs. descending 1900 ft.....	1,151 1,124
226 1		Namakan rapid, 15 chs. descending 7 00 ft.....	1,124 1,117
227 9 254 7		Namakan Lake.....	1,117
234 8		Kettle Falls or Bare portage, 6 chs. descending 835 ft.....	1,117 1,108
235 2 239 9		Rainy Lake.....	1,108
272 0		Chaudiere falls, Fort Frances, portage 8 chs. descending 23 92 ft. at low water and 27 33 ft. at high water.....	1,106 1,083
303 6		Manton rapid, 3 chs. descending 1 37 ft.....	1,068 1,067
311 1		Long Sault rapid, 5 chs. descending 7 26 ft.....	1,064 1,057
316 4 410 6		Lake of the Woods, low water.....	1,054
410 7		Rat Portage, 13 chs. descending 15 98 ft.....	1,054 1,038
420 1		Rapides des Dalles, 10 chs. descending 3 00 ft.....	1,037 1,034
429 0		Grande discharge, 3 chs. descending 5 50 ft.....	1,032 1,027
441 1		Yellow-tail Falls portage, 5 chs. descending 22 92 ft.....	1,025 1,003
441 2		Petit Rocher or Charotte discharge, semi-discharge, 4 chs. descending 3 50 ft.....	1,002 999
442 0		Pine or White-earth portage, 10 chs. descending 8 24 ft.....	999 991
442 1		Cave rapid, 3 chs. descending 2 50 ft.....	991 988
449 5		De l'Isle portage, 3 chs. descending 3 40 ft.....	984 981
450 5 462 8		Lake Tetra.....	981
481 0		Grand Gilet or Clute a Jacquet portage, 5 chs. descending 1300 ft.....	975 965
488 8		Grande Pointe des Bois portage, 13 chs. descending 10 50 ft.....	964 953
488 9		Petite-Pointe des Bois or aux Choux portage, 5 chs. descending 19 92 ft.....	953 953
490 1		Third Pointe des Bois or Petite Roche Brule portage 3 chs. descending 7 80 ft.....	932 924
494 3		Slave Falls portage, 30 chs. descending 19 80 ft.....	925 903
500 1		Barriere chute, 3 chs. descending 4 37 ft.....	901 896
507 1		Otter Falls portage, 10 chs. descending 3 00 ft.....	894 891
514 0		1st. portage, 6 chs. descending 10 23 ft.....	883 875
514 2		2nd. " 5 " 8 17 ft.....	872 864
514 4		3d. " 8 " 5 60 ft.....	862 856
514 9		4th " 3 " 7 68 ft.....	854 846
515 6		5th " 4 " 2 90 ft.....	845 842
515 7		6th " 5 " 8 13 ft.....	840 832
515 7		7th " 6 " 4 75 ft.....	831 826
527 2 533 3		Bonnet Lake.....	825
533 4		Anse or First Gilet du Bonnet portage, 1 ch. descending 7 31 ft.....	822 815
535 4		Cap or Second Gilet du Bonnet portage, 4 chs. descending 5 00 ft.....	814 809
538 7		Big Bonnet Falls portage, 51 chs. descending 34 23 ft.....	805 771
539 6		Little Bonnet or Rocher du Bonnet portage, 6 chs. descending 8 25 ft.....	770 762
542 6		White-mud Falls portage, 15 chs. descending 13 05 ft.....	758 745
545 5		Des Chenes or First Silver Falls portage, 7 chs. descending 6 06 ft.....	744 738
545 8		First Eau qui Remont or Second Silver Falls portage, 13 chs. descending 15 56 ft.....	737 722
551 0		Second Eau qui Remont or Pine portage, 12 chs. descending 8 35 ft.....	729 712
552 7		Manton rapid, 2 chs. descending 1 00 ft.....	712 711
558 8		Lake Winnipeg at mouth of Winnipeg River.....	710
	Miles from Fort William	SEINE RIVER CANOE ROUTE—LAC DES MILLE LACS TO RAINY LAKE	
110 7 141 5		Lac des Mille Lacs.....	1,496
145 3		Fall, portage 4 chs. descending 14 38 ft.....	1,488 1,474
148 8		Fall, portage 31 chs. descending 9 11 ft.....	1,473 1,464
156 8		Little fall, portage 12 chs. descending 10 50 ft. and 14 10 ft.....	1,458 1,433
171 0		Long rapid, portage 10 chs. descending 21 06 ft.....	1,430 1,399
175 5		Fall, portage 21 chs. descending 11 26 ft.....	1,385 1,383
180 3		Island fall, portage 2 chs. descending 18 06 ft.....	1,379 1,361
180 4 186 3		Kumintionchink Lake.....	1,361
186 4		Portage 3 chs. descending 3 98 ft.....	1,361 1,357
186 5		Charwater Lake.....	1,357
190 0		Cat-head portage, 2 chs. descending 7 39 ft.....	1,337 1,330
190 1 195 0		Cat Lake.....	1,330
195 1		Portage 4 chs. descending 7 48 ft.....	1,330 1,343

Miles from Fort William	SEINE RIVER CANOE ROUTE—LAC DES MILLE LACS TO RAINY RIVER	Elevation
195-1	198 5 Moose Lake	1,312
	198 6 Fall, portage 2½ chs, descending 11 58 ft.	1,341-1,330
	200 4 Two Island fall, portage 2 chs, descending 6 00 ft.	1,339-1,324
	200 9 Portage 1½ chs, descending 11 80 ft.	1,324-1,312
	201 1 Steep fall, portage 12 chs, descending 36 90 ft.	1,312-1,275
201 2	212 7 Steep Rock Lake	1,275
212 8	219 5 Perch Lake	1,272
219 6	224 2 Lake-expansion,	1,267
224 3	223 4 Falls, descending 8 81, 3 42 and 6 95 ft., respectively, and intermediate rapids, 10 30 ft. to Nonwatin Lake,	1,267-1,238
225 4	230 6 Nonwatin Lake	1,238
	230 6 The 1st portage, 1½ chs, descending 6 20 ft.	1,238-1,232
	230 8 2nd " 1 " 4 15 ft.	1,231-1,227
	231 6 Brulé " 2 " 31 06 ft.	1,225-1,194
	232 3 Kettle Falls, portage 1½ chs, descending 4 75 ft.	1,192-1,187
	232 9 5th portage, 1½ chs, descending 4 91 ft.	1,186-1,180
	233 9 6th " 2 " 12 34 ft.	1,178-1,166
	233 6 7th " 1½ " 6 25 ft.	1,163-1,167
	237 2 8th " 1½ " 6 80 ft.	1,156-1,149
	237 5 9th " 1 " 7 03 ft.	1,149-1,142
	238 0 10th " 2½ " 7 20 ft.	1,141-1,134
	238 6 11th " 2 " 11 20 ft.	1,133-1,122
	239 5 (Sturgeon Falls portage) 1½ chs, descending 11 38 ft.	1,120-1,108
	239 6 Rainy Lake	1,108
Miles from L. Superior	PIGEON RIVER CANOE ROUTE	
0 0	Lake Superior, mean water (1871-1899)	600 54
8 4	Grand portage, 8 miles 39 chains, ascending 658 16 ft.	601-1,259
7 4	Summit of Grand portage	1,300
10 6-10 8	Partridge portage, 20 chs., ascending 69 05 ft.	1,261-1,330
20 2-21 3	Fowl portage, 91 chs., ascending 82 44 ft.	1,356-1,438
21 3-25 9	Fowl Lake,	1,438
25 9-26 3	Moose portage, 34 chs., ascending 51 71 ft.	1,438-1,490
26 3-31 4	Moose Lake	1,490
31 4-31 9	Big Cherry portage, 37 chs., ascending 132 91 ft.	1,492-1,623
32 4-32 6	Mud portage, 13 chs., ascending 9 32 ft.	1,623-1,633
33 2-33 3	Little Cherry portage, 10½ chs., ascending 16 62 ft.	1,634-1,651
33 3-41 2	Mountain Lake	1,651
41 2-41 5	Watap portage, 24½ chs., ascending 12 88 ft.	1,651-1,664
41 5-46 5	Watap or Mud Lake	1,667
46 5-48 0	Great New portage, between Pigeon and Arrow rivers, 118 chs., descending 138 67 ft.	1,667-1,528
	Summit of Great New portage	1,715
48 0-52 4	Rose Lake	1,528
52 4	Portage, 1 ch., ascending 3 16 ft.	1,528-1,531
53 0-53 2	Portage, 17 chs., ascending 19 23 ft.	1,532-1,551
53 2-56 4	South Lake	1,551
56 4-56 7	Height-of-land portage, 21 chs., descending 5 74 ft.	1,551-1,545
56 5	Summit of Height-of-land portage	1,595
56 7-69 5	Gumflint Lake	1,545
	69 6 Little Rock portage, 1½ chs., descending 12 75 ft.	1,545-1,532
	70 3 Mill Fall portage, 6 chs., descending 21 28 ft.	1,532-1,511
	71 1 Island portage, 23 chs., descending 46 42 ft.	1,511-1,465
	73 4 Portage, 15 chs., descending 10 42 ft.	1,464-1,454
77 6-82 3	Birch Lake	1,442
	82 3 Portage 1 ch., descending 5 09 ft.	1,442-1,437
	83 2 Portage 1 ch., descending 3 96 ft.	1,437-1,433
83 2-94 2	Saganaga Lake	1,432
95 1-95 3	Swamp portage, 19 chs., descending 47 13 ft.	1,432-1,385
95 3	Summit of Swamp portage	1,460
95 2-100 0	Cypress Lake	1,385-1,385
100 0	Little Knife portage, 2½ chs., descending 4 88 ft.	1,385-1,380
100 0-108 3	Knife Lake	1,380
108 3-108 7	Big Knife portage, 33 chs., descending 19 21 ft.	1,380-1,361
110 0	Portage 3 chs., descending 4 90 ft.	1,361-1,356
112 3-112 5	Carp portage, 14½ chs., descending 26 77 ft.	1,356-1,329
112 5-116 9	Carp Lake	1,329
117 0	Basswood or Birch Lake portage, 8½ chs., descending 39 83 ft.	1,329-1,280

Miles from L. Superior	PIGEON RIVER CANOE ROUTE	Elevation
117 0 131 9	Roswood Lake.....	1,289
132 0	Wood Lake portage, 7 chs., descending 13 34 ft.....	1,289 1,276
132 4	Fir portage, 16 chs., descending 12 34 ft.....	1,276 1,264
132 7	Portage, 7 1/2 chs., descending 11 12 ft.....	1,263 1,252
131 5	Portage, 3 chs., descending 10 84 ft.....	1,252 1,241
133 5-150 2	Crooked Lake.....	1,241
150 2	Curtain Fall portage, 8 chs., descending 26 23 ft.....	1,241 1,215
150 2-154 7	Iron Lake.....	1,215
154 7-154 9	Bottle portage, 20 chs., descending 33 77 ft.....	1,215 1,181
155 0-170 0	Nequaquon Lake or Lac la Croix.....	1,181
	MANITOU CANOE ROUTE—WABIGOON LAKE TO RAINY LAKE	
	Wabigoon Lake.....	1,296
	Dunowic or Little Wabigoon Lake.....	1,280
	Stanawan or Grassy River Lake.....	1,296
	Mimnehaha Lake.....	1,296
	First lake north of summit.....	1,234
	Summit of portage.....	1,276
	Summit Lake.....	1,275
	Manton Lake.....	1,215
	Pickeral Lake.....	1,214
	Sphene Lake.....	1,160
	Devils fall, descending 47 6 ft.....	1,156 1,108
	Rainy Lake.....	1,108
	INTERNATIONAL BOUNDARY—46TH PARALLEL	
	Lake of the Woods, long. 95 17'.....	1,057
	Branch of Roseau River, long. 95 40'.....	1,030
	Highest point between Lake of the Woods and Red River, long. 95 49'.....	1,061
	Pine River, long. 95 35'.....	1,027
	Roseau swamp, long. 95 08'.....	1,004
	Roseau River, long. 96 20'.....	950
	West Roseau Astronomical station, long. 96 47'.....	996
	Red River Ast. Sta., (west bank), long. 97 14'.....	788
	Michellie Ast. Sta., long. 97 40'.....	844
	East Pembina Mountain Ast. Sta., long. 98 01'.....	1,030
	Pembina Mountain, highest point on line, long. 98 10'.....	1,035
	West Pembina Mountain Ast. Sta., long. 98 16'.....	1,531
	Long River Ast. Sta., long. 98 55'.....	1,332
	East Turtle Mountain Ast. Sta., long. 99 46'.....	1,800
	Turtle Mountain, highest point on line, long. 100 25'.....	2,534
	West Turtle Mountain Ast. Sta., long. 100 31'.....	2,092
	First Souris River Ast. Sta. (west bank), long. 100 58'.....	1,421
	South Antler Creek, long. 100 15'.....	1,600
	South Antler Ast. Sta., long. 100 28'.....	1,645
	Ast. Sta. (U.S. No. 8), long. 102 26'.....	1,983
	Third Souris River Ast. Sta., long. 103 11'.....	1,981
	Grand Coteau Ast. Sta., long. 103 35'.....	1,500
	Mid Coteau Ast. Sta., long. 104 06'.....	2,141
	Billy Muddy Ast. Sta., long. 104 49'.....	2,409
	Billy Spring Ast. Sta., long. 105 12'.....	2,533
	Poplar River Ast. Sta., long. 105 42'.....	2,829
	Misouri Coteau, highest point on line, long. 106 11'.....	3,200
	West Poplar Ast. Sta., long. 106 13'.....	2,868
	West Poplar River, long. 106 21'.....	2,717
	Summit, long. 106 30'.....	2,967
	Little Rocky Ast. Sta., long. 106 47'.....	2,516
	Frenchman Creek, long. 107 17, water.....	2,571
	Frenchman Creek Ast. Sta., long. 107 24'.....	2,829
	Cottonwood Coulee Ast. Sta., long. 107 46'.....	3,170
	Prairie Pool Ast. Sta., long. 108 13'.....	2,942
	Goose Lake Ast. Sta., long. 108 49'.....	3,030
	East Fork Ast. Sta., long. 109 24'.....	2,770
	West Fork Ast. Sta., long. 109 42'.....	2,494
	Milk River, east bank, long. 110 22'.....	2,940
	Milk River, first crossing, long. 110 23'.....	2,600

INTERNATIONAL BOUNDARY—49TH PARALLEL		Elevation
Milk River, west bank, long. 110° 38'	.....	2,832
Milk River Ast. Sta., long. 110° 44'	.....	2,806
East Butte Ast. Sta., long. 111° 11'	.....	3,900
West Butte Ast. Sta., long. 111° 53'	.....	4,189
Red Creek Ast. Sta., long. 112° 06'	.....	3,550
Highest point between Red Creek and South Branch Milk River, long. 112° 23'	.....	4,115
South branch Milk River Ast. Sta., long. 112° 33'	.....	3,428
North branch Milk River Ast. Sta., long. 112° 58'	.....	4,145
St. Mary River, long. 113° 17'	.....	4,127
East Rocky Mountains Ast. Sta., long. 113° 27'	.....	4,717
Chief Mountain or Waterton Lake, long. 113° 53'	.....	4,186
Akamina Ast. Sta. (summit of Rocky Mountains), long. 114° 03'	.....	9,055 10,503
RED RIVER		
Lake Winnipeg, ice (1876), 709; low water, 708; high water, 713; mean water	.....	710
At Selkirk, general prairie level, 737; extreme high water (1826), 731; (1852),	.....	711
725; ice (1876)		
At Lower Fort Garry (Stone Fort), general prairie level, 751; extreme high	.....	712
water (1826), 745; (1852), 735; (1875), 733; ice (1876)		
At St. Andrew's church, general prairie level 753; extreme high water (1826),	.....	716
752; (1852), 744; (1875), 735; ordinary spring floods, about 731; ice (1876)	.....
At Kilbom's church, general prairie level, 754; extreme high water (1826),	.....	724
761; (1852), 757; (1869), 751; (1875), 743; ice (1876)		
Mouth of Assiniboine River, general prairie level, 757; extreme high water	.....	725
(1826), 762; (1852), 760; (1869), 758; (1875), 743; ice (1876)		
Morris River, near mouth, high water, 766; low water		729
At Emerson, extreme high water, 787; low water		750
ASSINIBOINE RIVER		
At confluence with Red River, general prairie level 757; extreme high water	.....	724
(1826), 762; (1852), 759; (1869), 758; (1875), 743; ice (1876), 725; low water	.....
At Canadian Pacific Ry., Pembina branch, bridge, high water, 743; low	.....	734
water		
At St. James, high water, 754; low water		736
At mouth of Sturgeon Brook, ordinary stage		745
At Headingly, high water, 764; low water		754
At Canadian Pacific Ry., South Western branch, bridge, extreme high water,	.....	753
763; bed, 743; low water		757
At crossing of the principal meridian, water, ordinary stage		765
At St. Francis Xavier church, top of bank, 784; water		779
In lot 230, Baie St. Paul, top of bank, 794; water		
Assiniboine River at centre of lot 142, Baie St. Paul, top of bank, 808; water,	.....	796
ordinary stage		
Long Lake, between Reaburn and Poplar Point stations, occupying a former	.....	798
channel of the Assiniboine, high water, 803; low water		
At Northern Pacific Ry. bridge, five miles east of Portage la Prairie, bed, 814;	.....	842
high water		
Near site of old Hudson's Bay Co. fort, two miles south-west of Portage la	.....
Prairie, extreme high water, May 3-15, 1882, when the river overflowed to	.....	854
Lake Manitoba (rise caused by an ice jam)		
In Sec. 36, Tp. 8, R. X I, approximately		1,000
At mouth of Souris River		1,110
At Canadian Pacific Ry., main line, bridge, near Brandon		1,153
At mouth of Qu'Appelle River, bed		1,262
Near the southern boundary of Sec. 2, Tp. 23, R. XXXIX, W. (2 miles below	.....
mouth of Shell River), high water, 1,363; low water		1,354
At Canadian Pacific Ry., North Western branch, bridge, bed, 1,316; water		1,321
Three miles below Fort Pelly		1,475
At crossing of old location, Canadian Pacific Railway, high water, 1,678;	.....	1,677
ordinary water		
QU'APPELLE RIVER		
At confluence of Qu'Appelle and Assiniboine rivers, bed		1,262
Round Lake (maximum depth, 39 feet)		1,364
Crooked Lake (maximum depth, 36 feet)		1,389

	Elevation
QU'APPELLE RIVER	
Fishing lakes, four in number, with intervening descents of about a half-foot (maximum depth of these lakes, in ascending order, 66, 48, 57 and 54 feet respectively), water.....	1,500
Last Mountain or Long Lake, tributary of the Qu'Appelle.....	1,507
Qu'Appelle River at Canadian Pacific Ry., Craven spur, bridge, low water.....	1,504
Qu'Appelle River at Canadian Pacific Ry., Prince Albert branch, bridge, water.....	1,496
Highpond or Buffalo Lake (about 29 feet deep).....	1,465
Sandhill or Eyebrow Lake (about 29 feet deep).....	1,755
At crossing of E. Bly, Sec. 20, Tps. 23, R. 11.....	1,768
Height of land between Aikton Brook and Qu'Appelle River.....	1,798
PEMBINA RIVER	
At confluence with Red River at Pembina, extreme high water, 788; extreme low water.....	748
At Northern Pacific Railway bridge.....	757
At Neche, N. Dakota, high water, 832; low water.....	813
At the St. Joseph, N. Dakota bridge, water.....	865
At the Walhalla, N. Dakota bridge, high water, 943; low water.....	934
On the International boundary, about.....	1,000
Sec. 21, Tps. 1, R. VIII, bed.....	1,187
At Canadian Pacific Railway, Pembina branch, bridge, 113.8 miles from Winnipeg.....	1,287
Swan Lake, about.....	1,310
Pembina River, Sec. 12, Tps. 3, R. XIII, bed, 1,300; high water.....	1,328
Rock Lake, high water, 1,330; low.....	1,321
Pembina River, Sec. 21, Tps. 3, R. XV, high water, 1341; low water.....	1,329
Lakes Lorne and Louise, expansions of Pembina River, water.....	1,332
Outlet of Pelican Lake, Sec. 32, Tps. 3, R. XV, bed.....	1,337
Grass and Pelican lakes, nearly.....	1,340
Bone Lake in Lang valley.....	1,357
Divide between Souris and Pembina rivers in Lang valley, outlet of the glacial Lake Souris.....	1,364
Pembina River, Sec. 36, Tps. 3, R. XVI, water.....	1,379
At Canadian Pacific Ry., Pembina branch, crossing 169.7 miles west from Winnipeg, bed, 1,695; water.....	1,695
White-water Lake, high water, 1,637; low water.....	1,632
SOURIS RIVER	
At confluence with the Assiniboine.....	1,110
At Canadian Pacific Ry. bridge near Treasbank, water.....	1,115
At Northern Pacific Ry. bridge near Wawanesa, high water.....	1,143
At the 'Elbow,' Sec. 4, Tps. 6, R. XVIII, (west end of Lang valley), about.....	1,265
At Canadian Pacific Ry. bridge near Menteith, bed, 1,352; water.....	1,354
At Canadian Pacific Ry. bridge near Minita, high water (1882), 1,403; low water.....	1,387
First crossing, International boundary, long, 160.57, about.....	1,415
At Towner, N. Dakota.....	1,445
At Minot, N. Dakota.....	1,525
Second crossing, International boundary, long, 161.57, about.....	1,650
Sec. 36, Tps. 1, R. VI, high water, 1,717; low water.....	1,700
At Canadian Pacific Ry., Pasqua branch, bridge at Roche Perce, bed.....	1,707
Moore Mountain Creek, at Can. Pac. Ry. bridge near Alameda station, water.....	1,711
Lang Brook, at Canadian Pacific Ry. bridge near Weyburn station, bed.....	1,836
NELSON RIVER	
*The effect of the tide extends to Gillam or Lower Seal Island, which is about 20 miles from Hudson Bay. Spring tides on the west coast of Hudson Bay are quite uniformly 11 or 12 feet, being greater than on the east coast. They are highest at the mouth of the Nelson River, amounting there to about 15 feet. The average depth of Hudson Bay is about 70 fathoms throughout, deepening to 100 and upwards in approaching the outlet of Hudson Strait, while in the strait itself the soundings along the centre vary from about 100 to upwards of 300 fathoms. The bottom appears to consist almost everywhere of boulder clay and mud.	
Foot of first or lowest Limestone rapid, about 90 miles above its mouth, about.....	50
Foot of Broad rapid, "2 miles wide and full of knobs and little ridges of gneiss," 111 to 116 miles from the mouth, about.....	125
Twelve-foot chute, 43 miles below Gull Lake, about.....	188-200

NELSON RIVER		Elevation
Gull Lake, about		420
Split Lake, about		440
Grand rapid, 'a descent of about 15 feet in the form of steep clutes,' four miles south of Split Lake, about		445-460
Sipi-wesk Lake, about		565
Pipestone and Cross lakes		665
Sea River falls, 17 miles below Norway House, about		700-705
Great and Little Playground lakes		710
Lake Winnipeg		710
SASKATCHEWAN RIVER		
Lake Winnipeg, high water, 713; low water, 708, mean water		710
Foot of Grand rapid		720
Head of Grand rapid		791
The Grand rapid has a total fall in five miles of 71 feet, the most of which is concentrated into two miles in the middle of the distance. In these two miles the river has cut a deep narrow gorge in the horizontal limestone.		
Cross Lake		822
Cedar Lake		828
Confluence of North and South Saskatchewan, estimated		1,250
NORTH SASKATCHEWAN RIVER		
At confluence with South Saskatchewan, estimated		1,250
At Prince Albert		1,360
Mouth of Battle River		1,500
At Fort Pitt		1,680
Mouth of Saddle Creek		1,790
Mouth of Smoky Creek, two miles below Victoria		1,838
Edmonton, top of north bank, 2,177; high water, 2,612; water (Sept., 20, 1890),		1,995
At crossing of old location, Canadian Pacific Railway, long, 114' 01", extreme high water, 2,114; low water		2,094
At 'Big' coal seam, long, 114' 31"		2,274
Mouth of Brazeau River		2,664
At Rocky Mountain House		3,177
At 'Koodenay' plains		4,370
Mouth of Little Fork River		4,590
BATTLE RIVER		
At confluence with North Saskatchewan		1,500
Crossing on old location, Canadian Pacific Railway, high water, 1,518; ordinary water		1,510
Fort Pitt trail crossing, near 4th Meridian		1,718
Buffalo Creek, one mile from Battle River		1,900
'Elbow' in Tps. 29, R. XII		2,150
Dried Meat Lake, a lake-expansion		2,255
Lake-expansion in Tps. 43, R. XXIII		2,515
At Canadian Pacific Railway, Edmonton branch, bridge		2,612
Mouth of Pigeon Lake Creek		2,767
Battle Lake		2,795
SOUTH SASKATCHEWAN RIVER		
At confluence with North Saskatchewan, estimated		1,250
At crossing of old location, Canadian Pacific Railway, high water, 1,528; ordinary water		1,514
Canadian Pacific Railway, Prince Albert branch, crossing, extreme high water, 1,553; bed, 1,524; ordinary water		1,538
At the 'Elbow'		1,683
West boundary, Sec. 18, Tps. 20, R. X		1,736
At mouth of Red Deer River		1,892
At Medicine Hat, high water, 2,154; low water		2,137
Confluence of Bow and Belly rivers		2,212
BOW RIVER		
At confluence with Belly River to form the South Saskatchewan		2,212
West boundary Sec. 30, Tps. 21 R. XXVII, W. of 4th Mer.		3,082

tion	BOW RIVER	Elevation
	Month of Highwood River, nearly.....	3,096
0	North boundary, Sec. 34, Tp. 21, R. XXVIII.....	3,116
0	West boundary, Sec. 7, Tp. 22, R. XXVIII.....	3,162
	Month of Fish Creek, nearly.....	3,250
0	North boundary, Sec. 32, Tp. 22, R. XXIX.....	3,275
5	At Canadian Pacific Railway bridge, three and half miles east of Calgary.....	3,354
5	At highway bridge at Calgary, flood, 3,393; high water, 3,401; low water.....	3,398
0	West boundary, Sec. 19, Tp. 24, R. L., W. of 5th Mer.....	3,445
0	At railway bridge, one and half miles east of Keith, flood, 3,492; high water, 3,489; low water.....	3,487
	West boundary, Sec. 30, Tp. 25, R. III.....	3,602
	At Can. Pac. Ry. bridge at Mifflord, high water, 3,695; low water.....	3,692
0	At Can. Pac. Ry. bridge, one mile east of Kamonaskis, water.....	4,188
0	At exit from Rocky Mountains, nearly.....	4,290
1	Lac des Arcs, lake expansion.....	4,217
	At Can. Pac. Ry. bridge, six miles west of Cammore, high water, 4,352; low water.....	4,349
	Same, seven miles west of Cammore, high water, 4,370; low water.....	4,367
2	Bow River, 6-6 miles west of Cascade.....	4,595
8	South branch Bow River, at Can. Pac. Ry. bridge near Laggan, water.....	5,054
0	Lower Bow Lake.....	5,330
0	Upper Bow Lake.....	6,290
	Summit of Kicking Horse pass.....	5,329
	Summit of Little Fork pass.....	6,175
	RED DEER RIVER	
	At confluence with South Saskatchewan.....	1,892
	Lorne trail crossing.....	2,191
0	Month of Rosebud River.....	2,254
0	Month of Trail Brook.....	2,415
0	Canadian Pacific Railway bridge, high water, 2,781; low water.....	2,773
1	Rocky Mountain House trail crossing in Tps. 35, R. III.....	3,196
1	South boundary, Sec. 3, Tp. 33, R. V., west of 5th Mer., bed, 3,331; water.....	3,332
4	Edge of foothills.....	3,979
7	Stony pack trail crossing.....	4,352
0	At crossing of trail from Cascade River.....	5,500
0	Small lake at source.....	6,690
	ROSEBUD RIVER	
0	At confluence with Red Deer River.....	2,254
	West boundary, Sec. 7, Tp. 28, R. XXVI., W. of 4th Mer., bank, 3,065; water.....	2,992
0	North boundary, Sec. 32, Tp. 28, R. XXVII., bank, 3,043; water.....	3,039
8	West boundary, Sec. 18, Tp. 29, R. XXVII., bank, 3,064; water.....	3,155
0	North boundary, Sec. 31, Tp. 29, R. XXVIII., bank, 3,158; water.....	3,125
3	East boundary, Sec. 24, Tp. 29, R. L., W. of 5th Mer., bank, 3,181; water.....	3,175
5	North boundary, Sec. 35, Tp. 31, R. II., bank, 3,293; water.....	3,289
2	North boundary, Sec. 32, Tp. 32, R. II., water.....	3,334
7	Height-of-land between Rosebud and Red Deer rivers.....	3,375
	LITTLE RED DEER RIVER	
0	At Rocky Mountain House trail crossing.....	3,216
	South boundary, Sec. 1, Tp. 33, R. IV., W. of 5th Mer., bank, 3,363; water.....	3,357
1	South boundary, Sec. 4, Tp. 33, R. IV., bank, 3,436; water.....	3,429
	Edge of foothills, lat. 51° 30', N. long. 114° 41' W.....	4,009
	DOGPOUND BROOK	
	At south boundary, Sec. 4, Tp. 33, R. III., W. of 5th Mer., bank, 3,300; flood, 3,287; ordinary water.....	3,284
2	South boundary, Sec. 3, Tp. 32, R. III., bank, 3,354; water.....	3,342
0	South boundary, Sec. 3, Tp. 31, R. III., bank, 3,473; water.....	3,418
1	South boundary, Sec. 4, Tp. 29, R. II., bank, 3,549; water.....	3,544
2	West boundary, Sec. 18, Tp. 29, R. III., bank, 3,691; water.....	3,684
2	South boundary, Sec. 4, Tp. 29, R. IV., bank, 3,694; water.....	3,624

ELBOW RIVER	Elevation
At confluence with Bow River.....	3,371
Canadian Pacific Railway bridge at Calgary, flood, 3,400; high water, 3,395; low water.....	3,393
West boundary Sec. 30, Tps. 33, R. 1, W. of 5th Mer., water.....	3,504
South-east corner of Sec. 8, Tps. 24, R. 11, flood 3,601; high water, 3,598; low water.....	3,596
West boundary Sec. 18, Tps. 24, R. 11, water.....	3,854
West boundary Sec. 2, Tps. 23, R. V., water.....	4,294
Head of proposed irrigation canal, north-west corner of Sec. 20, Tps. 22, R. V., water.....	4,409
West boundary Sec. 19, Tps. 22, R. V.....	4,539
Mouth of Cañon branch.....	4,725
One mile below mouth of Fisher branch.....	5,188
Fisher branch at forks, four miles from mouth.....	5,465
Summit of pass Elbow River to North branch Sheep River.....	6,567
FISH CREEK	
At confluence with Bow River, nearly.....	3,250
At crossing of line between Tps. 22 and 23, R. 1, west of 5th Mer.; water.....	3,331
At highway bridge near Midnapore, flood, 3,389; high water, 3,386; low water.....	3,384
West boundary Sec. 6, Tps. 23, R. 11.....	3,504
Confluence of North and South branches, Sec. 22, Tps. 22, R. 11, flood, 3,785; high water, 3,783; low water.....	3,782
North branch at west boundary, Sec. 30, Tps. 22, R. 11, bed.....	4,244
South branch at west boundary, Sec. 3, Tps. 22, R. 11, flood, 3,888; high water, 3,886; low water.....	3,884
Same at north-east angle Sec. 11, Tps. 22, R. IV.....	4,104
Same at lower end of irrigation reservoir site, near south boundary Sec. 14, Tps. 22, R. V.....	4,633
SHEEP RIVER	
At confluence with Highwood River, nearly.....	3,222
West boundary Sec. 19, Tps. 20, R. XXVIII.....	3,317
At Canadian Pacific Railway bridge, bed.....	3,404
Highway bridge near Dewdney, flood, 3,442; high water, 3,440; low water.....	3,438
West boundary Sec. 20, Tps. 20, R. 1, west of 5th Mer., water.....	3,628
North boundary Sec. 33, Tps. 20, R. 11.....	3,739
West boundary Sec. 1, Tps. 21, R. 11, water above dam.....	3,443
North branch, head of irrigation ditch, Sec. 5, Tps. 21, R. IV.....	4,350
Summit between North branch and Elbow River.....	6,567
South branch, irrigation reservoir site, Sec. 20, Tps. 19, R. V., water.....	4,570
HIGHWOOD RIVER	
At junction with Bow River, nearly.....	3,696
At north boundary Sec. 5, Tps. 21, R. XXVIII, water.....	3,297
At mouth of Sheep River, nearly.....	3,222
At Canadian Pacific Railway bridge, high water, 3,386; low water.....	3,380
At west boundary Sec. 6, Tps. 18, R. 1.....	3,710
At exit from mountains.....	4,780
At forks near Mist Mountain.....	5,736
Summit of pass, Mist Creek to Elk River.....	7,217
Summit of pass, Storm Creek to Sheep River.....	7,632
South branch at west boundary Sec. 31, Tps. 17, R. 1.....	3,742
Stinson Brook at south boundary, Sec. 4, Tps. 17, R. 11.....	3,988
Tongue-flag Creek, one and half miles from mouth.....	3,383
Same at west boundary Sec. 18, Tps. 19, R. 1, west of 5th Mer.....	3,814
JUMPING POUND BROOK	
At 'forks' in Sec. 8, Tps. 24, R. VI.....	4,570
North branch at north-east corner Sec. 17, Tps. 24, R. VII, W. of 5th Mer.....	5,090
South branch at north boundary Sec. 2, Tps. 24, R. VII, W. of 5th Mer.....	4,950
LITTLE BOW RIVER	
At confluence with Belly River, approximately.....	2,578
West boundary, Sec. 7, Tps. 15, R. XXV., W. of 4th Mer.....	3,100

LITTLE BOW RIVER	Elevation
North boundary, Sec. 31, T _p . 16, R. XXVI., W. of 4th Mer.	3,188
West boundary, Sec. 31, T _p . 17, R. XXVII., W. of 4th Mer.	3,246
West boundary, Sec. 30, T _p . 18, R. XXVIII., W. of 4th Mer.	3,349
MOSQUITO CREEK	
At west boundary, Sec. 7, T _p . 15, R. XXV., half-mile from mouth	3,114
West boundary, Sec. 7, T _p . 16, R. XXVII.	3,289
At Canadian Pacific Ry. bridge, high water, 3,333; low water.	3,331
At north boundary, Sec. 33, T _p . 16, R. XXIX.	3,369
At north boundary, Sec. 31, T _p . 16, R. XXIX.	3,518
Nanton Brook at Can. Pac. Ry. bridge, high water, 3,326; low water.	3,326
WILLOW CREEK	
At west boundary, Sec. 30, T _p . 9, R. XXV., W. of 4th Mer., three miles from mouth.	3,040
At Canadian Pacific Ry. bridge, water (July, 1892).	3,133
At north boundary, Sec. 36, T _p . 12, R. XXVIII.	3,284
At Mounted Police post, Sec. 14, T _p . 13, R. XXVIII.	3,353
OLD MAN RIVER	
At confluence with Belly River, nearly.	2,852
At west boundary, Sec. 18, T _p . 9, R. XXV., near Macdonald.	3,048
East boundary, Sec. 13, T _p . 7, R. XXIX.	3,376
West boundary, Sec. 27, T _p . 7, R. XXX.	3,525
Canadian Pacific Railway, first crossing, water.	3,796
At 1 0 mile west of Livingstone	3,940
At 4 2 miles west of Livingstone	3,940
Canadian Pacific Railway, second crossing, water.	4,172
Same, third crossing.	4,255
Crow Nest Lake	4,109
Island Lake, high water 4,427; low water.	4,120
Summit of railway pass.	4,449
Summit of pass on trail	4,843
Pincher Creek at east boundary, Sec. 12, T _p . 7, R. XXIX.	3,392
Same at south boundary, Sec. 5, T _p . 7, R. XXIX.	3,553
Same at west boundary, Sec. 18, T _p . 7, R. XXX.	3,865
LIVINGSTONE RIVER	
At exit from mountains.	4,437
Mouth of West branch	4,599
Sixteen miles from "Gap"	5,079
Northwest branch, 23 miles from mouth	4,366
Same, above fall	5,512
Same, near source, about one-half mile from base of main range.	6,311
BELLY RIVER	
At confluence with Bow River.	2,212
South boundary, Sec. 6, T _p . 16, R. XXI., W. of 4th Mer.	2,630
South boundary, Sec. 1, T _p . 9, R. XXII.	2,687
Mouth of St. Mary River, nearly.	2,720
West boundary, Sec. 30, T _p . 8, R. XXII.	2,769
Mouth of Old Man River, nearly.	2,852
South boundary of Sec. 4, T _p . 9, R. XXIV.	2,968
Mouth of Waterton River, nearly.	3,147
East boundary of Sec. 25, T _p . 5, R. XXVI.	3,325
South boundary of Sec. 1, T _p . 5, R. XXVII.	3,516
South boundary of Sec. 1, T _p . 3, R. XXVIII.	4,016
International boundary.	4,728
ST. MARY RIVER	
At confluence with Belly River, nearly.	2,720
At Canadian Pacific Railway bridge, water.	2,739
West boundary, Sec. 30, T _p . 6, R. XXII., W. of 4th Mer.	2,963
At north boundary, Sec. 34, T _p . 4, R. XXIV.	3,450

	ST. MARY RIVER	Elevation
	Mouth of Lee Brook, high water, 3,629; low water.....	3,625
	At north boundary, Sec. 31, Tp. 2, R. XXIV.....	3,704
	North boundary, Sec. 25, Tp. 1, R. XXV.....	3,878
	International boundary.....	4,127
	Pine-pound Brook, one mile from mouth, on north boundary, Sec. 30, Tp. 4, R. XXIII.....	3,394
	Lee Brook at north boundary, Sec. 31, Tp. 2, R. XXV, bank 3,789; water.....	3,782
	WATERTON RIVER	
	At confluence with Belly River, nearly.....	3,147
	West boundary of Sec. 18, Tp. 6, R. XXV, W. of 4th Mer.....	3,247
	West boundary of Sec. 30, Tp. 3, R. XXVIII.....	4,038
	South boundary of Sec. 1, Tp. 3, R. XXIX.....	4,115
	Small lake, Secs. 5 and 6, Tp. 2, R. XXIX.....	4,149
	Waterton Lake.....	4,186
	POTHOLE BROOK	
	North boundary, Sec. 34, Tp. 4, R. XXII, W. of 4th Mer.....	3,304
	North boundary, Sec. 34, Tp. 3, R. XXII.....	3,649
	South boundary, Sec. 6, Tp. 3, R. XXII.....	4,283
	MILK RIVER	
	International boundary, long. 110° 25'.....	2,600
	At Pakowki coulee.....	2,816
	At Verdigris coulee.....	3,065
	Alberta Railway and Coal Co's Ry. bridge.....	3,401
	At McLeod and Benton trail crossing.....	3,546
	Near forks, 20 miles west of last.....	3,720
	West boundary, Sec. 30, Tp. 1, R. XXII, W. of 4th Mer.....	4,053
	International boundary.....	4,145

IRRIGATION SURVEY BENCH MARKS

NOTE.—At the township corners, and at points where streams, railways or prominent features are intersected by the lines run, permanent bench marks are established by driving an iron bar, one and one-half inches in diameter and five feet long, into the ground within ten inches of its top and marking these bars with steel dies. Permanent bench marks are also established in all cities, towns or villages in the district and at point where fixed rock and other permanent natural features are met with.

The reference plane of these surveys, being based on an assumed elevation of 3,387 feet for the railway bridge over the Elbow River at Calgary, is 24 feet above mean tide. To reduce to mean tide at New York a uniform addition of 24 feet has been made to the published altitudes.

No.	ASSINIBOIA	Above Irrig. Surv. datum	Above mean tide at N. Y.
158	N. E. corner of S. E. | Sec. 19, Tp. 17, R. XIII, W. of 2nd Mer.....	2,123 4	2,147 4
160	" " S. E. | Sec. 32, Tp. 17, R. XIII " ".....	2,041 3	2,065 3
161	" " N. E. | Sec. 14, Tp. 18, R. XIII " ".....	1,901 9	1,925 9
164	Top of iron bar, N. E. corner, Sec. 36, Tp. 16, R. VIII, W. of 2nd Mer.....	1,958 2	1,982 2
165	Rail, Can. Pac. Ry. over E. end of trestle 233, over Summerberry Brook, in S. E. | Sec. 12, Tp. 17, R. VIII, W. of 2nd Mer.....	1,908 1	1,932 1
276	35 chains W. of N. E. corner, Sec. 2, Tp. 10, R. XXIV, W. of 3rd Mer.....	3,573 0	3,597 0
274	51 chains N. of N. E. corner, Tp. 8, R. XXIII, W. of 3rd Mer.....	3,767 9	3,791 9
269	N. E. corner Tp. 7, R. XXIII, W. of 3rd Mer.....	3,776 6	3,790 6
273	In N. W. | Sec. 21, Tp. 6, R. XXIV, W. of 3rd Mer, on bank of Frenchman Brook.....	3,118 8	3,142 8
270	45 92 chains W. of N. E. corner, Tp. 7, R. XXV, W. of 3rd Mer.....	3,882 6	3,906 6
268	11 chains E. of S. E. corner, Sec. 4, Tp. 7, R. XXV, W. of 3rd Mer.....	3,532 8	3,556 8
118	Maple Creek, corner stone of Dixon Bros' store, N. W. corner of building.....	2,472 8	2,496 8
154	N. E. corner Tp. 9, R. XXV W. of 3rd Mer.....	3,519 0	3,543 0
152	" " 9, R. XXVI " ".....	3,154 8	3,178 8
150	" " 11, R. XXVII " ".....	2,513 0	2,537 0
156	" " 9, R. XXVII " ".....	2,904 2	2,928 2
267	" " 4, R. XXVI " ".....	3,054 9	3,078 9

ALTIMETRES IN CANADA

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IRRIGATION SURVEY BENCH MARKS

No.	ASSINIBOLA	Above Irrig. Surv. datum	Above mean tide at N.Y.
206	N.E. corner, Sec. 34, Tp. 4, R. XXVII, W. of 3rd Mer.	3,074.1	3,068.1
271	22 chains W. of N.E. corner, Sec. 54, Tp. 7, R. XXVII, W. of 3rd Mer.	4,126.5	4,150.5
122	N.E. corner Tp. 11, R. XXVIII, W. of 3rd Mer.	2,523.7	2,547.7
146	" " " 9, R. XXIX " " "	2,550.0	2,574.0
124	" " " 11, R. XXIX " " "	2,926.6	2,950.6
126	" " " 12, R. XXIX " " "	2,410.9	2,434.9
148	" " " 9, R. XXVIII " " "	2,878.4	2,902.4
272	N.E. corner, Sec. 34, Tp. 7, R. XXIX, W. of 3rd Mer.	4,381.5	4,405.5
265	45 chains E. of N.E. corner, Sec. 34, Tp. 4, R. XXX, W. of 3rd Mer.	3,349.6	3,373.6
128	N.E. corner Tp. 11, R. I, W. of 4th Mer.	2,419.8	2,443.8
144	" " " 9, R. I " " "	3,088.4	3,112.4
139	" " " 10, R. I " " "	2,610.5	2,634.5
263	45 chains E. of N.E. corner, Sec. 34, Tp. 4, R. II, W. of 4th Mer.	3,552.9	3,576.9
262	22 65 chains S. of N.E. corner, Sec. 13, Tp. 5, R. III, W. of 4th Mer.	3,712.3	3,736.3
261	N.E. corner, Tp. 7, R. II, W. of 4th Mer.	4,060.6	4,024.6
259	8 26 chains S. of N.E. corner, Sec. 13, Tp. 8, R. III, W. of 4th Mer.	3,533.3	3,577.3
132	N.E. corner, Tp. 11, R. III, W. of 4th Mer.	2,464.8	2,488.8
142	" " " 8, R. III " " "	3,981.0	4,005.0
140	" " " 9, 1/2, III " " "	3,252.2	3,276.2
134	" " " 11, R. IV " " "	2,554.7	2,578.7
136	" " " 11, R. V " " "	2,464.9	2,488.9
138	" " " 11, R. VI " " "	2,345.0	2,369.0
ALBERTA			
65	N.E. corner, Sec. 36, Tp. 4, R. XVIII W. of 4th Mer.	3,179.8	3,203.8
63	" " " 36, " 4, R. XIX " " "	3,393.6	3,385.6
61	" " " 36, " 4, R. XX " " "	3,411.4	3,435.4
82	" " " 36, " 3, R. XXI " " "	4,187.5	4,211.5
80	" " " 36, " 5, R. XXI " " "	3,187.1	3,211.1
78	" " " 36, " 7, R. XXI " " "	2,996.8	3,020.8
281	N.E. corner, Tp. 7, R. XVII, W. of 4th Mer.	2,961.7	2,985.7
280	" " " 7, R. XVI " " "	3,623.8	3,607.8
279	" " " 7, R. XIX " " "	3,634.2	3,658.2
278	" " " 9, R. XVIII " " "	2,668.9	2,692.9
277	" " " 9, R. XX " " "	2,784.0	2,808.0
71	N.E. corner, Sec. 35, Tp. 8, R. XXII, W. of 4th Mer.	2,675.8	2,700.8
75	Lethbridge, N.E. corner of court-house, Sec. 31, Tp. 8, R. XXI, W. 4th Mer.	2,958.8	2,982.8
73	Quarter sec. corner, on N. boundary of Sec. 23, Tp. 8, R. XXI, W. 4 Mer.	2,978.4	3,002.4
76	N.E. corner, Sec. 33, Tp. 9, R. XXI, W. 4 Mer.	2,907.1	2,931.1
84	" " " 33, " 3, R. XXII " " "	3,693.3	3,717.3
93	On 1 sec. mound, E. bdy., Sec. 2, Tp. 4, R. XXII, W. 4th Mer.	3,588.4	3,612.4
93	On S. boundary of Tp. (215 ft. E. of N. branch of Mills R.) Tp. 1, R. XXIII, W. 4th Mer.	4,121.4	4,155.4
55	S.E. corner, Tp. 1, R. XXIII, W. 4th Mer.	4,595.1	4,619.1
57	N.E. " " Sec. 36, Tp. 4, R. XXIII, W. 4th Mer.	3,407.8	3,431.8
59	N.E. " " Sec. 34, Tp. 4, R. XXIV, " " "	3,600.0	3,624.0
67	41 00 chains N. of N.E. corner, Sec. 24, Tp. 6, R. XXIII, W. 4th Mer.	2,998.9	3,022.9
69	40 00 chains S. " " " 25, Tp. 8, R. XXIII, W. 4th Mer.	2,765.2	2,789.2
77	Half sec. corner, on N. boundary of Sec. 35, Tp. 8, R. XXIV, W. 4th Mer.	2,956.2	2,980.2
88	N.E. corner, Tp. 1, R. XXIV, W. of 4th Mer.	4,068.7	4,092.7
89	" " " Tp. 2, R. XXIV " " "	3,924.5	3,948.5
90	" " " Tp. 1, R. XXV " " "	3,957.8	3,981.8
91	On S.E. 1/4 Sec. 36, Tp. 1, R. XXV, W. of 4th Mer. at intake of St. Mary Irrigation Canal.	3,853.8	3,877.8
92	S.E. corner, Sec. 17, Tp. 2, R. XXIV, W. of 4th Mer.	3,223.7	3,247.7
51	S.E. corner " 6, " 1, R. XXV " " "	4,126.5	4,150.5
49	25 00 chains S. of N.E. corner, Sec. 36, Tp. 2, R. XXVI, W. of 4th Mer.	3,793.1	3,817.1
86	N.E. corner, Tp. 3, R. XXIV, W. of 4th Mer.	3,678.3	3,702.3
116	Three P. N. of centre of pats marking trail survey, at W. end of highway bridge over St. Mary River in Sec. 11, Tp. 3, R. XXV, W. of 4th Mer.	3,615.9	3,639.9
41	N.E. corner, Sec. 36, Tp. 5, R. XXVI, W. of 4th Mer.	3,388.4	3,392.4
43	" " " 36, Tp. 4, R. XXVII " " "	3,495.7	3,519.7
45	S.E. corner, Sec. 1, Tp. 3, R. XXVIII, W. of 4th Mer.	4,138.1	4,162.1
47	" " " 1, " 3, R. XXIX " " "	4,352.8	4,376.8
200	21 chains N. of N.E. corner, Tp. 1, R. XXVIII, W. of 4th Mer., on shore of lake.	4,558.3	4,582.3
201	N.E. corner, Tp. 1, R. XIX, W. of 4th Mer.	4,870.7	4,894.7
292	E. side of trail, between Waterton lakes, in Sec. 25, Tp. 1, R. XXX, W. of 4th Mer.	4,179.3	4,203.3

IRRIGATION SURVEY BENCH MARKS
 GEOLOGICAL SURVEY OF CANADA

No.	ALBERTA	Triang. datum	Above mean tide at N.Y.
79	N.E. corner, Sec. 12, T. 9 R. XXVI, W. of 4th Mer.	4,000.2	3,641.2
80	N.E. corner, Sec. 33, T. 8 R. XXVI, W. of 4th Mer.	3,109.6	3,174.2
81	" " " " " " " "	3,107.8	3,161.8
82	Station 22, Michol and Foucher Creek trail, Sec. 7, T. 7 R. XXVIII, W. of 4th Mer.	3,133.2	3,103.2
83	Station 22, Michol and Foucher Creek trail, Sec. 7, T. 7 R. XXVIII, W. of 4th Mer.	3,133.2	3,103.2
84	Station 22, Michol and Foucher Creek trail, Sec. 12, T. 7 R. XXIX, W. of 4th Mer.	3,579.7	3,379.7
85	" " " " " " " "	3,579.7	3,379.7
86	N.E. corner, T. 2, R. I, W. of 5th Mer.	3,253.9	3,273.9
87	N.E. corner, Sec. 30, T. 6, R. XXV, W. of 4th Mer.	3,359.4	3,383.4
88	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,581.9	3,579.9
89	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
90	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
91	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
92	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
93	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
94	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
95	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
96	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
97	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
98	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
99	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
100	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8
101	Quarter section on E. 1/4, Sec. 12, T. 6, R. I, W. of 5th Mer.	3,458.8	3,453.8

* Reversed by workman when repairing bridge.

102	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
103	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
104	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
105	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
106	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
107	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
108	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
109	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
110	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
111	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
112	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
113	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
114	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
115	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
116	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
117	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
118	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
119	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
120	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
121	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
122	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
123	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
124	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
125	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
126	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
127	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
128	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
129	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
130	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
131	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
132	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
133	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
134	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
135	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
136	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
137	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
138	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
139	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
140	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
141	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
142	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
143	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
144	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
145	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
146	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
147	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
148	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
149	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4
150	N.E. corner, Sec. 10, T. 29 R. XXIX, W. of 4th Mer.	3,273.4	3,253.4

IRRIGATION SURVEY BENCH MARKS

above n tide N.Y.	No	ALBERTA	Above Irrig. Surv. datum	Above mean tide at N.Y.
1681.2	169	On S.E. $\frac{1}{2}$ Sec. 13, Tp. 24, R. I, W. of 5th Mer. at intake of Bow River canal.		
1214.5			3,264.4	3,388.4
1357.8	169	Sec. 14, Tp. 24, R. I, W. of 5th Mer. at Can. Pac. Ry. bridge over Elbow River.	3,379.1	3,463.1
1635.5				
379.7	0	Calgary, rail level Can. Pac. Ry. on line with E. side of most easterly frame building of N.W.M.P. barracks.	3,387.0	3,411.0
283.4	1	Calgary, N. W. corner of post office.	3,401.0	3,425.0
777.9	2	" " S. E. corner of court-house.	3,405.0	3,430.0
643.2	3	Calgary, S. side of chimney of waterworks pump house.	3,410.0	3,434.0
878.9	3	N. E. corner, Sec. 36 Tp. 24, R. II, W. of 5th Mer	3,497.6	3,631.0
655.8	4	Nose Hill, sandstone rock, 29 chs. E. of N. W. cor. Sec. 31, Tp. 24, R. L. W. of 5th Mer.		
754.1	5	52.17 chains S. of N. E. corner, Sec. 25, Tp. 23, R. III, W. of 5th Mer.	3,341.4	3,365.4
191.8	6	10 " " " " " " " " " " " " " " " " " " "	3,439.0	3,514.0
251.2	6	10 " " " " " " " " " " " " " " " " " " "	3,458.4	3,492.4
180.1	8	N. E. corner, Sec. 36, Tp. 24, R. III, W. of 5th Mer.	3,781.1	3,808.1
229.8	11	3 ft. N. of $\frac{1}{2}$ sec. corner on E. bdy. Sec. 7, Tp. 24, R. II, W. of 5th Mer.	3,777.4	3,901.4
262.7	18	N. E. corner, Sec. 34, Tp. 24, R. I, W. of 5th Mer.	3,465.4	3,429.4
163.6	14	1 chain N. W. of $\frac{1}{2}$ sec. cor. on E. boundary, Sec. 13, Tp. 24, R. IV, W. of 5th Mer.		
394.9	10	N. E. corner, Sec. 36, Tp. 24, R. IV, W. of 5th Mer.	3,373.4	3,307.4
	12	35.27 chains W. of N. E. corner, Sec. 31, Tp. 24, R. IV, W. of 5th Mer.	3,359.8	3,383.8
341.2	68	$\frac{1}{2}$ Sec. mound on E. boundary, Sec. 25, Tp. 23, R. IV, W. of 5th Mer.	3,962.5	3,986.5
339.1	65	N. E. corner, Sec. 36, Tp. 26, R. IV, W. of 5th Mer.	3,642.3	3,666.3
198.1	157	" " " " " " " " " " " " " " " " " " "	4,214.4	4,238.4
395.2	165	" " " " " " " " " " " " " " " " " " "	3,638.8	3,662.8
376.6	153	" " " " " " " " " " " " " " " " " " "	3,939.8	3,963.8
427.5	54	" " " " " " " " " " " " " " " " " " "	3,113.2	3,137.2
968.6	151	" " " " " " " " " " " " " " " " " " "	3,166.0	3,190.0
718.6	56	About 4 chs. E. of N.E. corner sec. 33, Tp. 28, R. XXVIII, W. of 4th Mer.	3,217.7	3,241.7
756.7	52	N. boundary, Sec. 35, Tp. 28, R. I, West of 5th Mer. at crossing of Edmonton branch, Can. Pac. Ry.	3,562.6	3,586.6
291.8	58	N. E. corner, Sec. 36, Tp. 26, R. II, W. of 5th Mer.	3,871.2	3,895.2
	58	" " " " " " " " " " " " " " " " " " "	3,744.6	3,768.6
895.2	62	Ledge of sandstone, about 6 chs. W. of N.E. corner, Tp. 28, R. III, W. of 5th Mer.		
122.6	61	N.E. corner, Sec. 28, R. IV, W. of 5th Mer.	3,608.5	3,632.5
564.7	64	N.E. corner, Sec. 28, R. IV, W. of 5th Mer.	3,921.2	3,945.2
328.4	61	Quarter sec. mound on N. boundary, Sec. 33, Tp. 28, R. IV, W. of 5th Mer.	3,834.0	3,858.0
257.7	149	N. E. corner Tp. 24, R. XXIX, W. of 4th Mer.	3,139.8	3,114.8
	147	" " " " " " " " " " " " " " " " " " "	3,247.1	3,271.1
87.5	145	" " " " " " " " " " " " " " " " " " "	3,247.6	3,271.6
	143	" " " " " " " " " " " " " " " " " " "	3,227.0	3,251.0
114.0	129	" " " " " " " " " " " " " " " " " " "	3,342.4	3,366.4
25.7	141	" " " " " " " " " " " " " " " " " " "	3,321.6	3,345.6
53.8	119	" " " " " " " " " " " " " " " " " " "	3,515.8	3,539.8
622.4	123	" " " " " " " " " " " " " " " " " " "	3,336.3	3,360.3
41.1	127	" " " " " " " " " " " " " " " " " " "	3,565.8	3,589.8
	133	" " " " " " " " " " " " " " " " " " "	3,409.8	3,424.8
32.0	139	Quarter sec. mound, E. bdy. Sec. 16, Tp. 33, R. III, W. of 5th Mer.	3,532.2	3,556.2
94.6	117	N. E. corner, Tp. 24, R. IV, W. of 5th Mer.	3,828.5	3,852.5
80.2	121	" " " " " " " " " " " " " " " " " " "	3,632.9	3,656.9
28.6	125	" " " " " " " " " " " " " " " " " " "	3,584.4	3,608.4
	131	At W.M., 3 chs. E. of N.E. corner, Tp. 32, R. IV, W. of 5th Mer.	3,516.2	3,540.2
89.0	135	N.E. corner, Tp. 32, R. V, W. of 5th Mer.	3,655.0	3,679.0
12.1	137	Quarter sec. mound, N.E. Sec. 34, Tp. 32, R. V, W. of 5th Mer.	3,386.0	3,360.0
		IRRIGATION SURVEYS—SOUTH SASKATCHEWAN RIVER DIVERSION (proposed)		
		N.E. corner, Tp. 17, R. XI, W. of 3rd Mer.	2,296.5	2,320.5
		E. bdy. Sec. 23 Tp. 18, R. XI, at Swift Current to 'Elbow' trail crossing.	2,146.4	2,170.4
		S. E. corner, Tp. 19, R. XI, W. of 3rd Mer.	2,286.6	2,310.6
		N.E.	2,276.1	2,300.1
		South Saskatchewan River at crossing of line between R. X. and XI, W. of 3rd Mer.	1,712.0	1,736.0
		N. E. corner, Tp. 19, R. IX, W. of 3rd Mer.	2,484.5	2,508.5
		South Saskatchewan River at mouth of Aiktow Brook. *The 'Elbow'	1,659.5	1,683.5
		Height of land between Aiktow Brook and Qu'Appelle River.	1,773.9	1,797.9
		Qu'Appelle River at crossing of E. bdy., Sec. 39, Tp. 23, R. II, W. of 3rd Mer.	1,743.8	1,767.8

* Effaced by action of weather. † Removed by railway employees.

UNGAVA AND LABRADOR COAST	Lat.	Long.	Elevation
Cape St. Charles	52 13	55 38	654
Sophia Harbour Hill	52 25	55 43	588
Granby Island	52 33	55 43	941
Ship Harbour Island	52 39	55 45	721
Cape St. Michael Hills	52 40	55 49	895
Square Island	52 46	55 51	497
Cape Bluff	52 50	55 49	719
Stony Island	53 00	55 47	670
Hawke Island	53 05	55 46	825
Partridge Head	53 10	55 45	551
Mealy Mountains, north shore Sandwich Bay	53 42	57 15	1,482
Cape Porcupine, square hill, thirteen miles to west of	53 55	57 20	1,000
George Island	54 15	57 20	750
Cape Harrison	54 55	57 56	1,965
Ragged Island	55 00	58 13	640
Double Island, peak nine miles S. of	54 51	58 22	2,280
Double Island, peak eleven miles S. W. of	54 42	58 32	2,420
Monkey Hill (Altgaysivik)	55 00	59 14	2,170
Kaipokok Hill	55 09	59 26	895
Spracklins (Kikkertaksok) Island	56 08	60 45	465
Tunungayatak Island	56 08	61 06	809
Ford Harbour Hills	56 28	61 24	1,000
Pownal or Paul Island	56 32	61 32	1,195
Newark (Aulatsivik) Island	56 55	61 15	2,733
Kiglapait Mountain	57 07	61 25	2,000
Table Hill (Okkak)	57 45	61 40	2,000
Bishops Mitre	57 50	61 55	3,000
White Bear Island (Nanuktut)	57 55	61 40	1,690
Finger Hill	58 00	62 10	2,500
Watchman Island	58 15	62 05	700
The Domes	58 27	62 40	2,000
Uvuik Mountain	58 30	62 35	1,000
Kikkertaksok (Big Island)	58 33	62 42	700
Blow-me-down, Mount	58 48	63 05	3,000
Nachvak Mountain	59 00	63 50	3,400
Nachvak Inlet	59 05	64 00	
* The mountains on either side, immediately overlooking it rise to 1,500 to 3,400 feet, but, a few miles inland, especially on the south side they appear to attain an altitude of			5,000-6,000
Razorback, Mount	59 12	63 25	3,000
Nanuktok (White Bear Cape)	59 20	63 25	1,000
Kangardilarsuk, four peaks	59 35	63 50	5,000-6,000
Bache, Mount	59 50	64 05	2,150
Chidley, Cape; summit behind	60 30	64 30	1,500
* After passing the Strait of Belle-Ile the coast continues high and rugged the elevation of the land near the coast may be said to increase gradually in going northward, until 70 miles of Cape Chidley, where it attains a height of about 5,000 feet. Beyond this it again diminishes to the cape (Chidley), where it is			1,500
Cape Wolstenholme Range	62 30	77 00	2,000
Button Island	60 45	64 20	1,500
Mansfield Island, 'at one place four or five miles inland, rises to an elevation of about	62 00	80 00	300
Miechikaman Lake	54 00	64 00	1,650
Niechikun Lake	53 05	70 45	1,750
Kaniapiskan Lake	53 50	69 20	1,850
Inomani Lake	55 00	69 20	1,940
Clearwater Lake	56 15	75 15	790
Lower Seal Lakes	56 30	74 30	860
Height of land between Nastapsoka and Larch rivers	56 42	73 53	850
Natsukami Lake	57 13	72 20	520
Confluence of Larch and Kemogamistuk rivers	57 21	71 15	325
Confluence of Koksok and Larch rivers	57 38	69 45	125
Menibek Lakes	54 00	66 40	1,750
Petitsikapau Lake	53 50	65 30	1,650
Sandrigt Lake	54 40	66 30	1,675
Jacope Lake	53 40	64 30	1,630
Winokapan Lake	53 10	63 00	750
Hamilton River at foot of Grand falls	53 33	64 25	900
Hamilton River at head of Grand falls	53 33	64 25	1,292
East Main River at Sandy portage	52 00	73 25	1,400
Patamisk Lake	52 53	70 45	1,800
Allan, Mount; Ottawa Island	59 49	80 02	1,800

vation

KEEWATIN		Lat.	Long.	Elevation
654	Attawapiskat or Lansdowne Lake	52 15	88 00	960
588	Attawapiskat River, at mouth of Mississaugaigan River	53 14	85 35	500
361	Albany River, at mouth of Kenogami River	51 00	84 32	300
721	St. Joseph, Lake	51 00	91 00	1,172
895	Soul, Lac	50 30	92 20	1,140
497	English River at mouth of Red Lake River	50 40	93 53	1,105
719	Sandbar Lake	50 35	93 45	1,035
670	Wilcox, Lake	50 30	93 45	1,030
825	Bluffy Lake	50 47	93 00	1,230
551	Fly Lake	51 00	92 50	1,236
1,482	Lower Clearwater Lake	51 12	92 49	1,329
1,000	Shaboomene Lake	51 20	92 45	1,330
750	Snake Lake	51 09	93 06	1,270
1,065	Woman Lake	51 10	92 52	1,315
640	Little Shallow Lake	50 48	93 22	1,106
2,280	Shallow Lake	50 45	93 25	1,105
2,428	Trout Lake	51 10	93 20	1,285
2,170	Little Trout Lake	51 02	93 15	1,291
895	Red-rock Lake	50 55	93 40	1,146
465	Ing Lake	50 52	93 55	1,296
800	Red Lake	51 05	93 55	1,146
1,000	Medicine Stone Lake, Lower	50 54	94 05	1,200
2,733	Medicine Stone Lake, Upper	50 51	94 03	1,210
2,600	Long-legged Lake	50 45	94 07	1,175
2,600	Little Vermilion Lake	51 10	93 45	1,173
3,000	Portage, Whitefish-spawning River to White River, summit	51 22	94 02	1,285
1,600	Pekangium Lake	51 48	94 00	1,037
2,500	Sturgeon Lake	51 46	93 45	1,051
700	Hair Lake	51 50	93 08	1,178
2,600	Goose Lake	51 48	93 02	1,106
1,000	Fairy Lake	51 42	93 00	1,251
700	Upper Goose Lake	51 43	92 54	1,562
3,000	Nelson Lake	53 40	94 00	900
3,400	Net-setting Lake	55 30	99 00	735
	Beaver-dam Lake	55 00	98 40	685
	Pipestone Lake	55 35	98 35	710
	Paint Lake	55 28	98 00	560
3,000	Wintering Lake	55 25	97 45	530
1,000	Landing Lake	55 15	97 30	580
806,000	Yathkyvel Lake	62 45	97 45	300
2,150	Kanumuriak Lake	63 00	95 20	290
1,500	Lady Marjorie Lake	64 10	99 50	320
	Aberdeen Lake	64 20	99 30	130
	Schultz Lake	64 45	98 00	115
	Baker Lake	64 10	96 00	30
	Minto, Mount	63 50	81 00	1,050
1,500	Churchill River, at mouth of Little Churchill	57 28	95 05	705
2,600	Churchill River, twenty-eight miles above mouth of Little Churchill	57 10	95 40	878
1,500	Waskowiakka Lake	56 30	96 40	936

MANITOBA

	Elevation
Manitoba, Lake—	
High water	814.5
Low water	808.7
Mean water	810
Total length 119 miles; divided into two parts by the "Narrows"; southern portion is 63 miles long; has a maximum width of 20 miles; shore line of 160 miles and total area 1,039 square miles; the northern portion is 56 miles long; has a length of shore line of 375 miles; area, 672 square miles, and maximum depth 21½ feet. Average depth of lake, 16 feet.	
Winnipegosis, Lake	828
* Its greatest length is 122 miles; greatest width 17½ miles; shore line of 570 miles; an area, exclusive of islands, of 2,000 square miles, and greatest ascertained depth, 38 feet.	
Dauphin, Lake	860
* It has a greatest length of 26 miles; greatest width, 11 miles; shore line, 64 miles; area 196 square miles, and greatest ascertained depth, 12 feet.	
Swan Lake	855
* It has a greatest length of 20 miles; greatest width, 8 miles; shore line, 70 miles, and an area of 121 square miles.	

MANITOBA		Elevation
Waterhen Lake.....		822
* It is 24 miles long, with a width of 5 miles, a shore line of 60 miles and an area of 44 square miles; depth in the centre 6 feet.		
Duck Mountain.....		2,600
Porcupine Mountain.....		2,500
Riding Mountain.....		2,000
Meadow portage, summit, 93 feet above Cedar Lake.....		921
Mossy portage, summit, 10 feet above Lake Winnipegosis.....		838
Assessippi P. O.....		1,450
Sheltonmouth P. O.—		
Bottom of valley.....		1,385
Top of bank.....		735
Lake St. Martin.....		2,200
St. John Butte, highest point of Turtle Mountain in Manitoba.....		1,400-1,500
Pembina Mountain, crest of escarpment.....		1,500-1,600
Tiger Hills.....		1,640
Big Tiger Hill, about.....		1,550-1,600
Brandon Hills.....		1,550-1,600

ASSINIBOIA	Lat.	Long.	Elevation
Pipestone Lake.....	50 20	102 56	2,071
Chaplin or Old Wives Lake.....	50 20	106 20	2,189
Johnston Lake.....	50 00	106 00	2,189
Many Island Lake.....	50 07	110 05	2,304
Big Stick Lake.....	50 16	109 20	2,278
Crane Lake.....	50 05	109 05	2,444
Cypress Lake.....	49 28	109 30	3,264
Twelve-mile Lake.....	49 28	106 15	2,479
Devil Lake.....	51 03	107 07	1,911
Wild Horse or de Marron Lake.....	49 01	110 10	2,852
Elk-water Lake.....	49 40	110 18	4,044
Dry Lake.....	49 19	109 10	3,031
Green Lake.....	49 28	110 01	3,557
Antelope Lake.....	50 17	108 25	2,328
Rush Lake.....	50 25	107 21	2,293
Hav Lake.....	49 39	100 25	3,754
Pakowki, Lake.....	49 20	111 00	2,735
Fort Walsh.....	49 35	109 53	3,624
Wood Mountain post.....	49 19	106 22	2,875
Wood Mountain—			
East summit.....	49 16	106 25	3,347
West summit.....	49 13	107 04	3,371
Pinto Horse Butte.....	49 23	107 29	3,331
White Mud River Plateau.....	49 29	108 20	3,428
Old man-on-his-back Plateau.....	49 12	109 18	3,465
Cypress Hills—			
Summit.....	49 38	109 35	4,243
*The Gap.....	49 36	109 41	3,745
Summit.....	49 37	110 15	4,790
*Head of Mountain.....	49 37	110 23	4,273
Outer Rainy Hill.....	50 27	111 18	2,700
Missouri Coteau—			
Near south end Chaplin Lake.....	50 20	106 10	2,385
At Secretan.....	50 28	106 25	2,283
Vermilion Hills.....	50 42	106 55	2,253
North of South Saskatchewan River.....	50 47	107 26	2,347

SASKATCHEWAN			
Thunder Hill (Geological Survey).....	52 05	101 38	1,900
(Can. Pac. Ry.).....			1,967
Cross Lake.....	53 10	99 35	822
Cedar Lake.....	53 15	100 00	828
Red Deer Lake.....	52 35	101 20	875
* Is 13 miles long, 9½ miles wide, has a shore line of 31 miles and an area of 100 sq. miles.			
Pasquia Hills, about.....	53 00	103 00	2,000
Sounding Lake.....	52 10	110 30	2,165
Gicowberry Lake.....	52 07	110 15	2,256

ation	SASKATCHEWAN	Lat.	Long.	Elevation
	Neutral Hills, 'The Nose'.....	52 10	111 16	2,995
	Blackfoot Hills.....	53 14	110 12	2,425
	Pine Island Lake.....	54 00	102 15	870
90	Stungson Lake.....	54 10	101 55	870
90	Beaver Lake.....	54 30	102 15	1,075
90	Goose Lake.....	54 25	101 20	905
921	Cranberry Lake, Upper.....	54 05	101 15	935
921	Cranberry Lake, Lower.....	54 10	101 10	934
150	Athabapuskow Lake.....	54 35	101 40	935
	Rosel Lake.....	54 35	100 25	880
335	File Lake.....	54 55	100 20	920
565	Sandy Lake.....	51 50	98 50	700
795	Net-setting Lake.....	55 00	98 40	685
900	Wekusko or Sweet Herb Lake.....	54 45	99 50	800
1,500	Height of land between Goose Lake and Kississing River.....	54 57	101 32	1,030
1,600	Moose Lake.....	54 45	100 15	846
630	Clearwater Lake.....	54 00	101 00	860
	ALBERTA			
	Eagle Lake.....	51 00	113 20	3,000
2,071	Dried Meat Lake.....	52 50	112 45	2,254
2,180	Egg Lake.....	53 50	112 15	2,045
2,304	Beau Lake.....	52 57	113 36	2,648
2,278	Beaver Lake.....	53 30	112 30	2,173
2,444	Birch Lake.....	53 20	111 37	2,107
3,204	Wavy Lake.....	53 22	112 04	2,800
2,479	Hastings Lake.....	53 26	112 55	2,580
1,911	Cooking Lake.....	53 28	113 00	2,400
2,832	Buffalo Lake.....	52 30	112 55	2,536
3,031	Dowling Lake.....	51 45	112 00	2,563
3,507	Pigeon Lake.....	53 00	114 00	2,824
2,328	Battle Lake.....	52 52	114 10	2,794
2,293	Quill Lakes.....	52 04	113 10	2,869
3,754	Little Fish Lake.....	51 25	112 13	2,915
2,735	Gull Lake.....	52 30	114 00	2,905
3,024	Devils Pine Lake.....	52 06	113 28	2,910
2,875	Buck Lake.....	53 00	114 45	2,970
3,347	Egg Lake.....	51 30	112 07	2,994
3,371	Lac la Biche.....	54 35	112 00	3,050
3,331	Watershed between N. Saskatchewan and Athabasca rivers.....	54 12	113 27	2,985
3,428	Wintering Hills.....	51 14	112 50	3,250
3,465	Rocky Buttes.....	50 33	112 40	3,100
4,243	Porepung Hills.....	50 00	114 00	3,000
3,745	Buffalo Hills.....	50 35	113 13	3,857
4,790	Milk River Ridge.....	49 15	112 30	4,500
4,273	Black Spring Ridge.....	50 00	112 55	3,750
2,700	Hand Hills.....	51 30	112 17	3,175
2,385	Flagstaff Hill.....	52 32	111 33	2,500
2,283	Beaver Hills.....	53 30	113 00	2,525
2,236	Knee Hills.....	51 40	113 28	3,100
2,347	Surree Butte.....	51 49	112 59	3,050
2,985	Peace Hills.....	53 00	113 25	3,625
2,265	Medicine Lodge Hills.....	52 28	114 13	3,325
2,347	Nose Hill.....	51 08	114 10	3,925
1,900	Big Hill.....	51 10	114 27	4,275
1,907	Black Butte.....	53 42	112 00	2,190
822	Snake Valley marsh.....	50 50	112 53	2,872
828	Chimney Hill.....	51 06	114 52	3,287
875	Cowans Hill.....	51 00	113 54	3,425
2,000	Sarose Butte.....	51 02	114 32	4,476
2,165	Moose Mountain.....	50 56	114 50	7,970
2,256	Prairie Creek Hill.....	50 53	114 49	7,224
	South Twin Peak.....	50 49	114 57	8,144
	Old Forget-me-not Peak.....	50 46	114 48	7,624
	Forget-me-not Mountain.....	50 45	114 47	7,577
	Three Point Mountain.....	50 43	114 50	7,959
	Topnot Hill.....	50 53	114 38	5,624
	Robinson Hill.....	50 54	114 31	4,809
	Barwell Hill.....	50 47	114 39	6,249

ALBERTA		Lat.	Long.	Elevation
Allsmoke Hill.....	50 45	114 41	6,894	
Bert Hill.....	50 51	114 32	5,077	
Nigger John Hill.....	50 42	114 27	5,187	
Gleason Hill.....	50 42	114 35	5,919	
Hoffmann Mountain.....	50 36	114 41	6,572	
Junction Mountain.....	50 35	114 43	6,729	
Ware Head.....	50 40	114 41	6,584	
Whaleback Mountain.....	50 34	114 31	6,275	
Dutchman Hill.....	50 29	114 25	4,964	
Okotoks Hill.....	50 37	114 23	5,638	
Forks Hill.....	50 29	114 38	5,764	
Fish Butte.....	50 55	114 31	4,609	
Mesa Hill.....	50 47	114 33	5,519	
South Kootanie Pass, summit (watershed range).....	49 07	114 08	7,100	
North Kootanie Pass, summit.....	49 25	114 26	6,750	
Crow Nest Pass, railway summit.....	49 38	114 42	4,449	
Crow Nest Pass, trail summit.....	49 33	114 44	4,845	
Beehive Mountain.....	50 35	114 44	8,500	
Sheep Mountain.....	49 02	113 51	7,520	
Waterton Lake.....	49 10	113 53	4,186	
Crow Nest Mountain.....	49 40	114 36	7,800	
North Fork Pass.....	49 55	114 43	6,773	
Turtle Mountain.....	49 34	114 25	7,000	
Kananaskis Pass.....	50 37	115 12	6,800	
Goulds Dome.....	49 56	114 39	10,125	
Elk Mountains.....	50 20	114 45	9,000	
Livingstone Range.....	50 14	114 30	7,000-8,000	
Kananaskis Lake.....	50 38	115 08	5,460	
Mist Mountain.....	50 34	114 53	10,030	
McDoggall, Mount.....	50 56	115 04	8,500	
Rae, Mount.....	50 40	115 00	10,150	
Asiniboins, Mount.....	50 50	115 42	11,800	
Kananaskis Range.....	50 45	115 15	8000-9000*	
Wind Mountain.....	50 29	115 14	10,100	
Tyrrell, Mount.....	51 42	115 51	8,846	
White, Mount.....	51 09	115 51	9,131	
Prow Mountain.....	51 08	115 54	8,683	
Douglas, Mount.....	51 32	115 50	9,090	
Macon, Mount.....	51 31	116 01	8,697	
Devils Head Mountain.....	51 21	115 16	9,265	
Minnewanka or Devils Lake.....	51 15	115 25	4,800	
Sulphur Mountain.....	51 07	115 32	8,690	
Peechee, Mount.....	51 13	115 23	9,615	
Inglismaldie, Mount.....	51 15	115 25	9,715	
Rundle, Mount.....	51 09	115 30	9,685	
Fairholme Mountains, north peak.....	51 09	115 29	9,305	
Fairholme Mountains, south.....	51 09	115 19	9,295	
Saddle Peak.....	51 14	115 14	9,278	
A. 2.....	51 00	115 08	8,180	
Goat Range, summit.....	51 01	115 27	9,290	
Three Sisters, east peak.....	51 01	115 20	8,840	
Three Sisters, west peak.....	51 01	115 21	9,734	
Grotto Mountain.....	51 05	115 16	8,870	
Pigeon Mountain.....	51 02	115 12	7,845	
End Mountain.....	51 12	115 08	7,836	
Casene's Mountain.....	51 14	115 34	9,890	
Stoney Squaw Mountain.....	51 12	115 34	6,160	
Aylmer, Mount.....	51 20	115 26	10,365	
A. 4.....	51 16	115 29	7,570	
Eolith, Mount.....	51 12	115 39	8,370	
Tunnel Mountain.....	51 11	115 33	5,540	
C. 6.....	51 20	115 37	7,988	
K. 6.....	51 21	115 31	8,648	
B. 6.....	51 21	115 33	9,590	
L. 6.....	51 20	115 33	8,100	
F. 6.....	51 24	115 39	7,850	
Palliser Range, summit.....	51 28	115 37	9,930	
P. 6.....	51 28	115 39	9,125	
Sawback Range, summit.....	51 22	115 49	10,000	

* A uniform addition of 30 feet has been made to the published altitudes of peaks in the vicinity of the Canadian Pacific Railway, to reduce them to mean tide.

Location	Lat.	Long.	Elevation	
ALBERTA				
A. 8.	51 18	115 30	9,020	
G. 8.	51 21	115 45	8,928	
Vermilion Range, summit.	51 28	115 47	9,855	
Panther Mountain.	51 31	115 40	9,595	
D. 7.	51 29	115 43	8,405	
Vermilion Pass.	51 13	116 03	5,264	
Fatigue Mountain.	51 02	115 41	9,697	
Simpson Pass, summit.	51 01	115 43	6,650	
H. 1.	51 11	115 48	7,980	
Pilot Mountain.	51 11	115 49	9,689	
Hole-in-the-wall Mountain.	51 12	115 42	9,184	
Bougeau Mountain.	51 08	115 46	9,517	
Castle Mountain.	51 18	115 56	9,576	
K. 1.	51 19	115 54	9,389	
Copper Mountain.	51 13	115 53	9,199	
Bonnet Peak.			10,230	
Storm Peak.	51 12	116 00	10,350	
Ball, Mount.	51 09	116 00	10,930	
Hector, Mount.	51 24	116 15	11,225	
Victoria, Mount.	51 22	116 18	11,159	
Hungabee, Mount.	51 20	116 16	11,365	
Deitaform, Mount.	51 18	116 15	11,915	
Lefroy, Mount.	51 21	116 16	11,250	
Popes Peak.	51 25	116 17	9,625	
Whyte, Mount.	51 24	116 17	10,365	
Temple, Mount.	51 21	116 12	11,637	
Abcdeen, Mount.	51 23	116 15	10,180	
St. Piran, Mount.	51 25	116 15	8,610	
Louise, Lake.	51 25	116 13	5,975	
Agnes Lake.	51 25	116 14	6,850	
Mirror Lake.	51 25	116 14	6,530	
Niles, Mount.	51 20	116 25	9,510	
Daly, Mount.	51 31	116 33	10,255	
Balfour, Mount.	51 34	116 28	10,330	
Fairview Mountain.	51 24	116 15	8,875	
Saddle Mountain.	51 23	116 12	7,990	
Sheel, Mount.	51 23	116 13	10,080	
Gordon, Mount.	51 26	116 31	11,130	
Hulser, Mount.	51 22	116 17	11,430	
Beehive Mountain.	51 25	116 14	7,580	
Bow Lake, Lower.	51 33	116 22	5,550	
Bow Lake, Upper.	51 38	116 25	6,290	
Bow or Little Fork Pass	} Can. Pac. Ry. } Collie. } Wilcox		6,775	
Collie, Mount.		51 41	116 27	6,800
Collie, Mount.				6,700
Thompson, Mount.	51 35	116 35	10,700	
Freshfield Mount.	51 39	116 23	10,790	
Forties Mount.	51 40	116 56	12,000	
Forties Mount.	51 48	116 56	13,100	
Howse Pass	} Wilcox. } Collie.		5,300	
Howse Pass			4,800	
Sarbach, Mount.	(Can. Pac. Ry.)	51 46	116 45	4,500
Pipestone Pass.		51 52	116 47	11,100
Murchison, Mount.		51 43	116 16	8,300
Murchison, Mount.		51 48	116 37	13,500
Wilson, Mount.		51 58	116 45	10,500
Howse Peak.		51 49	116 49	10,900
Survey Peak.		51 55	116 50	8,630
Lyell, Mount.		51 56	117 05	12,000
Sullivan Peak.		51 55	116 58	7,858
Bryce, Mount.		51 58	117 20	13,000
Pyramid Mountain.		51 51	116 42	10,800
Saskatchewan, Mount.		52 03	117 05	12,000
Thompson Pass.		52 00	117 20	6,800
Dunn, Mount.		52 06	117 19	11,850
Coleman, Mount.		52 06	116 55	11,000
Athalbesca, Mount.		52 07	117 11	11,900
Pinto Lake.		52 10	116 50	5,870
Brazee Lake.		52 28	117 08	6,300
Douglas Peak.		52 08	117 21	11,700
Wilcox Peak.		52 12	117 14	10,600
Columbia, Mount, about.		52 05	117 32	14,000
"The Twins"		52 08	117 28	11,800

ALBERTA	Lat.	Long.	Elevation
Stutfield Peak.....	52 12	117 28	11,460
Woolley Peak.....	52 17	117 32	11,700
Alberta, Mount.....	52 14	117 36	13,500
Duncan Peak.....	52 16	117 31	11,500
Wilcox Pass.....	52 09	117 10	7,000
Hooker, Mount.....	52 26	118 18	10,505
Brown, Mount.....	52 27	118 22	9,050
Athabasca Pass (Can. Pac. Ry.	52 27	118 20	5,710
.....(Coleman).....			6,025
Pyramid Mountain.....	52 57	118 09	9,000
Geikie, Mount.....	52 43	118 22	11,000
Suette, Roche.....	53 08	118 07	8,100
Jacques, Roche.....	53 04	117 58	8,500
Miette, Roche.....	53 10	117 54	8,500
Bullrush Mountain.....	53 18	117 55	7,200
Southesk Cairn.....	52 44	117 00	8,050
Dalhousie, Mount.....	52 39	116 45	8,000
ATHABASCA			
Kissinging or Cold Lake.....	55 15	101 15	900
Burntwood Lakes.....	55 25	100 20	885
Frog portage, about.....	55 25	103 30	1,150
Black Bear Island Lake.....	55 40	105 45	1,200
Knee Lake.....	55 50	107 19	1,250
He à la Croix Lake.....	55 45	107 50	1,330
Buffalo Lake.....	56 00	109 00	1,330
Clear Lake.....	56 00	108 20	1,330
La Loche Lake.....	56 30	109 35	1,575
Methy portage, summit.....	56 40	109 55	1,725
Methy portage, "Cockscorn".....	56 40	109 55	1,745
Clearwater River, at end of Methy portage.....	56 42	109 57	1,775
Foster Lakes.....	56 35	105 30	1,680
Cree Lake.....	57 30	107 00	1,530
Reindeer Lake.....	57 30	102 30	1,150
Wollaston Lake, (on height of land between Hudson Bay and Arctic Ocean).....	58 15	103 30	1,300
Black Lake.....	59 15	105 30	1,000
Lesser Slave Lake.....	55 25	115 30	1,850
* It is 61 miles long, has an average width of 8 miles, a maximum width of 12 miles, an area of 484 square miles and very shallow, seldom exceeding 10 feet in depth, at low water.			
Lesser Slave plateau, south of east end of lake.....	55 30	114 45	3,000
Watershed between Peace River and Lesser Slave Lake.....	55 52	116 28	2,430
Whitefish Lake.....	55 50	115 30	2,075
Leon Lake.....	56 33	115 30	1,660
Trout Lake.....	56 35	114 40	2,130
Clare Lake.....	58 40	115 00	750
Long Lake.....	56 44	114 42	2,250
Kelsey Lake.....	56 46	114 35	2,330
Pelican Lakes.....	55 48	113 25	1,910
Sandy Lake.....	55 50	113 30	1,910
Buffalo Lake.....	57 35	112 55	2,000
Wabiskaw Lake, Upper.....	56 05	114 05	1,720
Wabiskaw Lake, Lower.....	55 57	113 55	1,705
Martin Mountain.....	55 30	114 45	2,900
Buffalo Head Hills.....	57 30	115 00	2,500
Birch Mountain, north end.....	58 00	112 00	2,100
Birch Mountain, south end.....	57 15	112 30	2,300
Trout Mountain.....	56 45	114 70	2,350
Isquois Lake.....	55 27	117 05	1,830
Kenosis or Sturgeon Lake.....	55 07	117 50	2,000
Athabasca Lake.....	59 00	110 00	690
Athabasca River—			
Fort McMurray.....	56 42	111 30	840
Head of Grand rapids.....	56 18	112 40	1,200
Athabasca Landing.....	54 42	113 16	1,550
Mouth of Lesser Slave River.....	55 11	114 04	1,700
Old Fort Assiniboine.....	54 19	115 23	2,000
Ten miles below mouth of Baptiste River.....	54 06	116 50	2,700
Beals Lake, high water.....	53 18	117 50	3,201

	ATHABASCA	Lat.	Long.	Elevation
	Athabasca River—			
00	Jasper Lake.....	53 05	118 10	3,376
00	Mouth of Whirlpool River.....	52 45	118 07	3,630
	Peace River—			
00	Confluence with Slave River.....	59 00	111 30	685
05	Mouth of Red River.....	58 27	114 42	870
50	Mouth of Leon River.....	58 25	115 20	920
10	Fort Vermilion.....	58 24	115 58	950
25	Mouth of Battle River.....	57 19	117 03	1,060
00	Peace River Landing.....	56 15	117 15	1,225
00	Dumvegan.....	55 56	118 37	1,305
00	*Fort St. John.....	56 11	120 53	1,462
00	*Hudsons Hope.....	56 02	121 58	1,522
00	*Crest house, west end of Rocky Mountain portage.....	56 02	122 15	1,792
00	*Confluence of Findlay and Parsnip rivers.....	56 00	123 51	2,000
50	Smoky River.....			
00	Mouth of Wapiti River.....	55 09	118 30	1,024
00	Site of Jarvis cache.....	54 23	118 38	3,100
00	Clear Hills.....	56 40	119 00	2,000-3,500
	MACKENZIE			
00	White Partridge or Kasla Lake.....	60 30	102 25	1,270
85	Ennadai Lake.....	60 50	101 30	1,100
50	Selwyn Lake.....	60 10	104 30	1,340
00	Whodliah or Daly Lake.....	60 30	104 00	1,290
50	Isodasant Lake.....	63 00	101 30	500
30	Wharton Lake.....	64 40	100 20	560
30	Thielow or Arklebenik River, about seven miles below 'forks'.....	63 45	103 55	777
30	Hill, left hand side of Thielow or Arklebenik River, about seven miles below 'forks,' about.....			
65	Aldott Lake.....	63 45	103 55	1,400
65	Height of land between Thielow or Arklebenik River and Clinton Colden Lake.....	63 30	106 20	1,320
75	Artillery Lake.....	63 40	107 00	1,394
00	Clark Mountain.....	63 15	107 30	1,252
50	Great Slave Lake.....	64 28	121 11	3,000-4,000
50	Clear Slave Lake.....	62 00	114 00	290
00	Great Bear Lake.....	65 00	120 00	291
00	Bear Rock.....	64 56	125 40	1,400
00	Rock-by-the-river-side.....	63 21	123 38	1,500
	YUKON			
	Seattle, Mount.....	60 05	139 12	10,000
00	Hulbard, Mount.....			16,490
75	Const Survey.....	60 21	139 02	12,064
00	(Nat. Geog. Surv.....			11,500
00	Vancouver, Mt.....			15,617
30	Const Survey.....	60 21	139 42	15,699
00	(Int. Bdy. Com., Canada.....			13,700
50	Cook, Mount.....	60 10	139 50	15,758
20	Const Survey.....			14,900
00	(Int. Bdy. Com., Canada.....			13,918
00	Angusta, Mount.....	60 18	140 28	12,500
00	Const Survey.....			13,890
00	(Int. Bdy. Com., Canada.....			13,771
00	Newton, Mount.....	60 20	140 53	19,339
00	Const Survey.....			12,672
00	Legan, Mount.....	60 35	140 21	17,851
00	La Perouse, (1786).....			17,851
00	Malaspina, (1791).....			17,851
00	Russian chart, (1847).....			16,938
00	Tebenkof, (1847).....			14,970
00	Admiralty chart, (1872).....			19,240
00	Const Survey, (1868).....			16,350
00	St. Elias, Mount.....	60 18	140 56	18,100
00	C. & G. and Nat. Geog. Surv., (1890).....			18,610
00	C. & G. and Nat. Geog. Surv., (1891).....			17,978
00	Const Survey, (1892).....			18,000
00	Int. Bdy. Com., Canada (1895).....			18,024
00	Duc d'Albranzi, (1897).....			2,161
00	Const Survey chart, (1900).....			2,160
00	Tagish Lake.....	60 10	134 15	2,160
00	Marsh, Lake.....	60 20	134 15	2,160
00	Labeuge, Lake.....	61 15	135 05	2,160
00	Kusawa Lake.....	60 30	135 45	2,363
00	* In British Columbia.			

	Lat.	Long.	Elevation
YUKON			
Teslin Lake.....	60 15	132 45	2,400
Jubilee Mountain.....	60 05	134 04	6,380
White Mount.....	60 18	133 54	5,000
Hayes Peak.....	60 18	133 12	5,050
Little Atlin Lake.....	60 15	133 55	2,270
Atlin Lake.....	59 45	133 45	2,200
Lansdowne Mount.....	60 21	134 28	6,140
Lorne Mount.....	60 27	134 38	6,400
Miehie Mountain.....	60 30	134 01	5,540
Golden Horn Mountain.....	60 33	134 58	5,610
Haeckel Hill.....	60 47	135 18	3,200
Ingram Mount.....	60 45	135 29	8,000
McClintock Peak.....	60 48	133 47	6,000
Laurier Mount.....	60 05	134 48	5,265
Miners Range.....	61 00	135 15	4,000-4,500
Sifton Mountain.....	61 15	136 00	7,500
Hutchi village.....	61 21	136 30	2,600
The Three Guardsmen.....	61 24	137 15	7,300
Senenof Hills.....	61 55	134 50	3,500-4,000
Dawson Range.....	62 25	137 00	7,000
Lewes and Pelly rivers, confluence of.....	62 47	137 17	1,555
Yukon River at Dawson.....	64 02	139 25	1,200
Macmillan Mountains.....	62 55	135 50	3,500-4,000
Glenlyon Mountains.....	62 30	134 15	5,100-5,300
Pelly Mountains.....	62 40	132 00	7,000
Pelly River, at west end of Liard River portage.....	60 47	131 02	2,965
Pelly and Liard portage, summit.....	61 47	130 40	3,150
Finlayson Lake.....	61 42	130 30	3,165
Frances Lake.....	61 20	129 30	2,577
Campbell Mountains.....	61 20	129 46	5,500
Simpson Tower.....	61 25	129 22	5,230
Logan Peak.....	61 53	129 04	9,000
Billings Mount.....	61 15	128 50	7,950
Tent Peak.....	61 51	128 40	7,800
Simpson Mountains.....	60 45	129 30	6,500
FRANKLIN			
Bathurst Island—			
Stokes Range.....	76 20	101 40	1,300
Wilnot Mount.....	76 30	103 00	800
Jeffries Range.....	76 10	99 29	1,500
Bylot Island.....	73 00	79 00	2,200
Cockburn Island—			
Sillen Island.....	71 00	71 30	3,000
Bence Mountains.....	71 00	72 00	4,000-5,000
Eglinton Fjord, peak on north shore.....	70 55	70 50	1,200
Ellesmere Land, Prince of Wales Mountains.....	78 30	78 30	2,000
Range twenty-five miles N.W. of head of Hayes Sound.....	79 15	80 30	3,000-4,000
Grant Land—			
Peak behind Cape Union.....	82 15	62 20	2,200
Pullen Mount.....	82 30	62 20	1,700
Cheops Mount.....	82 35	65 30	4,800
Grant Mount.....	82 28	65 15	4,900
Rawlinson Mount.....	82 40	68 30	5,000
Freve Mount.....	82 40	69 30	5,000
Dunroth Mount.....	82 22	67 15	2,500
Gladstone Mount.....	82 54	67 00	2,500
Foster Mount.....	82 52	66 45	2,000
Giffard Mount.....	82 58	68 15	2,300
Hornby Mount.....	83 00	70 00	2,000
Cooper Key Mountains.....	83 06	70 30	1,800
Challenge Mountains.....	82 22	81 00	2,000
Grimell Land—			
Neville Mount.....	81 10	70 30	3,800
Arthur Mount.....	81 13	74 30	4,500
Britannia Mount.....	76 55	96 30	1,500
Pope Mount.....	80 30	76 20	5,000
North Devon—			
Truter Mountains.....	75 10	81 00	2,000
Blanche Mountain.....	76 40	91 30	2,000
North Kent Island.....	76 40	90 00	2,000
Prince of Wales Land, Mount Clarendon.....	73 20	100 30	500

BRITISH COLUMBIA		Lat.	Long.	Elevation
Rocky Mountains				
Kirby and Spence, Mount.....	49 02	111 15		3,290
Macdonald Range.....	49 10	114 45		8,000
The Steeples.....	49 33	115 26		8,340
Becheve Mountain.....	50 35	114 44		8,500
Assiniboine, Mount.....	50 56	115 42		11,860
Hughes Range.....	49 45	115 40		6,000
Selkirk, Mount.....	50 35	115 59		7,190
Upper Columbia or Windermere Lake	50 20	115 55		2,700
Verandrye Mountain.....	50 59	116 02		9,234
Brisco Range.....	56 45	116 15		7,500-8,000
Beaverfoot Range.....	51 10	116 40		8,000-9,000
Waputtuk Mountains.....	51 30	116 20		10,000
South Kootanie Pass—				
Summit, watershed range.....	49 07	114 08		7,100
West summit.....	48 56	114 42		6,280
North Kootanie Pass—				
Summit, watershed range.....	49 23	114 26		6,750
West summit.....	49 20	114 55		6,850
Crow Nest Pass—				
Railway summit.....	49 38	114 42		4,419
Trail summit, watershed range.....	49 33	114 44		4,845
West summit, on trail.....	49 29	114 54		5,500
North Fork Pass.....	49 55	114 43		6,773
Simpson Pass.....	51 02	115 41		6,659
Vernilion Pass.....	51 13	116 03		5,284
White Man's Pass.....	50 47	115 30		6,807
Kananaskis Pass.....	50 37	115 12		6,300
Sinclair Pass.....	50 41	116 00		4,662
Carmarvon, Mount.....	51 21	116 39		8,876
Moberly Peak.....	51 22	116 55		7,780
Chancellor Peak.....	51 12	116 30		10,780
Vaux, Mount.....	51 15	116 40		10,741
Russell, Mount.....	51 22	116 40		8,880
O'Hara Lake.....	51 21	116 19		6,480
Waxy Peaks.....	51 22	116 19		8,230
Victoria, Mount.....	51 22	116 18		11,150
Hungabee, Mount.....	51 20	116 16		11,395
Deltaform, Mount.....	51 18	116 15		10,945
Lefroy, Mount.....	51 21	116 16		11,280
Whyte, Mount.....	51 24	116 17		10,365
Niles, Mount.....	51 20	116 25		9,510
Baby, Mount.....	51 31	116 23		10,255
Balour, Mount.....	51 34	116 23		10,000
Hunter, Mount.....	51 17	116 42		8,095
Stephen, Mount.....	51 24	116 26		10,523
Cathedral Mountain.....	51 24	116 23		10,284
Sherbrooke Lake.....	51 27	116 23		8,310
Huber, Mount.....	51 22	116 17		11,406
Owen, Mount.....	51 19	116 25		10,600
Dennis, Mount.....	50 22	116 28		7,971
Field, Mount.....	51 26	116 28		8,554
Wapta, Mount.....	51 27	116 29		9,900
Collie, Mount.....	51 35	116 35		10,700
Thompson, Mount.....	51 37	116 29		10,700
Munro, Mount.....	51 36	116 48		12,000
Fredfield, Mount.....	51 40	116 50		12,000
Baker Pass.....	51 45	116 43		6,700
Howse Pass.....	51 49	116 40		10,300
Howse Pass (Wilcox.....				5,300
Howse Pass (Collie.....	51 46	116 45		4,800
Bush Peak.....	51 52	117 12		4,500
Goat Peak.....	51 52	117 25		13,500
Lyell, Mount.....	51 56	117 05		8,200
Bryce, Mount.....	51 58	117 20		12,000
Thompson Pass.....	52 00	117 20		6,800
Done Mountain.....	52 06	117 19		11,800
Columbia, Mount, abnita.....	52 03	117 32		11,000
Fortress Lake (Wilcox.....				4,175
Fortress Lake (Coleman.....	52 23	117 55		4,320

BRITISH COLUMBIA	Lat.	Long.	Elevation
Rocky Mountains			
Fortress Lake, peak near west end	52 20	118 02	11,450
Hooker, Mount.	52 25	118 18	10,505
Brown, Mount.	52 27	118 22	9,050
Athabasca Pass (Can. Pac. Ry)	52 27	118 20	6,025
(Coleman)			5,710
Geikie, Mount.	52 43	118 22	11,000
Robson Peak (highest known peak in Canadian Rockies)	53 06	119 10	13,700
Mica Mountain	52 53	119 30	9,600
Thompson, Mount.	52 42	119 08	8,750
Selkirk Mountains			
Fisher Mountain.	49 39	115 29	9,245
Baker, Mount.	49 28	115 37	7,100
Yak Mountain	49 12	115 43	7,000
Pyramid, Mountain	49 44	116 15	8,500
Hungry Peak	49 45	116 32	8,600
Copper Mountain	49 49	116 31	8,360
Davie Mountain.	49 29	116 42	7,817
Hooker, Mount.	49 38	116 39	8,570
Crawford, Mount.	49 40	116 40	8,435
Bluebell Mountain.	49 45	116 47	7,135
Loeki, Mount.	49 50	116 45	9,120
Nelson, Mount.	50 22	116 15	10,000
Duncan or Upper Kootanic Lakes.	50 20	117 00	1,800
Sugar Loaf, Mount.	51 01	117 23	9,250*
Purity, Mount.	51 05	117 29	9,060
Lardo or Trout Lake	50 30	117 30	2,400
Deville, Mount.	51 08	117 25	9,003
Perley Rock (Toplam)	51 14	117 24	7,133
			8,297
Sir Donald, Mount.	51 15	117 25	10,645
Bonney, Mount.	51 11	117 32	10,652
Ross Peak	51 14	117 31	7,016
Eagle Peak	51 16	117 25	9,537
Cheops, Mount.	51 17	117 33	8,980
Macedonall, Mount.	51 18	117 34	9,140
Tupper, Mount.	51 15	117 31	7,775
Abbott, Mount.	51 20	117 29	9,963
Hermit Mountain.	51 20	117 33	9,710
Rogers, Mount.	51 20	117 32	10,724
Swiss, Peak.	51 21	117 32	10,692
Marion Lake.	51 15	117 31	5,800
Afton Mountain.	51 14	117 31	8,690
Rampart Mountain	51 13	117 33	8,550
Dome Mountain	51 12	117 29	9,040
Castor, Mount.	51 12	117 29	9,100
Pollys, Mount.	51 12	117 29	9,130
Fox, Mount.	51 12	117 29	9,150
Duncan, Mount.	51 09	117 25	10,390
Dawson, Mount.	51 07	117 30	9,400
Green, Mount.	51 08	117 25	10,840
Uto Peak	51 14	117 35	10,000
Avalanche, Mount.	51 16	117 25	9,600
Macon, Mount.	51 17	117 27	9,350
Mackenzie, Mount.	51 12	117 24	10,000
Tilley, Mount.	50 57	118 06	7,300
Cartier, Mount.	50 57	118 05	7,612
	50 54	118 03	8,412
West Kootenay			
Reco Mountain	50 00	117 11	8,560
Blue Ridge	50 04	117 07	6,020

*As all barometric altitudes of peaks in the vicinity of Glacier are based on an assumed elevation, for Glacier station, of 4,122 feet (corrected height, 4,003), a deduction of 29 feet has been made from the published determinations, to reduce to mean tide.

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Kootenay				
Paddy Peak.....	49 59	117 08	8,162	
Silver Ridge.....	49 57	117 14	7,026	
Kokanee Mountain.....	49 45	117 08	7,400	
Yuill, Mount.....	49 40	117 06	7,300	
Balfour Knob.....	49 40	117 00	7,406	
Grohman Mountain.....	49 37	117 19	7,550	
Nelson, Mount.....	49 32	117 18	7,800	
Slocan Ridge.....	49 32	117 33	6,650	
Irvine, Mount.....	49 33	116 57	7,765	
Lassen, Mount.....	49 30	117 02	7,804	
Brewer Mountain.....	49 29	116 53	7,817	
Ymir Mountain.....	49 28	117 07	7,920	
Elise Mountain.....	49 21	117 11	6,900	
McGregor Mountain.....	49 21	116 51	7,320	
Burnett Mountain.....	49 17	116 52	7,500	
Stepple Mountain.....	49 15	116 48	7,580	
Ryker Mountain.....	49 02	116 44	6,520	
North Star Mountain.....	49 02	116 52	6,510	
Irene Mountain.....	49 03	116 57	6,750	
Lost Mountain.....	49 03	117 16	7,082	
Wall Mountain.....	49 11	116 59	7,680	
Toni Mountain.....	49 25	117 19	7,334	
Red Mountain (Nelson).....	49 24	117 20	7,250	
Connor Mountain.....	49 24	117 09	7,650	
Copps Mountain.....	49 24	117 07	7,400	
Siwash Mountain.....	49 21	117 15	7,700	
Domain Mountain.....	49 21	117 20	7,430	
Grassy Mountain.....	49 18	117 29	6,970	
Aaron Hill.....	49 17	117 32	5,100	
Heinze Mountain.....	49 09	117 40	4,950	
Beaver Mountain.....	49 08	117 26	6,400	
Erie Mountain.....	49 13	117 22	5,198	
Whatsan lakes.....	50 00	118 05	2,100	
Scalping Knife Mountain.....	50 05	117 50	6,915	
Silver Mountain.....	50 04	117 11	7,705	
Ingersoll Mountain.....	50 03	117 59	7,240	
Naumulten Mountain.....	49 52	117 57	8,010	
Vingolf Mountain.....	50 02	117 33	8,415	
Njord, Mount.....	49 59	117 34	8,815	
Denver, Mount.....	49 58	117 30	8,815	
Hela, Mount.....	49 54	117 35	8,915	
Deners, Mount.....	49 53	117 49	8,630	
Grey Wolf Mountain.....	49 58	117 41	7,440	
Urd, Mount.....	49 52	117 42	8,640	
Bor, Mount.....	49 50	117 44	9,073	
Woden, Mount.....	49 50	117 47	8,871	
Gimli, Mount.....	49 46	117 38	9,215	
Hilda, Mount.....	49 48	117 55	8,630	
Gladheim Mountain.....	49 47	117 37	9,275	
Rinda Mountain.....	49 44	117 43	8,275	
Freya, Mount.....	49 42	117 49	8,382	
Heimdal Mountain.....	49 41	117 46	8,215	
Mista Mount.....	49 41	117 50	8,255	
Sangrila, Mount.....	49 39	117 59	8,270	
Airy Mountain.....	49 36	117 38	7,020	
Stanley Mountain.....	49 32	117 50	8,540	
Norns Mountains, east.....	49 30	117 42	7,995	
Norns Mountains, west.....	49 30	117 42	7,995	
Deer Park Mountain.....	49 29	118 03	3,930	
Ladybird Mountain.....	49 25	117 48	7,567	
Pine Ridge.....	49 24	117 55	5,900	
Scintel Mountain.....	49 22	117 36	5,470	
Shield's Mountain.....	49 21	118 00	6,495	
Gem Hill.....	49 18	117 55	5,490	
Robson Ridge, east end.....	49 19	117 44	5,230	
Robson Ridge, west end.....	49 19	117 53	5,230	
Mackie Mountain.....	49 15	117 48	7,230	
Red Mountain (Rossland).....	49 05	117 48	5,150	
Champion lakes.....	49 11	117 37	3,550	

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Kootenay				
Solway Hill	49 12	117 47	4,900	
Talus Hill	49 06	117 47	3,070	
Lookout Mountain	49 04	117 42	4,420	
Tanuarack Mountain	49 02	117 48	4,300	
Lake Mountain	49 02	117 44	5,410	
O. K. Mountain	49 04	117 51	5,000	
Spokane Mountain	49 05	117 51	6,405	
Granite Mountain	49 06	117 51	6,965	
Kirkup Mountain	49 07	117 51	8,505	
Malde Mountain	49 01	117 48	3,795	
Violin Lake	40 02	117 42	3,000	
Lillooet Lake	50 15	122 40	620	
Chilukweyuk Mountain	49 05	121 30	6,570	
Princeton (Allison)	49 27	120 28	1,885	
Allison or South Pass	49 15	120 47	5,808	
Strapel Mountain	49 22	120 05	2,700	
Okanagan Mountain	49 45	119 30	3,740	
Osoyoos Lake	49 00	119 27	860	
Kermeos	49 12	119 48	1,390	
Shuswap District				
Monasher Mountain	50 08	118 27	5,906	
Silver Hills, north	50 22	118 20	3,900	
Silver Hills, south	50 19	118 42	5,000	
Park Mountains, highest	50 32	118 37	7,450	
Mabel Mountain	50 41	118 34	7,660	
Joss Mountain	50 49	118 27	7,900	
Griffin Mountain	50 54	118 40	6,850	
Hunters Range, highest	50 46	118 50	7,400	
Ida, Mount	50 38	119 18	5,200	
Bastion Mountains, highest	50 50	119 09	5,360	
Ta-haet-kun Mountain	50 16	119 44	6,630	
Bouleau Mountain	50 19	119 41	6,000	
Monte Hills, highest	50 27	119 57	2,580	
Aberdeen Mountain	50 21	119 04	6,100	
Trinity Hills, highest	50 29	118 53	4,750	
Camel Hump Mountain	50 14	118 50	4,180	
Es-te-kwa-lan Mountain	50 31	119 30	5,200	
Martin Mountain	50 36	119 45	5,190	
Bobbie Burns Mountain	50 26	118 50	5,000	
Tsai-kou Mountain	50 55	119 43	5,000	
Tol, Mount	50 53	119 55	7,230	
Queest Mountain, north	51 03	118 48	6,682	
Queest Mountain, south	51 02	118 48	7,081	
Begbie, Mount	50 53	118 17	8,842	
Ma-pherson, Mount	50 56	118 18	7,893	
Sandy Mountain	51 05	119 13	7,020	
Lichee Mountain	51 09	119 17	6,850	
Adams Plateau, summit	51 03	119 34	6,000	
Puk-sai-kun Mountain	51 12	119 14	7,300	
Nisconlith Lake	50 47	119 46	1,620	
Shuswap Lake—	50 00	119 15		
Extreme high water			1,152	
Low water			1,136	
Adams Lake	51 10	119 35	1,357	
East Barriere Lake	51 15	119 47	2,250	
Swan Lake	50 19	119 15	1,285	
Little Shuswap Lake, high water	50 19	119 40	1,146	
Long Lake	50 10	119 20	1,275	
Okanagan Lake—	50 00	119 20		
High water			1,135	
Low water			1,130	
Sugar Lake	50 25	118 30	1,980	
Mabel Lake	50 30	118 45	1,270	
Chaperon Lake	50 12	120 03	3,000	
Pinaos Lake	50 25	119 36	3,120	
White Lake	50 53	119 15	1,560	

BRITISH COLUMBIA			
	Lat.	Long.	Elevation
Kamloops District			
Young Lake (expansion of Bonaparte River)	51 15	121 00	3,000
Bonaparte Lake	51 15	120 30	3,700
Kamloops Lake	50 45	120 40	
High water			1,138
Low water			1,110
Stump Lake	50 22	120 22	2,450
Nicola Lake (Geological Survey)	50 10	120 30	2,020
(Can. Pac. Ry.)			2,127
Seton Lake	50 39	122 00	
High water			800
Low water			795
Loon Lake	51 06	121 15	2,820
Big Bar Lake	51 19	121 47	3,630
Pavilion Lake	50 50	121 44	2,652
Manit Lake	50 25	120 49	3,270
Gnaawsel Mountain	50 25	120 50	3,720
Choowehls Mountain	50 32	120 35	6,200
Coal Hill	50 37	120 22	3,470
Nicoamen Plateau	50 29	121 18	3,540
Lytton Mountains	50 13	121 29	6,520
Arthurs Seat	50 25	120 25	5,900
Nicola Plateau	50 15	121 55	5,000
Iron Mountain	50 02	120 46	3,280
Dufferin Hill	50 40	120 24	2,830
Savona Mountain	50 42	120 49	4,820
Francville Plateau	50 55	121 34	5,040
Porcupine Ridges	50 39	120 34	6,030
Silwoshakum Mountain	51 00	121 30	6,030
Skoatl Point	51 09	120 25	3,440
Skwilkwakwil Mountain	50 29	121 05	3,060
Mi-mem-ool Mountain	50 11	121 12	6,030
Syaist Mountain	50 23	121 04	5,780
Glossy Mount	50 37	121 09	6,150
Cuder Hill	50 34	121 08	5,070
Akasik Mountain	50 14	121 45	8,960
Skihist Mountain	50 11	121 47	9,060
Pe-toosh-keo-hap Mountain	50 13	121 51	9,180
Stein Mountain	50 29	121 47	8,900
Botane Mountain	50 22	121 56	6,620
Murray Mount	50 31	121 32	6,880
Forge Mountain	50 34	121 00	5,800
White Mountain	50 36	121 26	6,000
Lookout Point	50 33	121 28	6,000
Blustry Mountain	50 36	121 40	7,640
Cairn Mountain	50 38	121 40	7,650
As-koon Mountain	50 29	121 49	8,150
Brew Mount	50 37	121 55	7,300
McLean Mount	50 43	122 00	7,000
Chi-poon Mountain	50 44	121 43	7,070
Cornwall Hills	50 41	121 26	6,600
Fountain Ridges	50 40	121 51	5,820
Arrowstone Hills, north	51 00	121 09	5,700
Arrowstone Hills, south	50 55	121 13	5,740
Pavilion Mountains, north	50 58	121 41	6,320
Pavilion Mountains, south	50 52	121 40	6,800
Martley Mount	50 48	121 43	6,370
Tilsalt Ridge	50 59	121 37	6,300
Saus, Mount	51 04	121 43	7,000
Bowman Mount	51 15	121 53	7,000
Big Bar P.O.	51 18	122 01	3,300
Clinton Junction Creek at trail crossing	51 05	121 34	3,040
Bonaparte River, at mouth of Junction Creek	51 07	121 28	2,225
Bonaparte River, at mouth of Cuche Creek	50 48	121 19	1,460
Boyle-70 mile House	51 19	121 23	3,850
Poison Hill	51 05	120 25	3,370
Scarpel Mountains, north	50 21	121 28	5,800
Scarpel Mountains, south	50 19	121 29	5,860
Pauls Peak	50 42	120 17	3,570
Fountain Peak	50 43	121 53	5,640
Canalsfoot Mountains	50 52	122 00	7,300
Trachyte Hills	50 48	121 29	5,200

BRITISH COLUMBIA	Lat.	Long.	Elevation
Vancouver Island			
Metehosin Hill.....	48 24	123 32	812
McDonald Peak.....	48 26	123 35	1,430
Saddle Mountain.....	48 26	123 39	1,537
Conspicuous Peak.....	48 28	123 40	2,188
Wolf Hill.....	48 28	123 35	900
Sheep-blanks Hill.....	48 34	123 34	960
Mill Hill.....	48 27	123 29	650
Leading Peak.....	48 29	123 33	1,346
Douglas, Mount.....	48 30	123 31	696
Saanich Hill.....	48 31	123 26	609
Work, Mount.....	48 32	123 30	1,440
Fane, Mount.....	48 34	123 29	1,300
Jeffrey, Mount.....	48 36	123 33	1,800
Wood, Mount (Saanich Inlet).....	48 37	123 35	1,600
Newton, Mount.....	48 37	123 28	800
Saddle Hill.....	48 42	123 28	550
House Cone.....	48 40	124 33	2,500
Poett Heights.....	48 52	124 58	2,753
Pachena Cone.....	48 52	125 03	2,223
Blenheim, Mount.....	48 55	124 57	2,408
Hecate, Mount.....	49 01	124 58	3,440
Parsons, Mount.....	49 00	124 43	4,534
Grey, Mount.....	49 00	124 41	4,768
Spencer, Mount.....	49 04	124 39	4,718
Douglas, Mount.....	49 08	124 39	4,245
Moriarty, Mount.....	49 08	124 28	5,185
Arrowsmith, Mount.....	49 13	124 36	5,976
Arbutus Summit.....	49 13	124 51	1,702
Hankin, Mount.....	49 11	124 48	2,270
Turret Mountain.....	49 04	125 11	1,782
Broughton Peaks, north.....	49 00	125 14	3,414
Broughton Peaks, south.....	48 59	125 14	3,670
Ozzard, Mount.....	48 58	125 30	2,270
Frederick, Mount.....	48 59	125 31	2,472
Maitland, Mount.....	49 09	125 29	4,337
Colnett, Mount.....	49 11	125 51	2,616
Lone Cone.....	49 13	125 55	2,332
Catface Mountains, north.....	49 16	125 59	3,370
Catface Mountains, south.....	49 16	126 00	2,891
Bedingfield Range, summit.....	49 20	125 51	3,800
Wood, Mount (Clayquot Sound).....	49 22	125 49	4,162
Steeple Mountain.....	49 20	125 45	4,462
Flores Island, summit.....	49 18	126 10	3,000
Round Saddle.....	49 26	126 24	2,510
Leading Mountain.....	49 29	126 27	2,736
Lombard, Mount.....	49 34	126 33	3,000
Rauke, Mount.....	49 34	126 33	2,018
Bury, Mount.....	49 35	126 30	3,066
Albermarle, Mount.....	49 35	126 28	3,736
Adair, Mount.....	49 35	126 31	2,880
Mill Mountains.....	49 35	126 30	2,596
Pow-ll, Mount.....	49 36	126 29	3,083
Serjeant, Mount.....	49 37	126 28	2,222
Conuna Peak.....	48 50	126 18	4,889
Bate, Mount.....	49 52	126 30	5,091
Herbert, Mount.....	49 53	126 30	4,200
Needle Peak.....	49 51	126 33	4,475
Walker, Mount.....	49 45	126 34	3,646
Nootka Cone.....	49 37	126 40	1,619
Genevieve, Mount.....	49 42	126 53	1,800
Sophia Range.....	49 48	126 52	2,060-25,000
Ross, Mount.....	49 48	126 55	2,553
Leading Hill.....	49 51	127 01	1,104
Eliza Dome.....	49 53	127 08	2,819
Eliza Ears, north.....	50 00	127 01	4,107
Eliza Ears, south.....	49 59	127 02	3,885
Anvil Peak.....	49 58	127 02	3,279
Ship Peak.....	49 59	127 09	3,197
Stone Nipples, north.....	49 59	127 11	3,360
Stone Nipples, south.....	49 58	127 11	3,464

BRITISH COLUMBIA	Lat.	Long.	Elevation
Vancouver Island			
Family Humps, east.....	50 03	127 08	2,980
Family Humps, west.....	50 03	127 09	2,892
Slate Mountain.....	50 05	127 06	2,997
Union Island.....	50 02	127 17	1,484
Sharp Snow Summit.....	50 06	127 02	3,787
False Ears.....	50 08	127 09	3,814
Garibaldi Peak, east.....	50 12	127 13	4,458
Garibaldi Peak, west.....	50 12	127 15	3,695
Snow Saddle Mountain.....	50 16	127 15	4,151
St. Pauls Dome.....	50 03	127 05	1,883
Red Mountain.....	50 06	127 29	2,348
Sharp Peak.....	50 13	127 44	2,975
Gap Mountain.....	50 26	127 56	2,294
Saddle Mountain.....	50 30	127 55	1,396
Nose Peak.....	50 29	128 00	1,730
Burnt Hill.....	50 28	128 01	1,695
Entrance Mountain.....	50 28	128 04	1,275
Triangle Island.....	50 52	129 05	6,890
Cox Island } Scott Islands	50 47	128 37	1,947
Lanz Island }	50 49	128 42	1,177
Shushartie Saddle.....	50 49	127 52	1,900
Lemon, Mount (Galiano or Negay Island).....	50 53	127 48	1,200
Table Mountain.....	50 30	127 04	3,080
Nimkish or Karmutzen Lake.....	50 25	127 09	109
Karmutzen.....	50 27	127 09	5,300
Castle, Mount.....	50 27	127 09	4,640
Holdsforth, Mount.....	50 31	126 56	3,040
Hankin Range.....	50 25	126 55	4,000
Franklin Range.....	50 28	126 40	4,680
Newcastle Range.....	50 25	126 12	2,000
Palmerston, Mount.....	50 25	126 20	5,000
Prince of Wales Range.....	50 21	125 32	4,645
Menzies, Mount, north.....	50 14	125 31	3,800
Menzies, Mount, south.....	50 13	125 30	3,257
Rugged Peak.....	49 54	125 33	4,000
Alexandra Peak.....	49 44	125 30	6,394
Albert Edward, Mount.....	49 41	125 27	6,968
Washington, Mount.....	49 45	125 19	5,415
Geoffrey, Mount.....	49 31	124 43	1,690
Beaufort Range.....	49 28	125 00	5,430
Donnan Island.....	49 31	124 48	535
Mark, Mount.....	49 22	124 45	3,080
Horne Lake.....	49 20	124 43	357
Wesley, Mount.....	49 19	124 39	2,530
Evans, Mount.....	49 18	124 41	2,500
View Mountain.....	49 18	124 47	1,690
Benson or Wakesiah, Mount.....	49 09	124 04	3,306
Hayes, Mount.....	49 01	123 54	1,550
Nicholls, Mount.....	48 57	123 51	1,900
Stanton Peak.....	48 58	123 49	1,609
Prevost, Mount.....	48 51	123 46	2,687
Mexicana Hill.....	49 04	123 38	600
Rugged Peak (Thetis Island).....	49 00	123 40	700
Quadra Hill (Galiano Island).....	49 56	123 30	540
Mayne Island.....	48 51	123 17	804
Shepherd, Mount.....	48 26	123 39	1,908
Bruce, Mount.....	48 48	123 30	2,329
Lazar, Mount.....	48 36	123 47	2,190
Good, Mount.....	48 53	124 10	4,000
Franklin, Mount.....	48 55	124 11	5,000
Drew, Mount.....	48 57	124 19	4,500
Whynnyer, Mount.....	48 58	124 17	3,120
Landalt, Mount.....	48 59	124 17	4,250
Hosper, Mount.....	49 01	124 26	5,100
Buttle, Mount.....	49 01	124 34	5,250
Euptor, Mount.....	49 35	125 38	6,000
Crown Mountain.....	49 56	125 48	6,082
Victoria Peaks.....	50 04	126 10	7,484
Twin Peaks, north.....	50 30	127 17	4,620
Twin Peaks, south.....	50 29	127 17	4,630

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Stony Mountain.....	48 46	123 10	1,400
Devil, Mount.....	48 48	123 11	800
Parke, Mount.....	48 50	123 18	804
Solitary Hill.....	49 00	122 00	1,125
Sumas Mountain.....	49 03	122 02	3,229
Grant Hill.....	49 12	122 30	1,240
Blanchard or Golden Ears, Mount.....	49 22	122 31	5,560
Crown, Mount.....	49 25	123 09	4,708
Black Mountain.....	49 23	123 14	4,280
Strahan, Mount.....	49 25	123 12	5,249
Harvey, Mount.....	49 28	123 11	5,865
Brunswick, Mount.....	49 30	123 12	6,285
Murchison, Mount.....	49 44	123 14	6,135
Roderick, Mount.....	49 43	123 17	4,354
Ellesmere, Mount.....	49 38	123 48	5,800
Wrottesley, Mount.....	49 37	123 21	5,836
Elphinstone, Mount.....	49 28	123 33	4,508
Gambier Island.....	49 31	123 26	3,176
Conspicuous Cone.....	49 25	123 30	900
Gardner, Mount.....	49 23	123 24	2,479
Leading Peak (Anvil Island).....	49 33	123 18	2,745
Tremeton, Mount.....	49 28	124 18	1,050
Nelson Island, summit.....	49 43	124 00	1,500
Halovell, Mount.....	49 42	123 57	3,980
Arthur, Mount (Pender Harbour).....	49 38	124 02	1,500
Drew, Mount.....	49 47	123 48	6,150
Marlborough Heights.....	49 57	123 55	6,114
Churchill, Mount.....	49 59	123 52	6,570
Spencer, Mount (Jervis Inlet).....	50 00	123 51	6,214
Holena, Mount.....	50 13	123 52	5,451
Albert, Mount.....	50 15	123 52	8,280
Victoria, Mount (Jervis Inlet).....	50 17	124 00	7,452
Alfred, Mount.....	50 14	124 06	8,450
Alicia, Mount.....	50 12	124 04	6,285
Wellington, Mount.....	50 09	123 58	6,155
Arthur, Mount (Jervis Inlet).....	50 09	123 56	5,585
Frederick William, Mount.....	50 06	123 52	6,137
Cambridge, Mount.....	50 03	124 02	5,036
Diadem, Mount.....	50 00	124 06	6,050
Caldor, Mount.....	49 54	124 00	4,360
Trenbridge, Mount.....	49 49	124 11	4,360
Shepherd, Mount.....	49 32	124 12	2,900
Bunster Hills.....	50 00	124 41	3,500
Gwendoline Hills.....	50 02	124 48	840
Weaver, Mount.....	50 05	124 42	2,370
Spencer, Mount.....	50 07	124 42	1,650
Gifford Peninsula.....	50 05	124 45	1,000
Pardoe, Mount.....	50 10	124 36	5,000
Crawshaw, Mount.....	50 13	124 34	5,500
Dudley Cove.....	50 12	124 36	4,130
Green Mountain.....	50 07	125 00	860
Cortes Island.....	50 05	124 57	1,062
Llanover, Mount.....	50 11	124 50	2,200
Nipple Summit.....	50 13	124 58	2,876
Monk, Mount.....	50 16	124 52	2,540
Gloucester, Mount.....	50 17	124 53	3,228
Bunson, Mount.....	50 17	124 47	4,100
Adlenbrooke, Mount.....	50 14	124 42	5,140
Evening Mountain.....	50 13	125 05	1,486
William, Mount.....	50 13	125 09	1,137
Raza Island.....	50 18	125 02	3,020
Stuart Island.....	50 23	125 10	800
Aiken, Mount.....	50 17	124 35	5,940
Denman, Mount.....	50 17	124 32	6,500
Whieldon, Mount.....	50 19	124 38	5,520
Grabezbrooke, Mount.....	50 21	124 39	5,420
Barner, Mount.....	50 27	124 37	6,060
Face Mountain.....	50 28	124 44	5,095
Gastown Mountains.....	50 24	125 46	5,740
Hayes, Mount (Bute Inlet).....	50 21	124 56	5,380

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Coast				
Toba, Mount.....	50 20	125 05		2,900
Downie Range, north.....	50 25	125 03		4,926
Downie Range, south.....	50 23	125 02		4,400
Powell, Mount.....	50 28	124 58		6,066
Needle Peaks, north.....	50 44	124 49		7,025
Needle Peaks, south.....	50 43	124 48		8,145
Superb Mountain.....	50 48	124 50		8,000
Evans, Mount (Bute Inlet).....	50 51	124 49		7,883
House Mountain.....	50 55	124 53		6,900
Smith, Mount.....	50 50	125 03		4,118
Granite Peak.....	50 44	124 59		6,653
Connus Heights.....	50 35	125 04		5,746
Stokes, Mount.....	50 27	125 11		3,652
Estero Peak.....	50 28	125 13		6,055
San Josef, Mount.....	50 30	125 16		4,200
Gardiner, Mount.....	50 35	125 15		6,500
Jones, Mount.....	50 34	125 19		6,235
Treble, Mount.....	50 30	125 21		4,000
Tucker, Mount.....	50 25	125 19		3,280
Brougham, Mount.....	50 24	125 27		2,203
Eldon, Mount.....	50 24	125 31		2,011
Solitary, Mount.....	50 26	125 40		1,718
Town Hill.....	50 25	125 45		1,200
Vansittart, Mount.....	50 24	125 47		1,744
Bradshaw, Mount.....	50 28	125 35		2,300
Harold, Mount.....	50 32	125 39		1,200
Bagshaw, Mount.....	50 33	125 29		2,800
Earwistle, Mount.....	50 35	125 30		4,000
Osmington, Mount.....	50 36	125 28		4,500
McDonald, Mount.....	50 37	125 32		3,255
Spurshot, Mount.....	50 39	125 39		2,740
Reed, Mount (Loughborough Inlet).....	50 40	125 28		4,420
Pratt, Mount.....	50 40	125 25		3,530
Owen, Mount.....	50 41	125 26		4,360
Blake, Mount.....	50 42	125 32		3,000
St. John, Mount.....	50 43	125 33		2,680
Henry, Mount.....	50 44	125 29		3,000
Magin, Mount.....	50 45	125 33		1,800
Bazalgette Range.....	50 40	125 37		3,300
Paget Cone.....	50 27	125 40		2,600
Yorke, Mount.....	50 26	125 49		2,165
Royston, Mount.....	50 27	125 51		2,625
Craven Hill.....	50 27	125 56		1,000
Egremont, Mount.....	50 28	125 41		3,200
Clarence, Mount (Johnston Strait).....	50 27	125 42		2,800
Frederick, Mount (Johnston Strait).....	50 27	125 43		3,015
George, Mount.....	50 27	125 44		2,655
Harewood, Mount.....	50 28	125 46		3,700
Lascelles, Mount.....	50 28	125 45		2,600
Boyle, Mount.....	50 28	125 47		3,400
Hastings Hill.....	50 31	125 43		2,060
Drummond, Mount.....	50 31	125 45		1,221
Berkeley, Mount.....	50 33	125 41		3,273
Spencer, Mount (Johnston Strait).....	50 34	125 45		3,087
Shute, Mount.....	50 32	125 50		2,345
Scafe, Mount.....	50 32	125 51		2,200
Forbes, Mount.....	50 31	125 53		2,253
Geneste Cone.....	50 34	125 53		2,000
Tripp Hill.....	50 30	125 53		1,400
Sparks Cone.....	50 29	125 56		1,900
Baresides, Mount.....	50 29	125 58		1,135
Scriven, Mount.....	50 32	125 58		3,010
Sawyer, Mount.....	50 38	125 53		4,280
Camp Peak.....	50 39	125 52		4,140
Edith, Mount.....	50 39	125 57		3,500
Flora Peak.....	50 38	125 47		2,000
Lilla, Mount.....	50 40	125 46		1,950
Lillie, Mount.....	50 43	125 46		3,200
Cap Cone.....	50 43	125 37		3,560

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Stamps, Mount.....	50 43	125 59	4,150
Sail Cone.....	50 42	125 56	2,290
Pridaux, Mount.....	50 44	125 55	5,060
Beatrice Peak.....	50 43	125 51	3,410
Catherine, Mount.....	50 44	125 46	4,420
Young, Mount.....	50 46	125 44	4,850
Francis, Mount.....	50 48	125 56	4,880
Kitty Cone.....	50 45	125 56	4,200
Wakfield, Mount.....	50 47	125 53	5,480
Hald Peak.....	50 49	125 35	3,330
Kennedy, Mount.....	50 50	125 32	6,655
Three Finger Peak.....	50 51	125 31	5,610
Glacier Peak.....	50 51	125 33	4,120
Lang, Mount.....	50 52	125 30	5,830
Dundas, Mount.....	50 55	125 29	5,950
Cridge, Mount.....	50 57	125 27	5,800
Watson, Mount.....	50 51	125 43	4,750
Gilson, Mount.....	50 53	125 43	5,140
Spire Peaks, east.....	50 53	125 39	1,770
Spire Peaks, west.....	50 53	125 40	3,160
Wood, Mount.....	50 55	125 37	5,420
Hills, Mount.....	50 57	125 39	5,650
Dyer, Mount.....	51 00	125 38	6,100
Everard, Mount.....	51 01	125 42	7,000
Swampy Peak.....	51 03	125 40	4,430
Rodell, Mount.....	51 01	125 28	7,280
Costello Peak.....	51 04	125 31	5,480
Low, Mount.....	51 07	125 29	6,320
Village Cone.....	51 07	125 33	3,690
Blair, Mount.....	51 07	125 41	6,550
Hardy, Mount.....	50 20	126 04	2,610
Collingwood, Mount.....	50 33	126 02	3,255
Victory, Mount.....	50 32	126 05	3,280
Snow Mountain.....	50 33	126 09	3,000
Bare Mountain.....	50 31	126 14	1,500
Falkner, Mount.....	50 31	126 16	1,600
Burnt Mountain.....	50 34	126 11	2,850
Gosset, Mount.....	50 36	126 08	2,300
Sunmerfield, Mount.....	50 37	126 08	3,750
Hawkins, Mount.....	50 37	126 08	4,740
Anthony, Mount.....	50 33	126 15	1,100
Thomas, Mount.....	50 34	126 19	1,650
Read, Mount.....	50 46	126 16	4,820
Hulton, Mount.....	50 45	126 13	3,980
James, Mount.....	50 43	126 25	2,676
Dunsterville, Mount.....	50 48	126 22	2,700
Carrington Hills.....	50 46	126 25	1,000
Antony, Mount.....	50 42	126 07	5,000
Frederic, Mount.....	50 43	126 04	5,000
Foster, Mount.....	50 45	126 01	3,800
Hooper, Mount.....	50 48	126 08	5,360
Kingcome Mountains.....	50 55	126 09	5,600
Smyth Cone.....	50 53	126 08	3,800
Everingham, Mount.....	50 57	126 16	5,200
Craig Hills.....	50 44	126 21	3,000
Sophia, Mount.....	50 53	126 21	4,200
Mathison, Mount.....	50 51	126 24	4,100
Bald Mountain (Kingcome Inlet).....	50 51	126 28	2,925
Hawes, Mount.....	50 52	126 32	1,400
Prescott, Mount.....	50 50	126 29	3,000
Plunridge, Mount.....	50 53	126 31	3,355
Quoin or Stoney Mountain.....	50 49	126 38	1,500
Double Hill.....	50 48	126 39	1,400
Lone Hill.....	50 47	126 43	1,000
Ick, Mount.....	50 49	126 47	1,365
Browne, Mount.....	50 51	126 47	1,745
Stoford, Mount.....	50 51	126 51	940
Constable, Mount.....	50 57	126 22	5,325
Plowden, Mount.....	50 58	126 27	4,300
Walter, Mount.....	51 00	126 29	3,300

ALTITUDES IN CANADA

BRITISH COLUMBIA			
	Lat.	Long.	Elevation
West Coast			
Benedict, Mount.....	51 02	126 28	3,500
Beckford, Mount.....	50 58	126 33	3,500
Pasmore, Mount.....	50 57	126 33	2,800
Lardner, Mount.....	50 56	126 32	3,165
Burrell, Mount.....	50 55	126 30	1,560
Burnaby Range.....	50 55	126 42	2,500
Stephens, Mount.....	50 58	126 41	5,665
Conolly, Mount.....	50 54	126 43	3,965
Matthew Range.....	50 53	126 43	2,365
Cliff Mountain.....	50 54	126 47	2,575
Calvert, Mount.....	50 54	126 50	1,135
Colville Range.....	50 56	126 47	2,500
Parthenope, Mount.....	50 58	126 51	1,345
Verney, Mount.....	50 59	126 52	2,225
Eliza, Mount (Drury Inlet).....	50 57	126 51	1,100
Emily, Mount.....	50 56	126 53	1,225
Nightingale, Mount.....	50 57	126 57	1,675
Florence, Mount.....	50 57	126 55	1,515
Fermanagh, Mount.....	50 56	126 57	1,135
Morton, Mount.....	50 55	126 56	1,545
Jolliffe, Mount.....	50 55	126 58	1,460
Simmonds, Mount.....	50 52	126 57	1,125
Orway, Mount.....	50 52	126 56	1,215
Hulme, Mount.....	50 52	127 01	1,065
Wyward, Mount.....	50 52	127 02	1,200
Kerr, Mount.....	50 53	127 04	1,145
Oke, Mount.....	50 56	127 01	1,000
Thornton Gate, Mount.....	50 58	127 00	2,200
Silverlock Hills.....	50 58	127 04	1,500
Fullack, Mount.....	50 57	127 07	2,180
Adams, Mount.....	50 57	127 10	1,610
Ward, Mount.....	50 59	127 09	2,000
Snowdrift Mountain.....	51 07	126 37	4,000
Finger Mountain.....	51 08	126 37	5,000
Flat Mountain.....	51 13	126 45	6,000
Village Mountain.....	51 09	126 47	2,500
Nod Hill.....	51 07	127 38	1,000
Coast Nipple.....	51 11	127 40	1,350
Robinson, Mount.....	51 11	127 36	2,100
Lewis Range.....	51 14	127 19	3,800
Coast Peak.....	51 21	127 37	1,250
Cooper, Mount.....	51 03	126 53	3,000
Amesley, Mount.....	51 04	127 15	2,700
Denny Island.....	52 09	127 59	2,750
Buxton, Mount.....	51 36	128 00	3,450
Moore, Mount.....	52 29	126 52	4,900
Remarkable Cone.....	52 09	127 52	2,300
Hand, Mount.....	52 11	128 14	1,164
Chatfield Island.....	52 15	128 07	920
Lake Mountain.....	52 21	128 19	2,270
Stripe Mountain.....	52 26	128 25	2,500
Cone Mountain.....	52 40	128 38	2,400
Nesle Peak, south.....	52 43	128 40	2,600
Nesle Peak, north.....	52 48	128 42	2,800
Albee, Mount.....	52 46	128 58	1,150
Palmer Mountain.....	52 41	128 54	1,000
Estevan Island.....	53 05	129 38	1,700
Campania Island.....	53 05	129 23	2,000
Winn-don Mountains.....	53 20	129 25	2,000-3,000
Gil, Mount.....	53 16	129 13	3,000
Promise Island.....	53 23	129 16	1,710
Pitt, Mount.....	53 24	129 20	3,000
Peeck, Mount.....	53 26	129 17	2,300
Noble Mountain.....	53 39	130 11	2,874
Farrant Island.....	53 20	129 26	1,700
Elwin Mountain, north.....	53 57	130 03	2,334
Elwin Mountain, south.....	53 56	130 02	2,537
Bareside Mountain.....	53 55	130 18	1,045
Spicer Island.....	53 45	130 22	827
Noble Mountain.....	53 49	130 35	1,400

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
McCauley Island	53 40	129 15	1,169
Anchor, Mount	53 52	130 15	1,381
Shields, Mount	53 59	130 17	2,620
McGrath, Mount (Chatham Sound)	54 00	130 15	2,220
Oldfield, Mount	54 17	130 15	2,300
Mission, Mount	54 22	130 22	1,310
Kennedy Island	54 02	130 11	2,765
Deer Mount	54 26	130 23	2,230
Prescott Island	54 05	130 37	820
Basil Lump	54 30	130 21	2,960
Stephens Island	54 07	130 37	1,540
Leading Peak	54 31	130 23	2,280
Ben Mountain	54 32	130 22	2,460
Gritfin, Mount	54 32	130 29	1,410
McNeil, Mount	54 35	130 14	4,300
Bonwick, Mount	54 32	130 51	1,600
Thumb Peak	54 33	130 54	2,500
Compton Island	54 39	130 25	950
Tomlinson, Mount	55 02	129 57	3,385
Woods, Mount	55 01	129 51	3,807
Francis, Mount	55 08	130 49	5,011
Jamez, Mount	55 05	130 05	4,651
Washington Range	55 08	130 01	4,011
Dent, Mount	55 12	129 58	5,057
Huntington, Mount	55 16	129 40	5,048
Newport Mountains, north	55 21	129 55	5,528
Newport Mountains, south	55 22	129 56	5,710
Tourney, Mount	55 27	129 57	5,732
Clashmore, Mount	55 29	129 51	5,492
Marshall, Mount	55 31	129 59	4,560
George Mountains	55 33	129 50	5,225
Campbell Mountains	55 31	129 43	4,405
Chaloner Range	55 20	129 34	4,081
Ashby Mountain, north	55 29	129 54	5,173
Ashby Mountain, south	55 26	129 51	5,485
Brown, Mount	55 43	129 57	5,800
Gunton Mountains	55 45	129 50	5,193
Colling Range	55 50	129 00	3,000-4,000
Tyde Mountain (Portland Canal)	55 53	129 50	4,000-5,000
D-Israeli Mountains	56 05	129 55	7,000
Gladstone, Mount	56 00	129 51	4,800
Johnson, Mount	56 03	129 58	6,365
*Harbour Ridge, north	54 48	130 40	1,719
Harbour Ridge, south	54 48	130 40	1,165
Peabody Mountains	55 20	130 10	4,000-5,000
Donne Peak	55 25	130 11	6,500
Rossseau Range	55 25	130 15	3,500-4,000
Adams, Mount	55 42	130 17	7,000
Seward Mountains	55 41	130 09	4,100
Linedin Mountains	55 56	130 08	5,625
Halleck Range	55 25	130 15	3,500-4,500
Reverdy Mountains	56 00	130 00	5,117
Dome Mountain (Portland Canal)	55 04	130 16	2,190
Stripe Mountain	55 02	130 16	2,900
Arm Mountain	54 59	130 19	3,460
Harry Saddle	54 51	130 45	2,177
Cone Mountain	54 49	130 50	2,088
Cone Mountain	54 57	130 37	3,800
Quadra Mountain, south	55 04	130 55	1,764
Quadra Mountain, north	55 06	130 58	2,353
Shed Mountain	54 55	130 41	2,620
Between Mountain	55 04	131 28	1,528
Black Mountain	55 17	131 25	1,882
Bush Mountain	55 13	131 31	1,805
Leaf Ridge, north	54 51	130 37	2,235
Leaf Ridge, south	54 51	130 37	2,173
Lazaro Mountain	54 52	131 22	1,797

* This and the following peaks under this heading (West Coast) are in the Yukon-Alaska territory, now (1901) in dispute between Canada and the United States.

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Coast				
Janeville Mountain	55 10	131 31		2,619
Chenango Mountain	55 11	131 31		2,987
Backbone Mountain	55 10	131 02		2,525
Behm Mountain	55 12	131 00		2,867
Leadville Mountain	55 07	131 32		1,795
Monad Hill	55 14	131 15		1,956
Nakat Mountain	54 52	130 38		2,921
Notch Mountain	55 16	131 14		1,879
Achilles Mountain	55 21	131 24		3,027
Anvil Mountain	55 16	131 35		2,157
Davison Mountain	55 03	131 28		2,650
Tangus Mountain	55 04	131 35		3,684
Tired Mountain	55 10	131 28		1,824
Agassiz Mountain	55 05	131 30		2,241
Spot Mountain	55 16	131 44		1,807
Dubouque Mountain	55 07	131 25		2,145
Spine Mountain	55 12	131 29		1,987
Purple Mountain	55 06	131 32		2,447
Flat Mountain	55 15	131 44		1,800
Red Mountain	55 15	131 33		2,404
Con. Mountain	55 12	131 30		2,718
Mar. Mount	55 35	131 58		2,447
High Mountain	55 22	131 48		2,540
Tyre, Mount	56 12	131 26		4,660
Plain Mountain	55 18	131 50		2,655
Kaplo, Mount	56 16	131 26		4,589
Smoot Mountain	55 14	131 48		1,809
Black Crag	56 33	131 42		5,900
Sullivan Peak	55 22	131 48		2,142
Whippie, Mount	56 37	131 36		5,033
Snowy Mountain	56 25	131 24		5,577
Kalitate Mountain	56 40	131 42		4,650
Iskoot Mountain	56 41	131 41		4,799
Turner, Mount	56 47	131 32		6,600
McGrath, Mount (Stikine River)	56 46	131 31		6,179
Elbow Mountain	56 56	131 50		4,253
Glacier Mountain	56 47	131 50		4,769
Laura, Mount	56 50	131 43		7,327
Sugar Loaf Mountain	56 50	131 41		5,250
Big Mountain	56 54	131 35		8,750
Harold, Mount (Stikine River)	57 00	131 41		3,428
Snow Cap Mountain	56 54	131 32		4,950
Boundary Mountain	57 04	131 51		4,806
Robertson, Mount	56 54	131 57		7,950
Eagle Crag	56 35	131 42		5,705
Wrangell Peak	56 33	132 19		3,744
Thunder Mountain	56 48	132 28		3,080
Simpson Peak	56 51	132 31		5,271
Saw Peak	56 56	132 35		5,124
Sam Peak	56 35	132 39		2,583
Pirate Peak	56 58	132 45		3,289
Dupont Peak	56 54	132 31		5,294
Patterson Peak, north	56 58	132 41		4,812
Patterson Peak, south	56 58	132 41		4,746
Hosue Peak	56 56	132 54		6,001
Cosmos Range	57 00	132 43		4,723
Kates Needle	57 03	132 02		5,500
Hump Knoll	57 58	232 50		3,116
Devils Thumb	57 05	132 21		9,105
Twin Peaks	56 57	132 32		6,557
Waterfall Peak	57 02	132 46		3,403
Footie Peak	57 04	132 45		5,176
Admiral Range	57 03	132 44		5,050
Bainbridge Peak	57 06	132 50		3,467
Henry Peak	57 08	132 56		3,386
Gray Peak	57 10	132 51		4,694
Prebble Peak	57 06	132 42		5,028
Agassiz Peak	57 12	132 49		5,533
Dana Peak	57 08	132 54		4,590
Maury Peak	57 15	132 33		5,630

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Coast				
Franklyn Peaks, north.....	57 08	133 03		4,314
Franklin Peaks, south.....	57 08	133 03		3,900
Grant Peak.....	57 12	133 04		3,291
Eriesson Peak.....	57 09	133 02		4,296
Lincoln Peak.....	57 15	133 07		4,804
Garfield Peak.....	57 16	133 10		3,929
Washington Peak.....	57 16	133 20		3,357
Hancock Peak.....	57 04	133 00		4,536
Rodman Peak.....	57 06	131 57		3,140
Dahlgren Peak.....	57 14	133 22		3,569
Sundum, Mount.....	57 48	133 25		6,030
Tent Mountain.....	57 55	133 08		7,100
Snow Tower.....	58 10	133 24		6,550
Everett Peak.....	58 01	133 54		3,748
Arthur Peak.....	58 03	133 58		3,588
Villard, Mount.....	59 16	135 17		5,000
Chilkoot Pass.....	59 42	135 13		3,502
White Pass.....	59 36	135 07		2,897
Carmack, Mount.....	59 34	135 15		6,900
Cleveland, Mount.....	59 49	135 45		6,000
Emmons, Mount.....	59 33	135 23		5,750
Newell, Mount, or Parsons Peak.....	59 28	135 15		3,545
Ripinski, Mount.....	59 21	135 30		4,060
Emmerich, Mount.....	59 13	135 41		6,800
Snow Dome.....	58 59	135 52		3,300
Glave, Mount.....	59 36	136 19		6,150
Chilkat Pass.....	60 09	136 04		4,950
Black Mountain.....	58 58	135 54		5,990
Chilkat Peak.....	59 07	136 06		5,150
Wright, Mount.....	59 30	136 08		6,580
Snow Dome.....	58 49	136 02		4,945
Case, Mount.....	58 48	135 49		5,510
Saddle Mountain.....	58 58	135 33		5,890
Young, Mount.....	58 52	135 34		5,720
Pyramid Peak.....	58 52	136 17		4,070
La Perouse, Mount.....	58 34	137 05		10,758
D'Asplet, Mount.....	58 36	137 11		9,500
Crillon, Mount.....	58 40	137 10		12,750
Lituya, Mount.....	58 48	137 27		11,743
Unana, Mount.....	59 43	139 13		6,500
Ruhanah, Mount.....	59 59	139 03		8,445
Pinta, Mount.....	59 56	138 48		8,900
Hoorts, Mount.....	59 45	139 31		2,977
Hendrickson, Mount.....	59 49	139 28		4,550
Malaspina.....				14,580
Tebenkof.....				14,000
Vasilief.....				13,946
Russian chart.....				10,708
Tebenkof.....	58 55	137 32		13,864
Coast Survey chart, 1895.....				13,500
Int. Bdy. Com., Canada.....				13,387
Coast Survey chart, 1900.....				13,292
Cariboo District				
Flat Top Mountain.....	53 05	121 09		7,400
Palmer Mountains, north.....	53 01	121 21		6,500
Palmer Mountains, south.....	52 59	121 19		6,700
Howley Mountain.....	53 00	121 25		6,300
Greenberry, Mount.....	53 05	121 30		6,000
Murray, Mount.....	53 06	121 31		6,000
Valley Mountain.....	53 04	121 35		5,000
Two Sisters Mountain.....	53 11	121 36		6,800
Island Mountain.....	53 05	121 41		5,800
Burns Mountain.....	53 01	121 41		5,800
Tom, Mount.....	53 07	121 46		5,700
Wiley, Mount.....	53 08	121 42		5,700
Dragon Mountain.....	53 04	121 52		5,600

BRITISH COLUMBIA			
	Lat.	Long.	Elevation
Cariboo District			
Anderson, Mount.....	53 00	121 50	5,400
Sovereign Mountain.....	52 58	121 56	5,400
Campbell Mountain.....	52 58	121 51	5,200
Agnes, Mount.....	52 58	121 56	6,200
Antler Mountain.....	52 57	121 50	5,700
Burdett, Mount.....	52 56	121 53	6,900
Meridian Mountain.....	52 55	121 53	6,400
Black Stuart Mountain.....	52 52	121 11	6,000
Kimball Mountain.....	52 53	121 06	6,600
Round Top Mountain.....	52 53	121 22	6,700
Yanks Peak.....	52 48	121 29	6,140
Cariboo Mountain.....	52 49	121 42	6,200
Newell, Mount.....	52 47	121 57	4,200
Mitchell, Mount.....	52 47	120 47	6,800
Watt, Mount.....	52 39	120 49	8,200
Ogden Peak.....	52 36	120 52	7,500
Three Sisters Mountain.....	52 42	121 02	6,900
Barker Mountain.....	52 45	121 15	6,300
Stevenson, Mount.....	52 37	121 10	7,100
Brew, Mount.....	52 35	121 17	6,600
Badger Peak.....	52 38	121 20	6,500
Duck Creek Mountain.....	52 43	121 39	5,000
Kangaroo Mountain.....	52 42	121 45	4,800
Stiles Mountain.....	52 39	121 51	3,800
Fork Mountain.....	52 36	121 45	3,600
Guy Mountain.....	52 27	121 57	3,500
Quemel Lake.....	52 30	121 00	2,250
Cariboo Lake.....	52 45	121 25	2,550
Central Interior			
Chocomaik Lake.....	51 42	124 15	5,850
Tatla Lake.....	52 00	124 25	2,980
Iteha Mountains.....	52 40	125 00	6,000 7,000
Ilgachuz Mountains.....	52 40	125 20	6,000 7,000
Tsitouf Mountain.....	52 40	125 50	6,000
Tetachuck Lake.....	53 20	125 50	2,770
Fawcett Mountains.....	53 10	125 00	6,900
Kuyakuz or McMillan Mountains.....	53 10	124 40	5,000
Kuyakuz Lake.....	53 08	124 40	5,518
Tatelluz Lake.....	53 15	124 45	3,649
Chestatta Lake.....	53 42	125 15	2,800
Ootsamnikut Lake.....	53 40	126 00	2,740
Fransua Lake.....	54 00	125 30	2,375
Fraser Lake.....	54 03	124 40	2,225
Tasuluz Mountain.....	53 49	125 58	3,240
Newhaco River, at confluence of Stuart River.....	54 00	125 35	2,085
Nadina Mountain.....	54 01	126 53	5,255
Porte d'Enfer, summit.....	54 12	124 40	3,790
Stuart Lake.....	54 50	125 00	2,200
Bahine Lake.....	54 45	126 00	2,222
Taeha Lake.....	55 20	126 00	2,270
Nakatl, Mount, or Pope's Cradle.....	54 30	124 36	4,800
Nacus Mountain.....	55 14	125 50	7,000
Matz-hetzel Mountain.....	54 40	126 17	5,000
Netzeltal Mountain.....	55 15	127 00	8,000
Blunt Mountain.....	55 14	127 12	4,000
Rechers Belasles Range.....	55 11	127 40	6,680
Pear Lake (Horetzky).....	56 00	126 45	2,004
Kitkargase village.....	55 33	127 35	1,325
Bahine Range.....	55 30	127 30	7,000 8,000
Atna Mountains.....	55 40	127 20	9,000
Hovtzky Mountain.....	55 38	126 53	5,272
Ere-pan Mountains.....	55 50	126 30	7,000 8,000
Kotsane Pass.....	55 45	126 45	3,600
Atna Pass.....	55 47	127 15	6,000
Suskwa Pass.....	55 29	126 42	3,272
Hogem Pass.....	55 38	125 54	3,438
Carp Lake.....	54 50	123 25	2,747

BRITISH COLUMBIA	Lat.	Long.	Elevation
Central Interior			
McLeod Lake.....	54 55	123 00	2,250
Summit Lake.....	54 15	122 40	2,300
Arctic-Pacific divide, Summit Lake to Salmon River.....	54 14	122 45	2,500
Arctic-Pacific divide, McLeod and St. James trail.....	54 45	123 30	2,820
Giscome portage, summit.....	54 10	122 35	2,160
Bear Mountain.....	53 59	122 08	3,500
Bear Lake.....	53 53	122 00	2,525
Smoky River Pass.....	54 08	120 12	5,300
Parsnip and Misinehina rivers, confluence of.....	55 07	123 03	2,170
Pine Pass.....	55 24	122 37	2,850
Camose Mountain.....	55 30	122 38	5,700
Hunter Peak.....	55 10	122 10	5,550
Pine River at Middle-forks.....	55 37	121 42	1,930
Pine River at Lower forks.....	55 44	121 18	1,837
Moberly Lake.....	55 52	121 45	2,050
Selswyn, Mount.....	56 00	123 45	6,250
Table Mountain.....	55 58	123 30	3,500
Finlay and Omineca District			
Finlay River—			
At Fort Grahame.....	56 36	124 43	2,215
At Desert cañon.....	56 57	125 03	2,577
At mouth of Tschuca River.....	57 25	125 48	4,530
Finlay, Mount.....	57 34	126 18	5,200
Daghadueya, Lake.....	56 30	125 05	2,700
Tehuditeho, Lake.....	56 25	125 08	2,800
Akayibi, Mount.....	56 16	125 16	7,100
Mekke, Mount.....	56 09	125 25	9,000
Tchukwazitti Range.....	56 20	126 00	7,000-8,500
Tchutazi, Lake.....	56 17	125 45	3,750
Tenakichi Range.....	56 13	125 45	7,000-8,500
White, Mount.....	56 12	126 07	9,800
Carruthers, Mount.....	56 22	126 10	10,150
Matawadilata Range.....	56 05	126 00	9,700
Omineca Lake.....	56 11	126 40	4,150
Sitchiada, Mount.....	56 06	126 33	7,500
Khoie, Lake.....	55 58	126 12	4,300
Connolly and Grahame trail, summit (Arctic-Pacific divide).....	56 05	126 40	5,400
Same trail, divide between Omineca and Tchutazi rivers.....	56 10	126 10	5,100
Tcheta-tchudi, Lake.....	56 22	125 52	3,800
Hogen Pass, summit.....	55 40	125 52	3,438
Old Hogen (Carruthers).....	55 45	125 26	2,600
Old Hogen (Horetzky).....			2,570
Germansen.....	55 47	124 40	2,350
Cassiar District			
Stikine River, at mouth of Telegraph Creek.....	57 55	131 10	540
Kaketsa, Mount.....	58 10	132 00	5,000
Egmill, Mount.....	58 20	131 50	5,400
Heart Mountain.....	58 38	132 05	5,100
Crater Mountain.....	59 15	132 10	6,000
Disella Lake.....	59 20	131 45	3,805
Hotahuh Mountain.....	58 20	130 15	5,700
McLeod, Mount.....	58 35	130 10	6,300
Dease Lake.....	58 40	130 05	2,600
Anvil Mountain.....	59 00	129 55	7,500
Sylvester Peak.....	59 10	129 15	7,000
Sheep Mountain.....	59 08	129 05	8,100
Liard and Dease rivers, confluence of.....	59 56	128 34	2,100
Atlin District			
O'Keefe Mountain.....	59 08	133 14	5,500
Sloko Mountain.....	59 09	133 45	5,500
Merlin Mountain.....	59 13	133 02	5,500

BRITISH COLUMBIA		Lat.	Long.	Elevation
Atlin District				
	McCallum Mountains, east	59 15	133 33	4,500
	McCallum Mountains, west	59 15	133 41	5,700
	Mussen Mountain	59 14	134 05	5,000
	McMaster Mountain	59 20	133 12	3,000
	Johnson Range	59 26	133 26	6,200
	Birch Mountains	59 26	133 49	6,700
	Atlin Mountain	59 33	133 52	5,500
	Bee Peak	59 35	134 04	5,000
	Lina Range	59 34	133 37	5,650
	Taku Mountains	59 40	133 55	5,000
	Mungo Mountain	59 29	133 35	5,500
	Barham Peak	59 45	133 22	7,000
	McIntosh Mountain	59 50	133 25	4,800
	Brown Dome	59 49	132 58	6,430
	Boofus Mountain	59 56	133 02	5,015
	Haleg Peak	59 56	133 42	5,700
	Birch Mountain	59 57	133 43	5,700
	Minto Mount.	59 56	133 53	6,500
	Pine City	59 36	133 44	2,825
	Surprise Lake	59 40	133 15	3,025
	Gladys Lake	59 51	133 00	2,915
	Tagish Lake	59 45	134 15	2,161
	Atlin Lake	59 30	133 45	2,290
	Edgar Lake	59 25	134 10	2,800
	Nelson Lake	59 20	134 12	2,900
	Pike Lake	59 15	133 25	2,500
	Toslin Lake	60 00	132 65	2,400
Queen Charlotte Islands				
	*The highest and most rugged part of the mountain axis of the islands is found in latitude 52 30', where many peaks rise to altitudes probably surpassing	52 30	132 00	5,000
	*High mountains are again found opposite Burnaby Island, but towards Cape St. James the land gradually falls. About Houston Stewart Channel none of the summits probably surpass	52 08	131 12	2,000
	*About the heads of Cumshewa and Skidegate inlets and on Louise Island the land is very rugged with many summits exceeding	53 00	132 00	3,000-4,000
	*The mountains about the head of Masset Inlet seldom surpass	53 35	132 30	1,000
	Huxley Island	52 25	131 30	1,500
	Lyell Island, 'hills in the centre of the island probably exceed	52 40	131 45	1,000
	Red Top Mountain, about			3,000
	Kunga Island	52 46	131 40	1,500
	Carpenter Bay - 'Thickly wooded mountains rise everywhere from the water's edge to heights frequently exceeding 1,000 feet, but rarely, if ever, more than'	52 12	131 10	2,000
	Skineutle Inlet - 'The mountains at the head of Tangle Cove are steep and probably reach'	52 18	131 25	3,000
	Bigsby Inlet - 'Is a gloomy chasm surrounded by mountains which sometimes attain, in the first instance, a height of 3,000 feet. Further back, especially to the southward and westward, massive summits of bare granite rise to'	52 38	131 55	5,000
	Klum-kwa-t Bay, 'the highest peaks probably exceed'	52 42	132 00	5,000
	Table Mountain	52 12	131 55	1,720
	San Christoval Mountains	52 30	132 00	4,000
	Burnaby Island	52 22	131 27	1,500

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ST. LAWRENCE RIVER FROM PRESCOTT TO MONTREAL

Monthly mean of water levels above or below the zero of gauge at Ogdensburg and above water sills of the several locks at the places named.

Elevations of the several planes of reference, in feet, above mean tide at New York:—

Ogdensburg,.....	244 25	Cornwall, new lock 15.....	138 20
Galops, old lock 27.....	234 67	Valleyfield, old lock 14.....	141 44
Galops, old lock 25.....	217 44	Melochville, old lock 6.....	59 75
Morrisburg, old lock 23.....	204 74	Lachine, old lock 5.....	57 31
Farrans Point, old lock 22.....	192 69	Montreal, old lock 1.....	6 02
Cornwall, old lock 15.....	143 78		

Month	Ogdensburg	Galops Canal		Morrisburg, lock 23	Farran's Point, lock 21	Cornwall, lock 15	Valleyfield, lock 14	Melochville, lock 6	Lachine, lock 5	Montreal, lock 1
	Feet	Lock 27	Lock 25	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1870	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
January.....	1 69	10 75	12 25	10 42	8 04	17 08	12 83	12 75	11 75	33 08
February.....	1 73					25 42	12 98	14 75	11 50	32 17
March.....	1 53	10 50	12 25	10 50	7 92	22 83	12 36	14 42	10 92	29 83
April.....	2 72	11 50	14 25	11 83	9 42	15 25	13 31	14 50	14 75	30 25
May.....	3 24	12 67	15 67	12 58	10 83	12 42	13 42	14 67	14 92	21 42
June.....	2 97	12 42	15 33	13 33	10 75	12 08	13 28	13 08	12 58	30 67
July.....	2 73	12 25	15 17	12 08	10 50	11 92	13 17	12 50	11 92	19 33
August.....	2 40	11 75	14 08	11 42	10 33	11 67	12 94	11 75	11 42	18 75
September.....	1 54	10 67	13 58	10 75	9 92	11 17	12 54	10 92	10 83	18 08
October.....	1 24	10 50	13 00	10 50	9 50	10 92	12 44	10 42	10 67	17 67
November.....	1 01	10 33	12 25	10 17	9 25	10 58	12 28		11 00	18 50
December.....	0 87	10 08	12 08	10 94	8 75	11 00	12 19	10 92	10 75	18 75
1895										
January.....						Newlock				
February.....		8 00	8 83	6 92	8 33	15 83	11 50	12 75	10 75	28 92
March.....		7 17	7 50	7 42	7 25	14 17	10 57	15 67	9 08	24 67
April.....		7 42	8 00	7 92	7 33	14 08	10 68	13 17	8 58	23 08
May.....		8 50	9 92	9 50	8 33	(15 69)	11 95	12 17	11 75	25 33
June.....	-0 50	8 83	10 33	9 75	8 50	15 25	11 46	12 33	12 33	29 50
July.....	-0 67	8 67	10 17	9 58	8 33	15 08	11 28	11 17	11 33	18 58
August.....	-0 92	8 33	9 67	9 17	8 08	(14 70)	10 96	9 67	9 83	15 83
September.....	-1 09	8 25	9 42	6 92	7 92	14 67	10 98	9 17	9 50	15 33
October.....	-1 54	7 92	8 83	6 42	7 50	14 33	10 54	8 67	8 92	14 50
November.....	*-1 75	7 67	8 33	5 92	7 17	14 04	10 39	8 78	8 67	13 83
December.....		7 42	7 83	5 50	6 67	13 92	10 17	8 33	8 50	13 83
		7 58	7 83	5 92	7 00	14 33	10 47	9 67	9 67	21 08

*No record for the last seven days of the month.

NOTE.—Interpolated monthly means are indicated by parentheses. The interpolation (April and July, 1895) at Cornwall was made by comparing with the record at Valleyfield and assuming that the slope between the two points was practically the same as for the preceding and following months.

WATER LEVELS OF THE ST. LAWRENCE AND GREAT LAKES

RIVER ST. LAWRENCE AT MONTREAL

Depth of water in feet and decimals in the Montreal Harbour over and under sill of old lower lock of the Lachine Canal, deduced from gaugings taken at noon each day. Elevation of the water sill is 6.92 feet above mean tide at New York.

Levels for the period, 1860-1895, from the Report of U. S. Deep Waterways Commission; for the period, 1895-1900, from information furnished by Mr. Ernest Marcou, Superintending Engineer, Quebec Canals.

Year.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860	32.75	28.83	28.75	22.83	23.08	20.50	19.42	18.83	18.50	18.75	19.50	24.00	22.98
1861	33.17	30.58	30.92	30.50	26.25	23.67	21.58	20.08	19.08	19.08	20.67	21.00	21.72
1862	33.38	31.58	31.68	30.17	24.83	21.50	19.75	19.25	19.42	19.08	19.42	21.58	24.57
1863	28.50	30.00	28.42	30.17	23.58	21.25	19.75	18.83	18.25	18.25	19.08	22.68	23.18
1864	33.42	31.00	29.58	25.50	25.42	21.42	19.25	18.00	18.83	20.08	22.17	23.33	23.53
1865	32.92	31.17	31.17	27.33	24.08	21.08	20.33	19.17	17.75	17.00	16.75	19.83	23.22
1866	29.25	26.92	27.00	26.75	21.83	21.67	19.75	18.83	19.50	18.83	20.08	22.17	23.72
1867	33.92	32.33	31.17	30.68	25.00	23.83	20.83	19.00	18.00	17.68	16.75	25.58	21.51
1868	27.67	25.17	27.17	24.17	20.92	20.60	17.92	17.17	16.92	16.42	17.08	23.83	21.20
1869	28.58	26.17	25.58	29.92	27.25	21.83	20.42	19.75	20.00	20.25	18.50	25.67	23.46
1870	33.08	32.17	29.83	30.25	24.42	20.67	19.33	18.75	18.08	17.67	18.50	18.75	23.46
1871	31.33	29.17	30.17	23.33	23.17	20.50	18.92	17.83	17.00	16.50	16.42	27.50	22.67
1872	27.25	25.33	25.75	27.75	21.17	20.17	17.67	16.75	16.83	17.38	17.17	19.75	21.19
1873	25.92	24.75	25.25	31.42	24.17	22.25	19.67	18.33	17.25	18.17	18.50	25.75	22.62
1874	33.58	31.00	30.50	28.25	22.17	23.25	20.58	18.42	17.25	16.83	16.42	21.50	23.31
1875	27.83	24.25	25.75	28.25	22.75	20.17	18.08	17.50	16.83	16.92	16.75	28.83	21.99
1876	28.00	26.83	28.58	30.83	27.42	24.33	21.25	18.83	18.08	17.83	18.17	26.17	23.86
1877	30.33	28.92	28.33	28.08	19.92	18.50	18.08	17.50	16.67	16.50	16.92	17.58	21.28
1878	29.00	30.83	26.58	19.75	19.50	19.08	18.25	18.33	17.83	18.33	19.50	20.50	21.97
1879	33.92	30.50	28.83	28.50	24.00	20.75	18.75	17.67	17.00	16.50	16.08	20.92	21.95
1880	29.25	27.92	27.08	25.83	23.08	21.42	18.92	17.58	16.83	16.67	18.08	22.50	22.19
1881	27.25	25.08	26.33	23.50	21.33	19.25	17.75	17.00	16.17	15.75	16.08	16.25	20.15
1882	25.83	29.92	28.67	22.17	21.83	22.58	20.75	19.08	18.50	17.50	17.25	22.50	22.22
1883	26.33	25.00	25.75	28.42	21.58	22.17	21.42	19.50	18.17	17.92	18.25	23.08	22.31
1884	24.17	31.42	31.08	30.75	24.08	20.92	19.25	18.75	17.67	17.58	17.92	22.08	23.81
1885	31.58	30.00	28.50	30.92	24.17	21.75	20.67	18.83	18.08	19.33	18.08	17.75	23.33
1886	24.42	31.75	29.33	31.67	23.42	21.08	19.83	18.83	18.00	18.00	18.08	18.00	24.17
1887	30.08	28.83	29.50	33.08	25.58	21.08	19.25	18.08	16.08	16.58	16.17	17.00	22.69
1888	29.67	25.67	26.58	29.50	22.92	21.83	19.00	17.50	17.17	16.75	18.00	20.33	22.68
1889	28.33	29.33	27.67	24.67	21.17	22.08	20.08	18.50	17.08	16.83	16.33	17.58	21.04
1890	29.67	32.92	31.42	26.42	23.58	23.75	20.83	19.00	19.00	18.00	17.92	26.58	24.69
1891	28.67	27.17	23.33	28.25	22.92	19.50	18.25	18.00	17.00	15.92	15.67	17.50	21.02
1892	24.17	28.00	25.75	23.33	23.75	22.50	19.33	18.25	17.08	16.58	17.08	20.17	20.69
1893	29.58	25.92	26.33	27.42	23.75	22.50	19.58	18.08	17.83	16.83	16.50	26.25	21.34
1894	30.83	26.92	29.00	33.83	22.00	20.50	19.17	17.00	16.17	16.58	16.83	12.25	21.34
1895	28.92	24.67	23.08	25.33	20.50	18.58	15.83	15.33	14.50	13.83	13.83	21.08	19.62
1896	27.77	27.27	26.04	30.45	20.52	18.10	16.42	15.54	14.76	14.76	16.00	20.69	20.64
1897	27.33	23.31	23.78	24.12	22.21	19.43	17.52	16.78	16.06	14.44	14.77	17.68	19.79
1898	29.60	27.72	30.06	29.65	18.98	18.66	17.51	16.34	15.50	16.00	16.50	20.25	20.60
1899	30.33	28.00	29.69	28.75	22.71	19.53	17.72	16.67	14.95	15.40	15.31	15.56	20.74
1900	27.11	27.80	26.76	28.23	19.80	18.41	18.01	17.06	15.82	16.16	16.33	21.20	21.08
Mean (41 years)	29.61	28.26	27.98	27.28	22.81	20.95	19.19	18.05	17.34	17.18	17.40	21.67	22.31
Mean (50 years, 1871-1900)	28.91	27.76	27.35	27.02	20.56	20.72	18.95	17.74	16.90	16.75	16.86	21.39	21.91

GEOLOGICAL SURVEY OF CANADA

LAKE ONTARIO AT TORONTO

Monthly mean of water levels above the zero of the *Harbour Commission's gauge*, the elevation of which is 122.93 feet above mean tide at New York.

Table compiled by Mr. C. W. Foulsham, Harbour Master, Toronto.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1884	1.67	1.72	1.83	2.06	2.51	2.96	3.33	3.55	3.83	4.12	4.37	4.57	3.75
1885	0.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1886	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1887	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1888	0.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1889	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1890	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1891	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1892	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1893	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1894	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1895	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1896	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1897	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1898	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1899	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
1900	1.67	1.33	1.67	2.33	2.83	3.23	3.55	3.83	4.12	4.37	4.57	4.83	3.75
Mean (17 years)	1.66	1.77	1.89	2.22	2.80	3.28	3.61	3.88	4.18	4.45	4.64	4.83	3.75
Mean (30 years)	1.66	1.77	1.89	2.22	2.80	3.28	3.61	3.88	4.18	4.45	4.64	4.83	3.75
Mean (50 years)	1.66	1.77	1.89	2.22	2.80	3.28	3.61	3.88	4.18	4.45	4.64	4.83	3.75

This elevation is based on a comparison with the gauge readings at Chicago from May 11 to Aug. 31, 1873. During this period the Chicago gauge was read three times a day by the engineers of the U. S. Lake Survey. As the Toronto gauge is usually read to the nearest inch, only the coincidence of the two gauges is shown. The mean for the period, from 1870 to 1900, is 1.66 feet higher than the Chicago gauge. The elevation of the Toronto gauge to be 1.66 feet higher, and that for the higher than the Chicago gauge. A comparison of the yearly means, year by year, however, shows maximum differences that invalidate these results.

ATTITUDES IN CANADA

LAME ONTARIO AT OSWEGO, N. Y.

Monthly mean of water levels above the zero of the United States Engineer gauge. Location of observation was
 Lake Ontario at Oswego, N. Y.
 For the period 1867-1896, from Report of United States Deep Waterways Commission for the
 period 1867-1896, from information furnished by Brig. Gen. John M. Wilson, Chief Engineer, U.S.A.,
 Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1867	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1868	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1869	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1870	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1871	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1872	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1873	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1874	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1875	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1876	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1877	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1878	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1879	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1880	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1881	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1882	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1883	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1884	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1885	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1886	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1887	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1888	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1889	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1890	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1891	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1892	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1893	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1894	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1895	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1896	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1897	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1898	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1899	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
1900	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84
Mean (30 years)	2.96	2.65	2.68	2.91	2.91	2.45	2.70	2.44	2.74	2.65	2.62	2.61	2.84

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LAKE ERIE AT CLEVELAND, OHIO

Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of ISIS).
Elevation of the plane of reference above mean tide at New York, is 57' 1/2 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860.	1 85	2 21	1 81	1 11	0 90	0 93	1 19	1 35	1 69	1 99	2 08	2 24	1 61
1861.	2 50	2 78	2 34	1 30	0 87	0 80	1 05	1 01	1 19	1 42	1 44	1 67	1 53
1862.	1 68	1 97	1 83	0 93	0 63	0 69	0 72	1 10	1 41	1 79	2 15	2 10	1 42
1863.	1 65	1 26	1 42	1 20	1 12	1 26	1 38	1 46	1 85	2 29	2 70	2 73	1 71
1864.	3 02	2 87	2 66	2 16	1 46	1 51	1 77	2 04	2 26	2 57	2 74	2 67	2 31
1865.	3 10	3 68	3 36	2 64	2 06	2 08	2 12	2 20	2 24	2 54	2 92	3 06	2 67
1866.	3 33	3 49	3 10	2 52	2 30	2 04	1 93	2 18	2 24	2 25	2 49	2 48	2 53
1867.	2 77	3 69	2 69	2 37	1 85	1 54	1 73	2 04	2 43	2 77	3 27	3 49	2 50
1868.	3 69	4 67	3 48	2 65	2 26	1 81	1 84	2 26	2 63	3 08	3 24	3 45	2 88
1869.	3 46	3 53	3 05	2 75	2 20	1 81	1 53	1 63	1 90	2 35	2 81	2 46	2 46
1870.	2 22	1 99	2 22	1 57	1 26	1 39	1 35	1 40	1 65	2 03	2 33	2 45	1 83
1871.	2 66	2 99	2 54	2 06	1 79	1 76	1 78	1 99	2 16	2 83	3 01	3 45	2 42
1872.	3 53	3 77	3 86	3 66	3 22	2 85	2 86	2 80	3 12	3 29	3 62	3 85	3 38
1873.	3 95	3 94	3 87	2 59	1 92	1 84	1 86	1 92	2 32	2 62	2 82	2 45	2 67
1874.	2 06	2 01	1 98	1 81	1 72	1 65	1 62	1 78	2 24	2 68	3 10	3 31	2 16
1875.	3 54	3 71	3 57	3 17	2 70	2 27	2 14	2 15	2 29	2 78	2 93	2 71	2 83
1876.	2 75	2 19	1 54	1 02	0 70	0 59	0 70	1 00	1 17	1 70	1 62	1 96	1 41
1877.	(2 36)	2 52	2 75	2 32	2 67	1 99	1 75	1 89	1 97	2 37	2 45	2 37	2 23
1878.	2 29	2 15	2 02	1 60	1 34	1 34	1 34	1 58	1 71	2 06	2 26	2 18	1 82
1879.	2 69	2 74	2 71	2 35	2 29	2 11	2 08	2 30	2 63	2 86	3 33	3 67	2 58
1880.	2 57	2 53	2 39	2 23	1 96	1 83	1 76	2 00	2 23	(2 67)	(2 75)	(3 09)	2 34
1881.	(3 59)	(3 23)	(3 07)	2 37	1 97	1 73	1 78	2 10	2 45	2 50	2 68	2 47	2 00
1882.	2 60	2 60	1 55	1 33	1 13	0 98	1 05	1 19	1 46	1 91	2 23	2 74	1 63
1883.	2 83	2 62	2 43	2 31	1 85	1 15	0 95	1 01	1 32	1 64	2 02	1 99	1 84
1884.	2 32	2 06	1 87	1 32	1 05	0 97	1 19	1 35	1 78	2 11	2 59	2 66	1 77
1885.	2 84	3 05	3 19	2 37	1 64	1 13	1 17	1 16	1 31	1 41	1 53	1 58	1 87
1886.	1 56	2 29	2 48	1 60	1 30	1 20	1 22	1 43	1 67	1 90	2 31	2 26	1 77
1887.	2 49	2 67	1 26	1 24	1 06	1 03	1 27	1 59	1 82	2 41	2 68	2 66	1 80
1888.	2 84	3 11	3 01	2 58	2 13	2 00	1 83	1 95	2 39	2 76	2 70	2 82	2 50
1889.	2 80	2 96	3 12	2 77	2 59	2 16	1 96	2 27	2 66	3 08	3 35	3 69	2 73
1890.	2 73	2 44	2 32	1 83	1 49	1 12	1 58	1 94	2 13	2 32	2 35	2 38	2 06
1891.	2 80	2 82	2 36	2 49	2 67	2 53	2 63	2 90	3 08	3 46	3 90	3 83	2 96
1892.	3 80	4 01	3 97	3 41	2 61	1 85	1 73	2 08	2 40	2 96	3 29	3 56	2 97
1893.	3 94	3 86	3 64	2 91	2 07	1 88	2 16	2 50	2 88	3 23	3 63	3 53	3 02
1894.	3 27	3 39	3 36	2 96	2 57	2 26	2 38	2 75	2 92	3 24	3 48	3 50	3 01
1895.	3 88	4 11	4 10	3 85	3 63	3 54	3 65	3 73	3 83	4 31	4 41	4 25	3 94
1896.	4 15	4 23	4 28	3 83	3 45	3 18	3 30	3 69	3 41	3 65	4 02	3 99	3 71
1897.	4 02	3 82	3 45	2 90	2 57	2 47	2 48	2 64	2 92	3 41	3 54	3 57	3 15
1898.	3 52	3 32	3 66	2 48	2 33	2 30	2 52	2 72	3 10	3 30	3 42	3 59	2 97
1899.	3 44	3 65	3 28	2 98	2 67	2 55	2 65	2 90	3 26	3 50	3 49	3 77	3 18
1900.	3 75	3 34	3 19	2 88	2 72	2 64	2 77	2 80	3 12	3 36	3 62	3 66	3 17
Mean (41 years)	2 33	2 98	2 75	2 30	1 99	1 78	1 82	2 01	2 30	2 62	2 86	2 91	2 43
Mean (30 years, 1871-1900)	3 05	3 04	2 87	2 44	2 09	1 90	1 94	2 12	2 43	2 74	2 97	3 02	2 55

NOTE.—Interpolated monthly means are indicated by parentheses, and are found for any year by taking the corresponding monthly means at Erie, Pa., and correcting the same by the average difference between the observed monthly means at Cleveland for that year and the corresponding observed monthly means at Erie, Pa.

LAKE HURON, AT POINT AUX BARQUES, PORT AUSTIN, AND SAND BEACH, MICH.,
LAKE MICHIGAN AT MILWAUKEE, WIS.

Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of 1838).
The Lake Michigan record was used only from 1865 to 1870, inclusive, when there was no record kept on Lake Huron. Elevation of the plane of reference above mean tide at New York, is 53;26 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U. S. A., Washington, D. C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860	2.02	2.07	1.93	1.96	1.91	1.67	1.58	1.66	1.85	2.23	2.35	2.63	1.99
1861	2.86	2.82	2.68	2.48	1.86	1.52	1.40	1.29	1.37	1.59	1.90	2.03	1.98
1862	2.41	2.42	2.51	2.30	1.93	1.81	1.76	1.78	2.00	1.72	2.04	2.33	2.08
1863	2.49	2.64	2.69	2.62	2.36	2.17	2.26	2.25	2.39	2.65	2.69	2.92	2.51
1864	3.06	3.10	3.10	2.90	2.47	2.46	2.51	2.62	2.94	(3.47)	(3.64)	(3.77)	3.00
1865	4.13	4.04	3.87	3.38	3.22	3.18	2.75	2.73	2.85	3.60	3.65	3.93	3.40
1866	4.22	4.46	4.41	3.96	3.78	3.49	3.23	3.17	3.32	3.43	3.52	3.78	3.73
1867	3.80	3.75	3.57	3.28	3.06	2.75	2.60	2.67	2.94	3.27	3.73	4.08	3.29
1868	4.24	4.28	3.60	3.70	3.42	3.21	3.18	3.52	3.76	3.99	4.06	4.34	3.78
1869	4.44	4.27	4.63	4.26	3.93	3.49	3.62	2.76	2.87	3.23	3.35	3.63	3.66
1870	3.57	3.48	3.18	2.76	2.42	2.28	2.17	2.26	2.12	2.52	2.92	3.27	2.75
1871	(2.83)	(2.91)	(2.31)	(2.11)	(1.76)	(1.72)	(1.69)	2.29	2.61	3.11	3.32	3.60	2.53
1872	3.86	4.06	(4.17)	4.14	3.74	3.34	3.24	3.27	3.57	3.49	3.79	4.08	3.71
1873	4.25	4.28	4.21	3.80	3.30	2.90	2.70	2.69	2.86	2.89	2.99	3.15	3.34
1874	3.13	2.99	2.85	3.00	2.95	2.61	2.45	2.56	2.72	2.96	3.25	3.48	2.91
1875	3.69	3.75	3.71	3.52	3.17	2.86	2.67	2.60	2.66	2.85	2.96	3.23	3.15
1876	3.11	3.13	3.00	2.72	2.12	1.63	1.19	1.25	1.36	1.76	1.91	2.10	2.11
1877	2.39	2.40	2.47	2.39	2.22	2.25	2.08	2.18	2.45	2.59	2.64	2.69	2.40
1878	2.79	2.96	2.79	2.86	2.46	2.29	2.25	2.35	2.64	2.63	2.82	3.02	2.66
1879	3.32	3.56	3.60	3.57	3.44	3.30	3.26	3.39	3.47	3.71	3.83	3.85	3.53
1880	3.80	3.86	3.87	3.86	3.46	2.97	2.66	2.77	2.88	3.24	3.36	3.56	3.36
1881	3.69	3.30	3.29	3.27	2.95	2.78	2.63	2.80	2.96	2.71	2.58	2.75	2.98
1882	2.96	3.13	2.99	2.77	2.60	2.37	2.23	2.17	2.29	2.52	2.77	2.99	2.64
1883	3.12	3.17	3.13	3.12	2.55	2.13	1.65	1.45	1.77	2.10	1.99	2.10	2.36
1884	2.29	2.44	2.40	2.69	1.87	1.81	1.71	1.85	2.20	2.04	2.29	2.65	2.15
1885	2.58	2.47	2.47	2.36	1.96	1.67	1.61	1.46	1.56	1.79	1.98	2.18	1.99
1886	2.18	2.11	1.92	1.63	1.36	1.21	1.37	1.52	1.70	1.83	2.10	2.42	1.77
1887	2.59	2.40	2.19	2.28	2.08	1.96	1.88	2.09	2.44	2.66	3.11	3.40	2.42
1888	3.51	3.60	3.43	3.29	2.85	2.55	2.52	2.48	2.78	3.07	3.25	3.46	3.07
1889	3.60	3.68	3.70	3.77	3.63	3.30	3.04	3.10	3.27	3.64	3.98	4.14	3.57
1890	4.07	4.19	4.21	4.07	3.76	3.33	3.11	3.14	3.41	3.62	3.82	4.12	3.74
1891	4.32	4.43	4.46	4.13	3.89	3.94	3.91	4.01	4.20	4.57	4.88	4.94	4.31
1892	4.92	4.98	4.92	4.84	4.71	4.18	3.89	3.81	3.98	4.19	4.52	4.76	4.48
1893	5.01	5.06	4.98	4.60	3.97	3.22	3.50	3.64	3.93	4.14	4.37	4.57	4.25
1894	4.82	4.64	4.46	4.23	3.83	3.53	3.38	3.65	3.84	4.08	4.14	4.37	4.09
1895	4.82	4.94	4.93	4.83	4.66	4.59	4.62	4.71	4.81	5.13	5.55	5.76	4.95
1896	5.69	5.57	5.67	5.64	5.24	4.87	4.81	4.77	4.95	5.15	5.29	5.41	5.25
1897	5.33	5.42	5.28	4.94	4.37	4.15	3.95	3.94	4.20	4.55	4.67	4.97	4.65
1898	5.12	5.06	4.83	4.34	4.22	4.06	3.96	4.07	4.26	4.57	4.65	4.84	4.50
1899	5.16	5.24	5.09	4.92	4.38	3.99	3.79	3.79	3.99	4.40	4.54	4.73	4.49
1900	4.96	4.95	4.92	4.80	4.65	4.48	4.23	4.14	4.06	4.12	4.12	4.32	4.48
Mean (41 years)	3.68	3.71	3.62	3.45	3.13	2.88	2.74	2.80	2.97	3.20	3.46	3.62	3.27
Mean (30 years, 1871-1900)	3.78	3.82	3.74	3.60	3.27	3.00	2.86	2.93	3.12	2.33	3.52	3.72	3.40

a Point aux Barques, Mich. b Milwaukee, Wis. c Port Austin, Mich. d Sand Beach, Mich.

NOTE.—Interpolated monthly means are indicated by parentheses, and are found for any year by taking the corresponding monthly means at Milwaukee, Wis., and correcting the same by the average difference between the observed monthly means at Point aux Barques or Port Austin for that year and the corresponding observed monthly means at Milwaukee, Wis.

* Sanitary Canal at Chicago opened 17th January, 1900. Average discharge, January, 1901, 230,000 cubic feet per minute.

LAKE SUPERIOR, AT SUPERIOR, WIS., AND MARQUETTE, MICH.

Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of 1848).
Elevation of plane of reference above mean tide at New York, is 933.65 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860a	(2.77)	(3.02)	(3.02)	2.52	2.29	2.12	2.16	2.11	2.13	2.09	2.26	(2.62)	2.43
1861a	(2.73)	3.06	3.20	2.70	2.16	2.01	1.85	1.89	1.98	1.65	2.21	(2.67)	2.38
1862a	3.02	3.21	3.18	3.12	2.44	2.45	2.48	2.31	2.19	2.26	2.59	2.86	2.68
1863a	3.05	3.18	3.35	3.31	3.18	3.26	3.12	2.50	2.48	2.65	3.09	3.11	3.02
1864a	3.49	3.61	3.54	3.52	3.39	3.21	3.12	3.11	2.96	3.22	3.41	3.56	3.34
1865a	3.74	3.75	3.88	3.44	2.95	2.54	2.22	2.14	2.13	2.34	2.87	3.18	2.93
1866a	3.47	3.68	3.68	3.25	2.98	2.79	2.50	2.27	2.54	2.52	2.85	2.74	3.04
1867a	3.01	3.12	3.31	3.09	3.09	2.49	2.16	2.28	2.30	2.22	2.65	2.97	2.72
1868a	3.13	3.72	3.36	3.17	2.77	2.86	2.64	2.72	2.59	2.62	2.46	2.86	2.91
1869a	3.11	3.35	3.80	3.22	2.82	2.81	2.44	1.98	1.13	1.65	1.99	2.64	2.58
1870a	2.89	3.10	3.09	2.99	2.66	2.85	2.66	2.49	2.65	2.83	3.76	2.89	2.89
1871a	3.85	4.45	4.03	3.53	3.06	2.88	2.81	2.75	2.65	2.72	2.79	3.53	3.25
1872a	3.85	3.96	4.08	4.18	3.53	3.15	2.88	2.71	2.55	2.65	2.80	3.10	3.29
1873a	3.20	(3.65)	(3.62)	(3.61)	3.01	2.71	2.42	2.24	2.18	2.28	2.42	2.72	2.84
1874a	(3.17)	3.19	3.23	3.13	3.06	2.86	2.48	2.39	2.29	2.23	2.41	2.72	2.76
1875a	3.04	3.08	3.04	3.04	2.82	2.46	2.47	2.38	2.15	2.39	2.44	2.64	2.65
1876a	2.84	3.05	3.14	3.11	2.57	1.89	1.50	1.29	1.50	1.83	1.93	2.27	2.26
1877a	2.63	2.87	3.13	3.21	3.22	3.00	2.62	2.56	2.72	2.72	2.93	3.00	2.88
1878a	3.12	3.00	3.77	3.80	3.53	3.25	3.18	3.30	3.47	3.40	3.60	3.92	3.45
1879a	(3.82)	3.86	3.56	3.95	4.31	4.08	3.84	3.72	3.83	3.74	3.82	(4.12)	3.89
1880a	(4.44)	(4.48)	(4.57)	(4.54)	(3.85)	3.02	2.47	2.88	2.88	2.93	2.99	3.25	3.56
1881a	3.51	3.61	3.70	3.79	3.49	3.05	2.99	2.94	2.71	2.37	2.44	2.72	3.11
1882a	3.67	3.32	3.43	3.51	3.35	3.33	2.28	2.76	2.72	2.29	2.91	3.10	3.11
1883a	3.33	3.62	3.62	3.37	3.36	3.26	3.01	2.99	3.03	3.23	3.38	3.49	3.31
1884a	(3.56)	(3.59)	(3.71)	4.00	3.78	3.58	3.44	3.43	3.16	2.80	2.90	3.11	3.42
1885a	3.24	3.52	3.60	3.65	3.32	3.04	2.80	2.68	2.75	2.92	3.07	3.40	3.17
1886a	3.60	3.73	3.79	3.70	3.45	3.31	3.24	3.33	3.35	3.25	3.40	3.54	3.47
1887a	3.85	3.83	3.52	3.35	3.56	3.40	3.12	3.04	3.18	3.25	3.49	3.71	3.44
1888a	3.82	3.81	3.88	3.88	3.41	2.63	2.44	2.30	2.35	2.44	2.58	2.95	3.04
1889a	3.25	3.47	3.64	3.63	3.28	3.16	2.97	2.78	2.65	2.81	3.12	3.42	3.18
1890a	3.56	3.69	3.93	3.96	3.75	3.30	3.09	2.85	2.72	2.75	2.96	3.32	3.32
1891a	3.68	3.81	3.85	3.89	3.69	3.64	3.44	(3.37)	(3.45)	(3.58)	(3.49)	3.90	3.63
1892a	3.90	4.18	4.31	4.30	3.97	3.59	3.56	3.44	3.39	3.49	3.66	3.94	3.81
1893a	4.22	4.31	4.26	4.16	3.66	2.74	2.84	2.78	2.87	2.90	3.06	3.29	3.46
1894a	3.47	3.65	3.56	3.41	2.63	2.41	2.35	2.22	2.30	2.28	2.35	2.52	2.76
1895a	2.82	3.04	3.21	3.31	2.94	2.62	2.42	2.37	2.23	2.18	2.47	2.80	2.70
1896a	3.00	3.20	3.40	3.31	2.66	2.28	2.22	2.20	2.37	2.69	2.62	2.77	2.73
1897a	2.93	3.16	3.24	3.21	2.87	2.54	2.24	2.12	2.18	2.38	2.68	3.11	2.72
1898a	3.49	3.67	3.86	3.86	3.62	3.14	2.73	2.60	2.50	2.56	2.76	2.99	3.15
1899a	3.36	3.56	3.53	3.53	3.56	2.85	2.85	1.97	1.81	2.06	2.11	2.32	2.63
1900a	2.69	2.87	3.09	3.19	3.02	2.96	2.74	2.38	1.86	1.78	1.81	2.19	2.55
Mean (41 years)	3.34	3.51	3.58	3.50	3.19	2.93	2.71	2.60	2.58	2.61	2.79	3.09	3.03
Mean (39 years, 1871-1900)	3.42	3.57	3.65	3.64	3.35	3.02	2.79	2.69	2.69	2.71	2.85	3.13	3.12

a Superior, Wis. b Marquette, Mich.

NOTE.—Interpolated monthly means are indicated by parentheses, and for the Superior, Wis., record are found for any year by taking the mean of the monthly means for each month in the ten-year series, 1862 to 1871, and correcting the same by the average difference between the observed monthly means for that year, and the corresponding means of the monthly means in the ten-year series. This method was adopted because there are no corresponding records at other places.

* There is an uncertainty of 0.4 foot in the elevation of the zero of the gauge at Superior, Wis., for the years 1860-1871 (see Report Chief of Engineers, U.S.A., 1873, pp 157, 159), and the possible alternative would make the water surface 0.4 foot lower than is given in above table. (From letter of Major Clinton B. Sears, Corps of Engineers, U.S.A., dated June 30, 1896.)

The Superior, Wis., record here used is that finally adopted by the United States Lake Survey in 1876. Interpolated monthly means, indicated by parentheses, for the Marquette record are found for any year by taking the corresponding monthly means at Sault Ste. Marie, Mich., and correcting the same by the average difference between the observed monthly means at Marquette for that year and the corresponding observed monthly means at Sault Ste. Marie, Mich.

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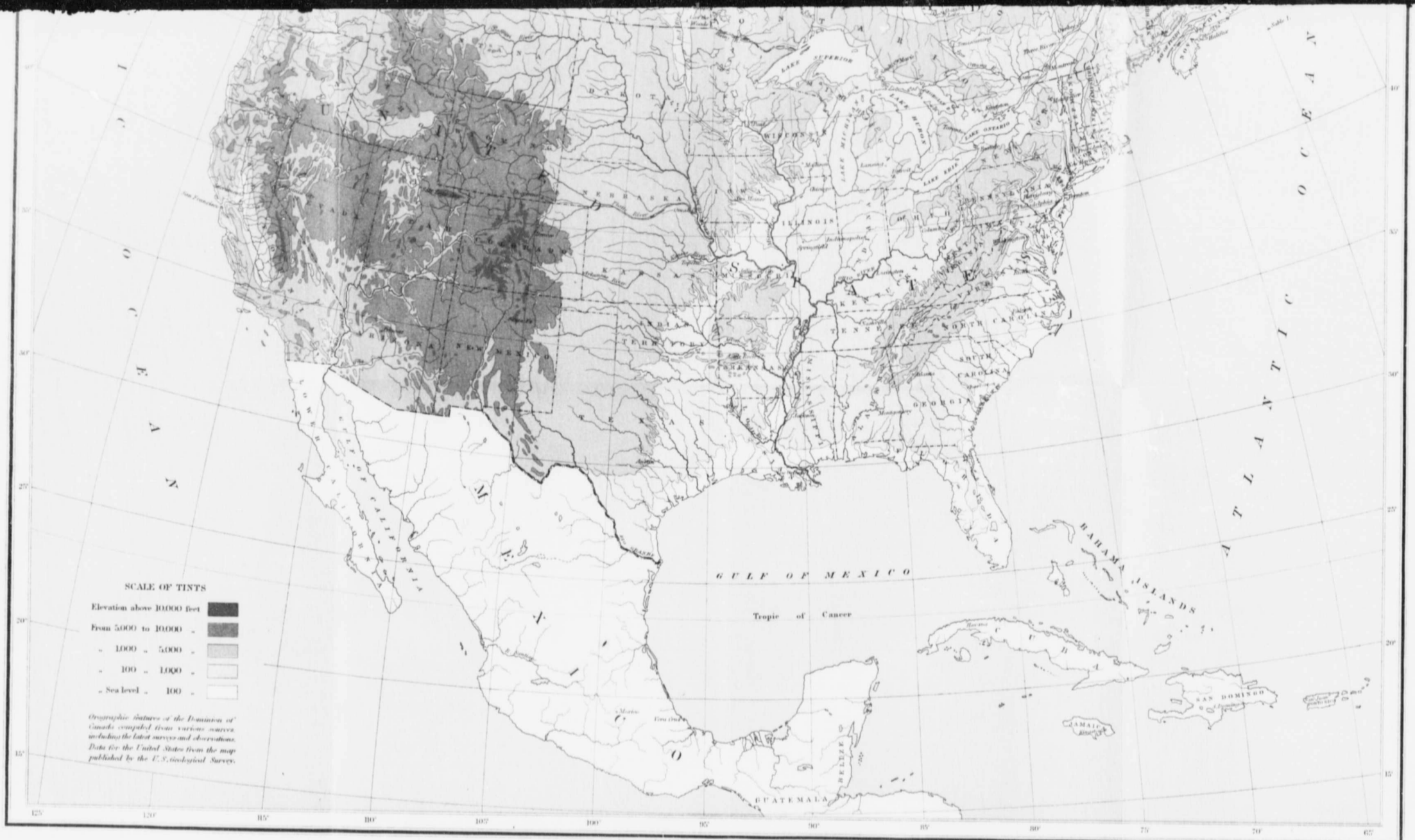
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28.



C. O. Smead, B.A.Sc., Chief Draftsman

RELIEF MAP OF CANADA AND THE UNITED STATES

Scale of statute miles

Compilation of Orography

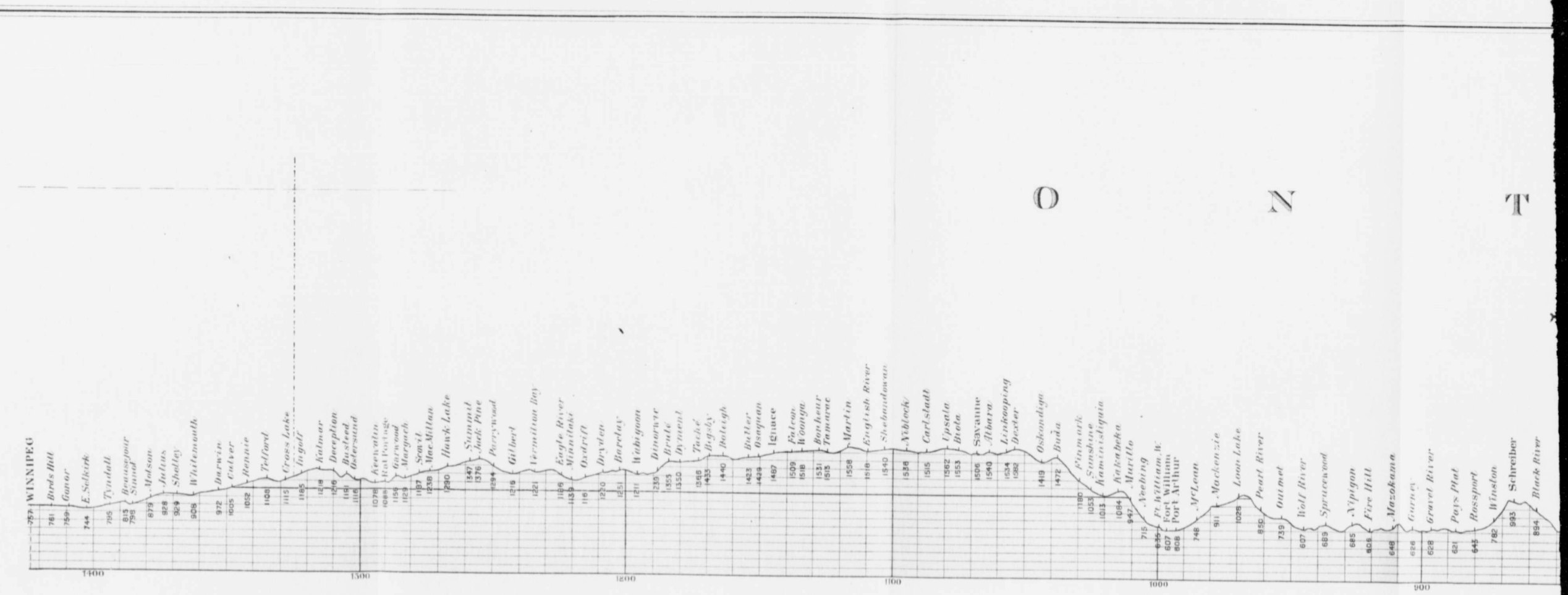
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SHEET 1.

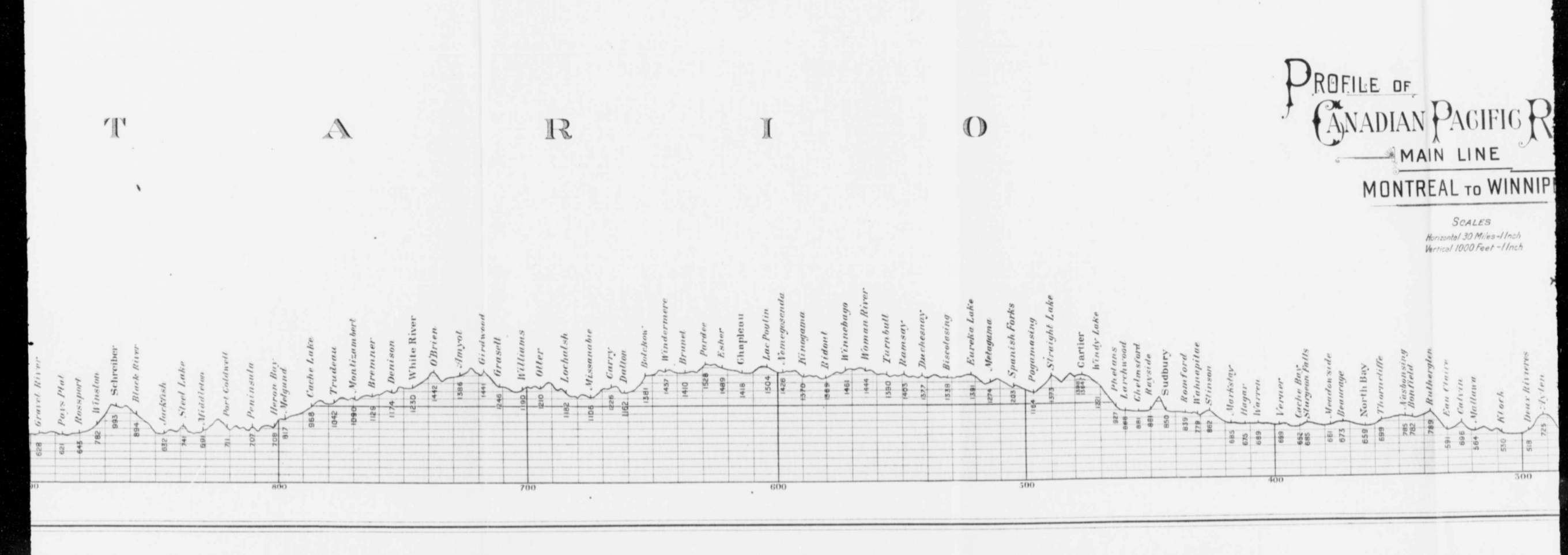
PROFILE OF

Canadian Pacific Railway—Montreal to Winnipeg.

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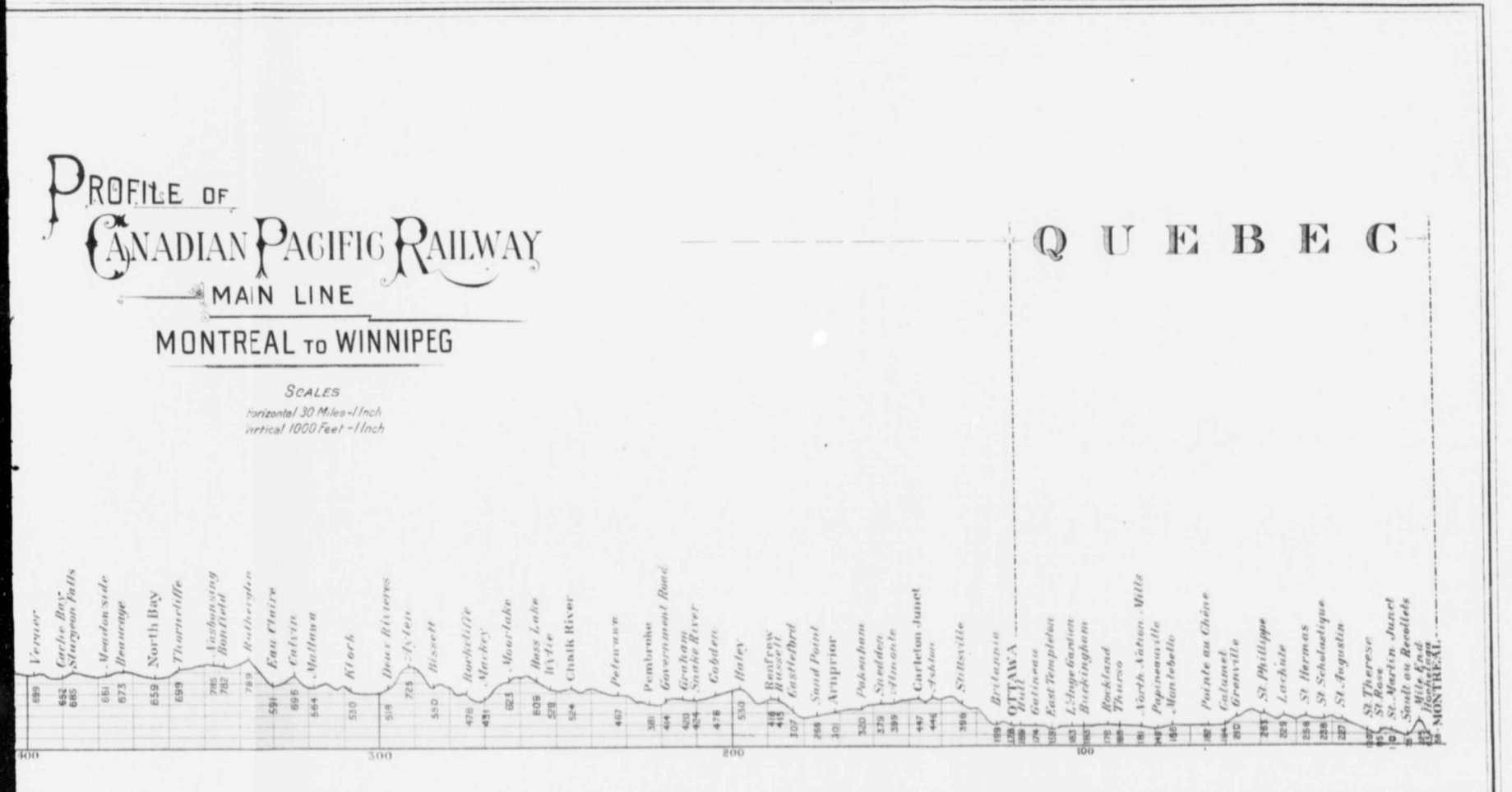
T A R I O



PROFILE OF
CANADIAN PACIFIC RAILWAY
MAIN LINE
MONTREAL TO WINNIPEG

SCALES
Horizontal 30 Miles-Inch
Vertical 1000 Feet-Inch

Q U E B E C



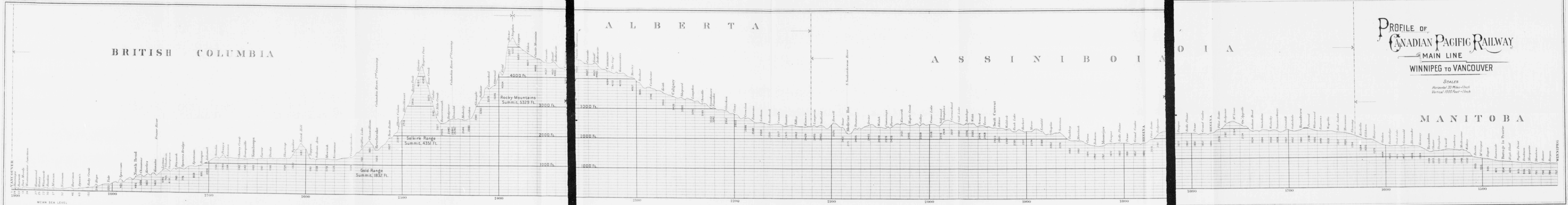
PROFILE OF
CANADIAN PACIFIC RAILWAY
MAIN LINE
MONTREAL TO WINNIPEG

SCALES
Horizontal 30 Miles-Inch
Vertical 1000 Feet-Inch

SHEET 2.

PROFILE OF

Canadian Pacific Railway—Winnipeg to Vancouver.



Accompanying Report on Altitudes in the Dominion of Canada, by James White, F.R.G.S., Geographer, Dep^t of Interior.

SHEET 3

PROFILE OF

Canadian Pacific Railway,

Old location *via* Yellowhead Pass.

BRITISH COLUMBIA

ALBERTA

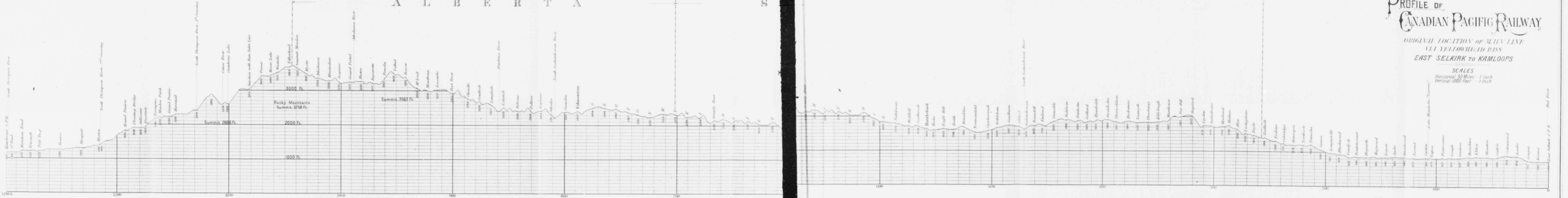
SASKATCHEWAN

MANITOBA

PROFILE OF CANADIAN PACIFIC RAILWAY

ORIGINAL LOCATION OF MAIN LINE
VIA YELLOWHEAD PASS
EAST SELKIRK TO KAMLOOPS

SCALES
Horizontal 30 Miles = 1 Inch
Vertical 1000 Feet = 1 Inch



Accompanying Report on Altitudes in the Dominion of Canada,
by James White, F.R.G.S., Geographer, Dep't of Interior.

SHEET 4.

PROFILE OF

River St. Lawrence and the Great Lakes.

