

DEPARTMENT OF THE INTERIOR

BULLETIN

OF THE

UNITED STATES

GEOLOGICAL SURVEY

No. 6

ELEVATIONS IN THE DOMINION OF CANADA

WASHINGTON
GOVERNMENT PRINTING OFFICE
1884

ADVERTISEMENT.

(Bulletin 6.)

The publications of the United States Geological Survey are issued in accordance with the statute, approved March 3, 1879, which declares that—

"The publications of the Geological Survey shall consist of the annual report of operations, geological and economic maps illustrating the resources and classifications of the lands, and reports upon general and economic geology and paleontology. The annual report of operations of the Geological Survey shall accompany the annual report of the Secretary of the Interior. All special memoirs and reports of said Survey shall be issued in uniform quarto series if deemed necessary by the Director, but otherwise in ordinary octavos. Three thousand copies of each shall be published for scientific exchanges and for sale at the price of publication; and all literary and cartographic materials received in exchange shall be the property of the United States and form a part of the library of the organization. And the money resulting from the sale of such publications shall be covered into the Treasury of the United States."

ANNUAL REPORTS.

From the above it will be seen that only the Annual Reports, which form parts of the reports of the Secretary of the Interior and are printed as executive documents, are available for gratuitous distribution. A number of these are furnished the Survey for its exchange list, but the bulk of them are supplied directly, through the document rooms of Congress, to members of the Senate and House. Except, therefore, in those cases in which an extra number is supplied to this office by special resolution, application must be made to members of Congress for the Annual Reports, as for all other executive documents.

Of these Annuals there have been already published:

I. First Annual Report to the Hon. Carl Schurz, by Clarence King. 1880. 8°. 79 pp. 1 map.—A preliminary report describing plan of organization and publications.

II. Report of the Director of the United States Geological Survey for 1880-'81, by J. W. Powell. 1882. 8°. lv, 588 pp. 61 pl. 1 map.

III. Third Annual Report of the United States Geological Survey, 1881-'82, by J. W. Powell. 1883. 8°. xviii, 564 pp. 67 pl. and maps.

IV. Fourth Annual Report of the United States Geological Survey, 1882-'83, by J. W. Powell. 1884. 8°. xii, 473 pp. 85 pl. and maps.

No copies of the Fourth Annual have as yet been ordered by Congress for distribution by the Geological Survey.

MONOGRAPHS.

The Monographs of the Survey are printed for the Survey alone, and can be distributed by it only through a fair exchange for books needed in its library, or through the sale of those copies over and above the number needed for such exchange. They are not for gratuitous distribution.

So far as already determined upon, the list of these Monographs is as follows:

I. The Precious Metals, by Clarence King. In preparation.

II. Tertiary History of the Grand Cañon District, with atlas, by Capt. C. E. Dutton. Published.

III. Geology of the Comstock Lode and Washoe District, with atlas, by George F. Becker. Published.

IV. Comstock Mining and Miners, by Eliot Lord. In press.

V. Copper-bearing Rocks of Lake Superior, by Prof. R. D. Irving. In press.

VI. Older Mesozoic Flora of Virginia, by Prof. William M. Fontaine. In press.

VII. Silver-lead Deposits of Eureka, Nevada, by Joseph S. Curtis. In press.

VIII. Paleontology of the Eureka District, Nevada, by Charles D. Walcott. In press.

Geology and Mining Industry of Leadville, with atlas, by S. F. Emmons. In preparation.

Geology of the Eureka Mining District, Nevada, with atlas, by Arnold Hague. In preparation.

Coal of the United States, by Prof. R. Pumpelly. In preparation.

Iron in the United States, by Prof. R. Pumpelly. In preparation.

Lesser Metals and General Mining Resources, by Prof. R. Pumpelly. In preparation.

Lake Bonneville, by G. K. Gilbert. In preparation.

Dinocerata. A monograph on an extinct order of Ungulates, by Prof. O. C. Marsh. In press.

Sauropoda, by Prof. O. C. Marsh. In preparation.

Stegosauria, by Prof. O. C. Marsh. In preparation.

Of these Monographs, Nos. II, III, and IV are now published, viz:

ADVERTISEMENT.

II. Tertiary History of the Grand Cañon District, with atlas, by C. E. Dutton, Capt. U. S. A. 1882. 4°. 264 pp., 42 pl. and atlas of 26 double sheets folio. Price \$10.12.

III. Geology of the Comstock Lode and Washoe District, with atlas, by George F. Becker. 1882. 4°. 422 pp. 7 pl. and atlas of 21 sheets folio. Price \$11.

IV. Comstock Mining and Miners, by Eliot Lord, 1883. 4°. 451 pp. 3 pl. Price \$1.50.

Nos. V, VI, VII, and VIII are in press and will appear in quick succession. The others, to which numbers are not assigned are in preparation.

BULLETINS.

The Bulletins of the Survey will contain such papers relating to the general purpose of its work as do not properly come under the heads of ANNUAL REPORTS or MONOGRAPHS.

Each of these Bulletins will contain but one paper and be complete in itself. They will, however be numbered in a continuous series, and will in time be united into volumes of convenient size. To facilitate this each Bulletin will have two paginations, one proper to itself and another which belongs to it as part of the volume.

Of this series of Bulletins, Nos. 1, 2, 3, 4, 5, and 6 are already published, viz:

1. On Hypersthene-Andesite and on Triclinic Pyroxene in Augitic Rocks, by Whitman Cross, with a Geological Sketch of Buffalo Peaks, Colorado, by S. F. Emmons. 1883. 8°. 42 pp. 2 pl. Price 10 cents.

2. Gold and Silver Conversion Tables, giving the coining value of Troy ounces of fine metal, &c., by Albert Williams, jr. 1883. 8°. 2 p. l. 8 pp. Price 5 cents.

3. On the Fossil Faunas of the Upper Devonian, along the meridian of 76° 30', from Tompkins County, New York, to Bradford County, Pennsylvania, by Henry S. Williams. 1884. 8°. 31 pp. Price 5 cents.

4. On Mesozoic Fossils, by Charles A. White. 1884. 8°. 36 pp. 9 pl. Price 5 cents.

5. A Dictionary of Altitudes in the United States, by Henry Gannett. 1884. 8°. 325 pp. Price 20 cents.

6. Elevations in Canada, by J. W. Spencer, 1884. 8°. — pp. Price 5 cents.

Nos. 7 and 8 are in press.

STATISTICAL PAPERS.

A fourth series of publications having special reference to the mineral resources of the United States is contemplated. Of that series the first has been published, viz: Mineral Resources of the United States, by Albert Williams, jr. 1883. 8°. xvii, 813 pp. Price 50 cents.

Correspondence relating to the publications of the Survey, and all remittances—which must be by postal note or money order—should be addressed to the

DIRECTOR OF THE UNITED STATES GEOLOGICAL SURVEY,

Washington, D. C.

WASHINGTON, D. C., June 15, 1884.

DEPARTMENT OF THE INTERIOR

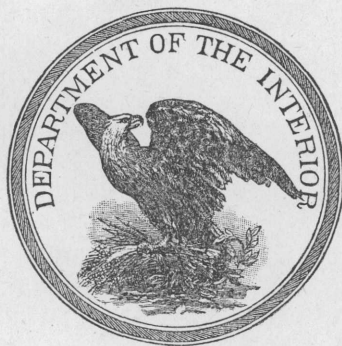
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J. W. POWELL DIRECTOR

ELEVATIONS

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DOMINION OF CANADA

BY

J. W. SPENCER



WASHINGTON
GOVERNMENT PRINTING OFFICE
1884

LETTER OF TRANSMITTAL.

COLUMBIA, Mo., *January*, 1884.

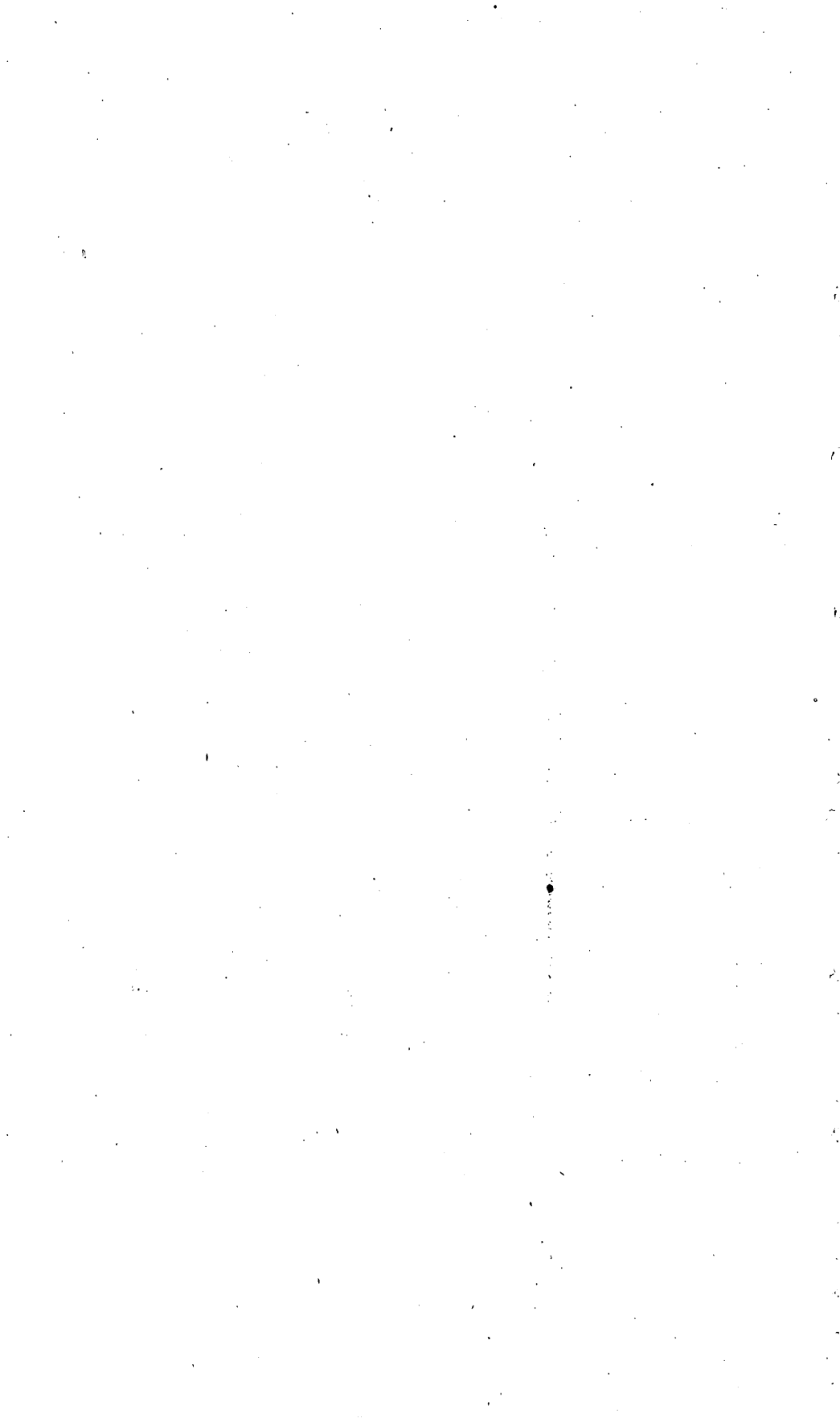
SIR: I have the honor herewith of transmitting to you, for publication, almost all of the more important elevations in the provinces of Ontario and Quebec, in Canada, which have been ascertained by railway and canal surveys, completed at the close of the year 1882. Especially in the region between the Great Lakes is the record nearly complete.

I have the honor, sir, to be your obedient servant,

J. W. SPENCER.

Hon. J. W. POWELL,

Director of the United States Geological Survey.



PREFACE.

The knowledge of accurate levels in the study of many geological problems is growing to be as necessary as the balance has been in chemical science. In my various studies of the "Geology of the Region about the Western End of Lake Ontario," the necessity of having accurate altitudes compelled me to collect many railway levels, and often to ascertain the altitudes of other points myself. The result was that between 1876 and 1882 I had collected, with much trouble, the altitudes of all the railroads whose profiles were in existence. Owing to the fact that many of the smaller roads had been constructed independently, and subsequently united with larger organizations, it not infrequently happened that their profiles were buried away in some obscure office, or even altogether lost.

The elevation of Lake Erie above Lake Ontario, by the levels of the Welland Canal, is 326.75 feet. The United States Lake Survey's determination of the height of Lake Erie above mean ocean level is 572.86 feet. Subtracting the one from the other, the elevation of Lake Ontario above mean ocean level would be 246.11 feet. The elevation of Lake Ontario, given by the United States Lake Survey, is 246.61 feet above mean ocean level.

The Canadian survey levels have been referred to either Lake Ontario, to Lake Erie, or to Lake Saint Peter. The latter is an expansion of the Saint Lawrence River, to which high tide reaches, and its mean level is 11 feet above the mean level of the ocean.

Since these tables were compiled in 1882, the Grand Trunk Railway Company has absorbed the Great Western Railway and most of the other Canadian lines, but their original names are everywhere retained as divisions or branches of the Grand Trunk Railway.

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ELEVATIONS IN THE DOMINION OF CANADA.

BY J. W. SPENCER.

RAILROAD PROFILES.

GREAT WESTERN RAILWAY, MAIN LINE.

Distance from Niag- ara Falls.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
		<i>Feet.</i>	<i>Feet.</i>
	Niagara River:		
	East side of cañon	300	547
	West side of cañon	308	555
0.00	Niagara Falls, Ontario	326	573
2.84	Track	362	609
2.84	Summit (sand and gravel)	386	633
324.84	St. David's valley, track over	292	539
9.19	Meritton	143	390
9.39	Welland canal crossing	142	389
10.61	.....	120	367
10.70	Bed of creek	20	267
11.10	St. Catharine's	110	357
14.26	Bed of Fifteen-Mile creek	00	247
15.34	Sixteen-Mile creek	-4	243
15.45	.....	65	312
16.95	Jordan station	64	311
17.23	Twenty-Mile creek, bed	-8	239
22.69	Beamsville station	47	294
26.60	Grimsby station	40	287
31.72	Winona station	38	255
37.22	Stony Creek station	28	275
43.33	Hamilton station	8	255
45.02	Toronto Branch junction	58	305
49.00	Mile post	234	481
49.41	Summit of gravel ridge (original surface)	308	555
	Spencer's creek:		
49.53	Bed	160	407
49.53	Track	260	507
49.73	Dundas station	270	517
51.70	Flamboro' station (old)	368	615
53.75	Summit of drift hills	520	767
54.73	Copetown station	502	749
54.92	Bed of Elliot's pond	475	722
59.09	Lynden station	504	751
61.84	Bed of valley	415	662
	Harrisburg station:		
62.25	Track	487	734
62.25	Original ground	504	751
64.01	Fairchild's creek, bridge	480	727
64.01	Do. do. bed	420	667
67.23	.....	595	842

Great Western, main line—Continued.

Distance from Niag- ara Falls.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
	Grand river:		
69.50	East side	577	824
69.92	Bed	495	742
72.06	West side	577	824
74.90	Paris station	595	842
75.19	.....	610	857
75.23	Bed of valley of Nith's creek	550	797
	.....	620	867
78.98	Princeton station	685	932
79.92	Horner's Creek, bed	635	882
84.00	Governor's Road, siding	720	967
86.27	Eastwood station	726	973
87.69	Summit	775	1,022
90.72	Woodstock station	710	957
95.55	Beechville station	660	907
100.00	Ingersoll station	632	879
109.66	Dorchester station	605	852
119.28	London, Richmond street	559	806
	Thames River:		
119.50	East side	553	800
	Bed	507	754
119.73	West side	560	807
	Cove of Thames:		
120.17	East side	550	797
120.64	Bottom	505	752
122.82	West side	680	927
129.17	Komoka station	564	811
139.96	Longwood station	505	752
142.50	Canada Southern railroad crossing		
144.89	Oppin station	496	743
149.62	Glencoe station	483	730
155.87	Newbury station	455	702
160.70	Bothwell station	444	691
169.51	Thamesville bridge	376	623
169.51	bed of river	340	587
174.34	Lewisville station	368	615
183.33	Chatham station	351	598
198.11	Baptist Creek station	348	595
202.84	Stoney Point station	340	587
211.66	Bell river, bed	320	567
220.81	Tecumseh station	343	590
228.82	Windsor station	335	582

GREAT WESTERN RAILWAY—TORONTO BRANCH.

Distance from Hamil- ton Station.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Hamilton station	8	255
1.62	Toronto junction	58	305
2.15	Track over old outlet of Dundas marsh	82	329
2.15	Piles driven in marsh to below lake Ontario	40	207
4.08	Waterdown station, ground	98	345
4.57	Lake Terrace (Ballast Hill)	118	365
7.02	Burlington station	93	340

Toronto branch—Continued.

Distance from Hamil- ton Station.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
12.94	Twelve-Mile creek:		
12.94	Track	98	345
13.50	Bed of creek	29	276
17.07	Bronté station	99	346
17.51	Bed of creek	6	253
20.62	Oakville station	93	340
	.....	104	351
24.46	Credit valley:		
	South side	36	283
	Piles driven to	—20	227
25.88	North side	34	281
29.30	Track	55	312
29.30	Bed of valley	10	257
32.19	Mimico station	60	307
32.69	Mimico river, bed	—2	245
39.00	Toronto station	8	255

G. W. R.—BRANTFORD AND TILSONBURG LINE.

Distance from Harris- burg junc- tion.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Harrisburg junction	487	734
0.75	Fairchild's creek, bed	412	659
7.31	G. T. R. crossing	439	686
	Brantford:		
8.14	Bridge over Grand river	412	659
8.14	Bed of Grand river	398	645
12.60	Mount Pleasant station	563	810
15.57	Mount Vernon station	592	839
17.30	Burford station	597	844
21.00	Harley station	590	837
28.08	Norwich station	597	844
34.90	Springford station	575	822
	Tilsonburg:		
39.12	Canada Southern railway crossing	550	797
40.25	Station	538?	785
42.75	Junction		

G. W. R.—SARNIA BRANCH.

Distance from Lon- don.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	London station	559	806
4.22	Hyde Park junction	639	886
10.00	Komoka junction	575	822

Sarnia branch—Continued.

Distance from Lon- don.	Localities.	Elevation above Lake Ontario.	Elevation above mean time.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
20.23	Strathroy station	500	747
	Do. Sydenham river, bed	475	722
33.38	Watford station	540	787
41.81	Wanstead station	455	702
45.38	Wyoming station	465	712
51.10	Mandamin station	400	647
60.89	Sarnia (near lake Huron)	342	589

G. W. R.—LONDON AND PORT STANLEY BRANCH.

Distance from Port Stanley.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Port Stanley, level of lake Erie	327	574
3.70	.....	443	690
4.55	Kettle Creek bridge	488	735
7.87	Saint Thomas station	511	758
16.18	Summit of track	673	920
23.58	London	567	814

G. W. R.—LONDON, HURON AND BRUCE BRANCH.

Distance from Lon- don.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	London (Richmond st.)	559	806
4.22	Hyde Park junction	639	886
11.22	Ilderton station	690	937
15.58	Brecon station	653	900
19.22	Au Sable river, track	624	871
	Do. do. bed	598	845
20.69	Clandeboy station	641	888
26.50	Centralia station	620	867
31.11	Exeter station	628	875
37.17	Hensall station	652	899
43.23	Brucefield station	643	890
50.06	Clinton station	672	919
56.20	Maitland river, bed	695	942
56.86	Londesborough station	727	974
60.80	Blyth station	834	1,081
62.55	Summit	877	1,124
67.23	Belgrave station	815	1,062
72.06	Bed of valley	765	1,012
74.00	Wingham station	834	1,081

London, Huron and Bruce branch—Continued.

Distance from Glen- coe junc- tion.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Glencoe junction	48.	728
	Thames river:		
11.70	Track	453	700
11.70	Bed	383	630
15.20	Lawrence (near)	495	742
	Kettle creek:		
26.75	Bridge	500	747
	Bed of	420	667
28.00	St. Thomas (near)	520	767
37.75	Aylmer (near)	514	761
46.20	Corinth station	520	767
52.00	Otter creek, bed of	404	651
53.25	Tilsonburg (near)	538	785
56.50	Cortland (near)	529	776
	Big Creek:		
63.00	Track	515	762
63.00	Bed of	424	671
64.25	Delhi (near)	548	795
73.00	Simcoe station	472	719
83.50	Jarvis station	454	701
92.00	.....	468	715
96.60	Grand river bridge, near Cayuga station	368	615
96.60	Bed of Grand river	324	571
103.20	G. T. R. crossing	369	616
123.00	Frank's creek	328	575
125.75	Welland canal feeder	339	586
128.50	Welland railway crossing	330	577
138.00	Stevensville station	345	592
142.75	Erie and Niagara railway crossing	348	595
145.40	Niagara river	325	572

WELLINGTON, GRAY AND BRUCE RAILWAY COMPANY, OPERATED BY
THE G. W. R. CO.

Distance from Harris- burg junc- tion.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Harrisburg, junction with main line of G. W. R.	487	734
2.40	Fairchild's creek (Dumfries branch), track ..	513	760
6.13	Branchton station	650	897
11.82	Galt station	641	888
16.00	Preston station	680	927
17.72	Ballast Hill	718	965
19.07	Speed river, track	686	933
19.38	Hespeler station	695	942
27.33	Guelph station	832	1,079

Wellington, Grey and Bruce railway—Continued.

Distance from Guelph.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Guelph station	832	1,078
8.70	Hurst's creek, bed	902	1,149
	Swan creek:		
11.02	Track	970	1,217
11.02	Bed	911	1,158
13.31	Elora station	1,050	1,297
	Do. Grand river:		
14.75	East side	1,080	1,327
	Bed	992	1,239
16.00	Fergus station	1,111	1,358
	Irwin river:		
19.00	East side	1,135	1,382
	Bed	1,074	1,321
24.60	Summit	1,235	1,482
27.30	Goldstone station	1,214	1,461
31.10	Drayton station	1,147	1,394
35.00	Moorefield station	1,104	1,351
42.10	Palmerston station	1,067	1,314
47.80	Harriston station	1,017	264
54.23	Clifford station	987	1,234
63.23	Mildmay station	783	1,030
69.01	Walkerton station	686	933
77.80	Pinkerton station	614	861
84.29	Paisley station	529	776
	Teeswater river:		
84.61	Bed	462	709
84.61	Track over	525	772
97.00	Port Elgin station	428	675
101.14	Southampton station	369	616
101.30	Do. Lake Huron, Aug., 1872	335	582

W. G. & B. R.—SOUTH EXTENSION.

Distance from Pal- merston.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Palmerston station	1,067	1,314
5.62	Gowanstown station	1,038	1,285
8.71	Listowel station	1,016	1,263
14.68	Newry station	957	1,204
18.81	Henfryn siding	919	1,166
21.78	Ethel station	927	1,174
27.35	Brussels station	875	1,122
30.00	Gravel bed	848	1,095
34.15	Bluevale station	832	1,079
35.00	Maitland river, bed	797	1,044
37.22	Wingham station	835	1,082
38.54	Maitland river, bed	757	1,004
43.64	Kinloss (Whitechurch) station	799	1,046
50.00	Lucknow station	663	910
57.00	Pine river, bed	536	783
58.18	Ripley siding	560	807
66.38	Kincardine station	343	590
66.41	Kincardine, Lake Huron	335	582

WELLAND RAILWAY—OPERATED BY G. W. R.

Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
	<i>Feet.</i>	<i>Feet.</i>
Lake Ontario		247
Saint Catherine's, old station	128	375
G. W. R. crossing	210	457
Thorold station	306	553
Allanburg station	345	592
Port Robinson station	342	589
Welland river bed	322	569
Welland station	355	602
Port Colborn station	339	586
Lake Erie	330	577

NOTE.—All the elevations along the Great Western railway and its branches were obtained from the various profiles, through the kindness of the chief engineer, and reduced to a common datum.

The elevations given are those of track when opposite the station; elsewhere those of the natural ground have been adopted. The above tables cover most undulations of surface ranging more than 20 or 30 feet in height.

HAMILTON AND NORTHWESTERN RAILWAY.

Distance from Port Dover.	Location.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0. 00	Lake Erie, at Port Dover	328	575
0. 15	.....	380	627
8. 90	Jarvis, Loop Line crossing	452	699
14. 80	.....	483	730
15. 96	Hagersville (near)	449	696
21. 00	.....	382	629
23. 30	.....	438	685
	Grand river at Seneca :		
23. 56	South bank	405	652
	Bed	365	622
23. 75	North bank	397	644
24. 31	Seneca, crossing of plank road	406	653
26. 30	.....	439	686
28. 01	Chippewa creek	424	671
29. 69	Summit	493	740
34. 95	Brow of Niagara escarpment	396	643
39. 18	Hamilton :		
	Wentworth street, south	130	377
40. 00	Station (King street)		
	Barton street	30	277
42. 00	Wentworth street, north	19	266
48. 50	Burlington, beach (Ocean House)	8	255
50. 00	do..... station	6	253
51. 50	do..... G. W. R crossing	71	318
57. 40	.....	276	523
63. 25	Milton station	414	661
76. 00	Georgetown (gravel bed)	644	891
78. 50	Glen Williams	663	910
93. 00	Caledon (sand bed near)	695	942

Hamilton and Northwestern Railway—Continued.

Distance from Port Dover.	Location.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
100.20	Summit north of Palgrave.....	722	969
111.50	Beeton junction	469	716
120.60	Everett station	549	796
129.20	Glencairn station	491	738
139.50	Summit	805	1052
143.00	Duntroon station	689	936
147.60	Nottawa station	460	707
150.20	Collingwood station	342	589
	.....do.....lake Huron.....	331	578
0.00	Beeton junction, on branch	469	716
12.50	Thornton station	695	942
14.00	Summit station	751	998
22.30	Allandale station	508	755
26.00	Barrie station	625	872
	Barrie, Lake Simcoe.....	475	722

NOTE.—South of Hamilton, elevations refer to original ground. North of Hamilton reference is to track.

NORTHERN RAILWAY—MAIN LINE.

Distance from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Lake Ontario, at Toronto.....	00	247
7.00	Gravel pit	204	451
8.12	Weston station	337	584
12.33	York station	425	672
14.50	Thornhill station	386	633
19.00	Richmond Hill (Gravel pit)	600	847
22.75	King station	708	955
26.60	Summit	755	1,002
34.30	Newmarket station	525	772
38.00	Holland Landing.....	496	743
41.00	.....do river	478	725
42.00	Bradford station	478	725
44.50	Scanbons station.....	494	741
49.00	Gilford station	506	753
52.00	Lefroy station	532	779
53.00	Gravel ridge	520	767
57.00	Bramley station	641	888
57.75	Craigvale station.....	632	879
61.50	Thompson station	545	792
62.50	Gravel pit	520	767
63.00	Allandale (near Barrie).....	491	738
63.00	Lake Simcoe	475	722
68.75	Colwell junction	503	750
72.75	Nottawasaga river	380	627
73.50	Angus (Pine river)	380	627
74.50	Gravel ridge	389	636
77.60	Brentwood station	400	647
80.00	Sunnidale station	375	622
86.00	Stayner station	470	717

Northern Railway—Main Line—Continued.

Distance from Toronto.	Location.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
94.70	Collingwood station.....	343	590
94.70	.....do.....Lake Huron.....	337	584
100.00	Craigleith station.....	344	591
106.10	Gravel pit.....	354	601
107.00	Thornbury station.....	365	612
112.00	Summit.....	510	757
115.00	Meaford station.....	427	674

NORTHERN RAILWAY—MUSKOKA BRANCH.

Distance from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
64.12	Barrie (Lake Simcoe).....	475	722
64.20	...do... station.....	479	726
66.30	Kempenfeldt.....	510	757
70.00	Gowan.....	572	819
71.20	Summit.....	593	840
78.20	Hawkestone.....	532	779
81.00	.....do.....	575	822
82.50	Gravel pit.....	483	730
86.30	Orillia.....	479	726
88.50	Narrows of Lake Couchouching.....	486	733
94.00	Longford station.....	489	736
95.00	.....	519	766
98.00	Severn river, east branch.....	483	730
99.00	Washago.....	482	729
99.50	Severn river, west branch.....	485	732
100.50	...do... station.....	478	725
100.50	...do... station (water).....	464	711
100.70	...do... river.....		
102.40	Gravel pit.....	480	727
104.40	.....	369	616
106.20	Lethbridge station.....	509	756
108.00	Rock pass.....	530	777
109.30	Summit.....	605	852
111.30	Gravenhurst station.....	572	819
112.40	Muskoka lake.....	500	747

NORTHERN RAILWAY—PARRY SOUND BRANCH.

Distance from Colwell junction.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Colwell junction (68.75 miles from Toronto) ..	503	750
3.71	.....	457	704
4.15	Sand pit	451	698
7.58	Minessing station	372	619
11.04	Sand bed	490	737
15.78	Phelpston station	477	724
22.63	Marsh, track over	440	687
25.95	Wyeville station	525	772
30.36	Summit of branch	544	791
35.61	Penetanguishene station	342	589

The Hamilton and Northwestern Railway Company and the Northern Railway Company are now amalgamated. The levels of both roads were furnished through the kindness of Mr. Harry Holgate, assistant engineer of the united roads. The levels from Lake Erie to Hamilton, were obtained from the chief engineer during the construction before the stations were located. The altitudes of the stations on Northern Railway refer to track.

TORONTO, GREY AND BRUCE RAILWAY.

Distance from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Toronto station	8	255
2.25	...do... Queen Street junction	57	304
5.00	Carlton (sand and gravel bed)	160	407
8.50	Weston station	182	429
14.00	Sand and gravel bed	280	527
	Humber valley:		
14.50	East side	268	515
15.20	Bridge	224	471
16.20	{ West side	311	558
	{ Woodbridge station		
18.00	Sand and gravel bed	370	617
21.50	Kleinburg	468	713
26.30	Bolton station	591	838
32.75	Mono Road	729	976
34.00	Gravel bed	710	957
37.00	...do	990	1,237
38.75	.....	1,130	1,377
41.25	Charleston station (gravel bed near by)	1,120	1,367
44.60	Alton station	1,051	1,298
48.60	Orangeville station	1,151	1,398
52.50	...do	1,369	1,616
58.00	Sand and gravel bed	1,340	1,587
64.50	Shelburne station	1,382	1,629
75.80	Dundalk station	1,454	1,701
76.20	Summit	1,462	1,709
81.00	Proton station	1,366	1,613
86.00	Flesherton (adjacent sand and gravel bed) ...	1,310	1,557
93.00	Markdale station	1,112	1,359
98.00	Berkley station	1,082	1,329

Toronto, Grey and Bruce Railway—Continued.

Distance from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
100. 00	Gravel (deposits for several miles).....	1,000	1,247
102. 00	Williamsford station	965	1,212
108. 80	Speed river	700	947
109. 00	Chatsworth station (gravel beds)	697	944
111. 00	Sydenham river	690	937
114. 20	Rockford station	655	912
	Owen sound:		
120. 80	Station	339	586
	Georgian bay	335	582

ALONG WEST BRANCH.

52. 60	Orangeville junction	1,369	1,616
56. 50	Amaranth station (sand and gravel)	1,299	1,546
58. 50	Waldemar station	1,248	1,495
61. 80	Luther station	1,297	1,544
68. 70	Summit	1,332	1,579
72. 50	Arthur	1,278	1,525
79. 00	Kenilworth	1,239	1,486
84. 00	Sand and gravel bed	1,130	1,377
86. 00	do.	1,130	1,377
87. 00	Mount Forest station	1,103	1,350
91. 00	Page station	1,036	1,283
94. 70	Harriston station	999	1,246
103. 00	Fordwich station	953	1,200
108. 00	Gorrie and Wroxeter station	876	1,123
110. 00	Sand and gravel beds	850	1,097
120. 00	Teeswater station	777	1,024

Elevations, referring to track, were furnished through the kindness of Edmund Wragg, Esq., chief engineer and general manager of the railroad.

CREDIT VALLEY RAILROAD.

0. 00	Toronto station	8	255
6. 80	Lambton station	165	412
9. 90	Humber river bed	153	400
14. 20	Cooksville station (gravel)	146	393
17. 40	Streetsville station	252	499
20. 40	do. junction	306	553
32. 10	Milton station	416	663
38. 70	Campbellville station	682	929
51. 70	.....	760	1,007
57. 20	Galt station	689	936
57. 20	Galt, bed of Grand river	616	863
67. 20	Ayr station	718	965
72. 10	Wolverton station	715	962
74. 30	Drumbo station	766	1,013
78. 60	Blandford station	725	972
81. 60	Innerhip station	725	972
87. 80	Woodstock station	700	947

ORANGEVILLE AND ELORA BRANCH.

Distance from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
21.60	Streetsville junction	305	552
23.60	Meadsville station	319	566
29.10	Brampton station	477	724
45.50	Forks of the Credit	218	1,068
	Credit river :		
46.25	Bridge	861	1,108
46.25	Bed	761	1,008
48.20	Elora junction (Church Falls)	1,013	1,260
56.50	Orangetown	1,111	1,358
48.20	Elora junction	1,013	1,260
52.90	Erin station	1,048	1,295
56.60	Hillsburg station	1,177	1,424
61.10	Garafraxa station	1,205	1,452
64.50	Summit station	1,286	1,533
73.20	Fergus station	1,110	1,357
75.70	Elora station	1,054	1,301

The above levels were kindly furnished by H. S. Holt, Esq., chief engineer.

CANADA SOUTHERN RAILWAY.

Distance from Buffalo.	Localities.	Elevation above Lake Erie.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Niagara river at Buffalo, September, 9, 1870.	00	573
0.11	Fort Erie station	24	597
0.90	Victoria station	34	607
2.22	Erie and Niagara railway junction	35	608
6.52	Black creek bed	— 5	568
7.22	Stevensville station	16	589
14.20	Brookfield	37	610
17.51	Welland station	16	589
17.69	do ... canal bed (1880)	—11	562
22.50	.....	15	588
23.10	Forks creek, bed	—12	561
26.50	Perry's station	17	590
34.91	Attercliff station	18	591
42.31	Canfield (G. T. R. crossing)	48	621
64.12	.....	92	665
48.80	Dean's station	64	637
49.53	Grand river, bed	8	581
50.50	Decew's pond, bed	27	600
55.49	.....	125	698
58.62	Hagersville station	167	740
66.49	Villa Nova station	159	732
68.56	Surface of ground	182	755
68.57	Nanticoke creek bed	145	718
71.38	Waterford station	190	763
77.80	Windham station	244	817
82.10	Pt. Dover and Lake Huron railway crossing	219	792
83.33	Hawtrey	213	786
88.00	Otter creek bed	159	732
88.43	Cornell station	224	797
93.80	Tilsonburg station	233	806
105.19	Springfield station	223	796

Canada Southern Railway—Continued.

Distance from Buffalo.	Localities.	Elevation above Lake Erie.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
112.01	Cat Fish creek	141	714
118.29	Saint Thomas station	193	766
119.66	Kettle creek bed	92	665
119.75	Surface of ground	184	757
122.20	Saint Clair junction	192	765
127.27	Shedden station	153	726
131.17	Iona station	172	745
143.61	Bismarck station	138	711
148.10	Rodney station	120	693
151.40	Taylor station	150	723
154.10	Muirkirk station	152	725
156.23	Highgate station	166	739
161.82	Ridgetown station	87	660
168.00	Harwich station	78	651
175.20	Charing Cross station	55	628
181.40	Buxton station	29	602
185.41	Fletcher station	26	599
192.50	Tilbury station	19	592
195.00	Baptist creek	9	582
199.00	Comber station	31	604
207.90	Woodslee station	46	619
213.50	Essex Center station	73	646
221.40	Colchester station	38	611
227.00	Canard river bed	12	585
228.80	Amherstburg, top of bank	27	600
229.20	Detroit river	7	580

CANADA SOUTHERN RAILWAY—SARNIA BRANCH.

Distance. from St. Thomas.	Localities.	Elevation above Lake Erie.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Saint Thomas station	193	766
3.80	Saint Clair junction	192	765
5.30	Loop line (S. W. R.) crossing	174	747
9.10	Southwald station	172	745
12.20	Thames river:		
	East bank	146	719
	Bed	75	648
12.50	West bank at Delaware station	157	730
19.20	Melbourne station	162	73
20.20	G. W. R. crossing	173	746
25.40	Ekfrid station	177	750
31.30	Walker's station	159	732
35.10	West bank of Sydenham river	160	733
40.70	Inwood station	118	691
48.00	Oil City station	90	663
49.10	Fox Creek bed	65	638
56.70	Brigden station	63	636
57.40	Bear Creek bed	18	591
66.40	Courtright	11	584
	.... do. at Saint Clair river .....	.....	.....

The elevations of the Canada Southern railway were furnished through the kindness of W. B. Gossage, Esq., chief engineer of the C. S. R., in 1881.

GRAND TRUNK RAILWAY—BRANTFORD AND GODERICH DISTRICT.

Distance from Int. Bridge.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0. 00	International Bridge	341	588
1. 75	Niagara river surface	320	567
10. 00	Fort Erie station	359	606
20. 00	Bertie station	371	618
33. 00	Port Colborne station	334	581
38. 88	Welland canal feeder bridge	339	586
46. 25	Dunville station	338	585
52. 00	Canfield junction Crossing	369	616
59. 38	Cook's station	396	643
62. 75	Seneca (Caledonia) station	411	658
64. 75	.....	434	681
69. 50	Big creek bed	370	617
75. 00	Onondaga station	417	664
76. 00	.....	484	731
71. 38	G. W. R. crossing	441	688
81. 50	Brantford station	459	706
83. 50	.....	609	856
	Grand river:		
	Bed	568	815
	Bridge	485	732
84. 25	Paris station	596	843
87. 00	.....	663	910
88. 38	Nith's creek bed	589	836
93. 38	Summit near Drumbo	777	1,024
98. 25	Bright station	794	1,041
108. 00	Tavistock station	890	1,137
115. 75	Stratford station	943	1,190
120. 75	.....do.... bed of Avon river	892	1,139
120. 75	Sebringville station	926	1,173
123. 12	Summit	966	1,213
128. 75	Mitchell station	875	1,122
133. 63	Dublin station	857	1,104
140. 25	Seaforth station	762	1,009
148. 38	Clinton station	674	921
153. 25	.....	670	917
161. 25	Goderich station	483	730
163. 00	....do.... (elevation near surface of Lake Huron)	338	585

GRAND TRUNK RAILWAY—WESTERN DIVISION.

Distance from Montreal.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
333. 00	Toronto station	8	255
338. 12	Carlton station	159	406
341. 38	Weston station	179	426
342. 50	Humber bridge	211	458
342. 50	....do.... river	142	389
346. 50	Mimico bridge	293	540
346. 50	....do.... river	265	512
348. 12	Malton station	303	550
353. 75	Etobicoke river bed	443	690

Grand Trunk Railway—Western Division—Continued.

Distance from Montreal.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
354.12	Brampton station	466	713
359.63	Norval station	572	819
361.25	Credit bridge	581	828
361.25	....do....river	467	714
362.00	Georgetown station	600	847
362.75	....do....junction (H. & N. W. Ry.)	627	874
365.25	Limehouse station	810	1,057
366.75	....do....siding	847	1,094
368.38	Acton station	912	1,159
372.63	..... .....	972	1,219
373.75	Eremosa river (water)	894	1,141
374.00	Rockwood station	936	1,183
381.25	Speed river bed	783	1,030
381.38	Guelph station	821	1,068
386.50	Mosboro station	838	1,085
391.00	Breslau station	778	1,025
391.50	Grand river bed	714	961
395.38	Berlin station	854	1,101
397.12	Waterloo station	811	1,058
396.00	Summit	869	1,116
395.88	Berlin junction	848	1,095
401.75	..... .....	730	977
404.38	Bridge near Blair	653	900
408.50	Galt station	633	880
401.75	Petersburg station	964	1,211
402.88	....do....summit	1,002	1,249
405.12	Baden station	910	1,157
407.62	Hamburg station	880	1,127
408.25	Nith river, bed	836	1,083
414.75	Shakespeare station	937	1,184
420.50	Port Dover and Lake Huron Ry. Crossing	947	1,194
421.25	Stratford station	943	1,190
426.38	Saint Paul's station	919	1,166
431.38	Saint Mary's station	836	1,083
431.38	London Branch junction	836	1,083
444.50	Thorndale station	689	936
454.00	London station	568	815
432.25	Thames river (water)	741	988
438.00	Fish creek (bed)	698	945
440.75	Granton station	787	1,034
446.62	Lucan station	744	991
453.75	Ailsa Craig station	507	754
461.50	Parkhill station	416	663
467.75	Au Sable bridge	370	617
467.75	....do....river (bed)	347	594
470.00	Widder station	435	682
473.50	Tool's Creek bridge	476	723
478.88	Forrest station	465	712
488.00	Camalachie station	402	649
492.25	Perch station	348	595
496.25	Blackwell station	355	602
501.50	Sarnia station	340	587
	....do....(water in St. Clair river)	335	582

Grand Trunk Railway—Western Division—Continued.

Distance from Port Huron.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>	IN MICHIGAN.	<i>Feet.</i>	<i>Feet.</i>
505.63	Port Huron station.....	341	588
523.00	Chicago and Grand Trunk junction.....	376	623
523.88	Michigan Air-Line junction.....	476	723
540.50	New Haven.....	382	629
552.00	Clinton river (water).....	326	573
561.00	Connois river (water).....	361	608
	Detroit junction.....	347	594

GRAND TRUNK RAILWAY—CENTRAL DIVISION.

Distance. from Mont- real.	Localities.	Elevation above Lake Saint Peter.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
*0.00	Montreal (crossing Wellington street).....	40	51
14.50	Point Clair station.....	98	109
20.50	Saint Anne station.....	113	124
24.00	Vaudreuil station.....	82	93
37.50	Coteau Landing station.....	150	161
43.12	Rivière Baudette station.....	162	173
45.00	Interprovincial line.....	160	171
53.75	Lancaster station.....	154	165
67.38	Cornwall station.....	181	192
81.50	Farran's Point station.....	231	242
99.00	Iroquois station.....	232	243
104.38	Edwardsburg (Cardinal) station.....	266	277
112.12	Prescott junction.....	292	303
113.50	.....do.....station.....	299	310
125.25	Brockville station.....	270	281
129.50	Lynn station.....	275	286
138.00	Mallorytown station.....	325	336
146.12	Lansdown station.....	323	334
155.00	Ganonoque station.....	250	261
162.50	Ballantyne's station.....	350	361
168.38	Rideau station.....	292	303
172.63	Kingstown station.....	263	274
197.00	.....do.....	359	370
198.50	Napanee river (water).....	266	277
206.63	Tyendinaga station.....	325	336
220.25	Belleville station.....	275	286
220.62	.....do.....Moirs river (water).....	256	267
231.88	Trent river (water).....	238	249
232.12	Trenton station.....	254	265
241.50	Brighton station.....	293	304
245.00	The Dangers.....	259	270
249.00	Colborne station.....	311	322
263.50	Colbourg station.....	286	297
270.25	Port Hope station.....	276	287
278.00	Newtonville station.....	283	294
288.88?	Newcastle station.....	285	296
290.25	Bowmansville station.....	252	263
293.25	.....do.....	369	380

Grand Trunk Railway—Central Division—Continued.

Distance from Mont- real.	Localities.	Elevation above Lake Saint Peter.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
299.50	Oshawa station	322	333
303.50	Whitby station	257	268
309.75	Duffin's Creek station	276	287
316.50	Port Union station	255	266
323.38	Summit	547	558
324.00?	Scarboro junction	535	546
331.38	Don creek (bridge)	242	253
333.00	Toronto station	243	254
.....	do.... Lake Ontario	235	246

GRAND TRUNK RAILWAY—EASTERN DIVISION.

0.00	Montreal :		
	Point Saint Charles	40	51
	Center of Victoria bridge	104	115
	Saint Lawrence river (beneath Victoria bridge)	22	33
6.50	Saint Lambert's junction	65	76
10.00	Saint Hubert's station	80	91
14.88	Saint Bruno station	87	98
21.12	Belœil station	52	63
21.12	do . . . Richelieu river (surface)	37	48
22.25	Saint Hilaire station	75	86
28.12	Saint Madeleine station	108	119
35.62	Saint Hyacinthe station	100	111
36.12	Yomaska river (bed)	54	65
42.62	Britannia Mills station	211	222
48.00	Upton station	193	204
	do.... Black river (surface)	156	167
54.38	Acton station	301	312
54.75	Southeastern Railway junction	310	321
59.75	Moose river (surface)	330	341
62.00	Danby station	427	438
66.12	South Durham station	598	609
69.12	Lisgar station	518	529
74.75	Saint Francis river (surface)	466	477
76.50	Richmond station	380	391
86.38	Windsor station	409	420
94.50	Brompton Falls station	460	471
100.75	Magog river	452	463
101.12	Sherbrooke station	475	486
104.13	Lennoxville station	489	500
111.12	Waterville station	635	646
114.37	Compton station	723	734
117.13	Richby station	808	819
122.50	Coaticoke station	996	1,007
127.62	Dixville station	1,116	1,127
132.50	International boundary (Canada and the United States)	1,340	1,351
137.00	Lake station, Vermont	1,241	1,252
141.25	Summit, Vermont	1,367	1,378
147.88	Island Pond station, Vermont	1,176	1,187
155.25	Wenlock station, Vermont	1,140	1,151
162.75	Connecticut River Bed, New Hampshire and Vermont, State Line	862	873
162.88	North Stratford, New Hampshire	897	908
166.50	Beathes, New Hampshire	865	876

Grand Trunk Railway—Eastern Division—Continued.

Distance. from Mont- real.	Localities.	Elevation above Lake Saint Peter.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
170. 87	Stratford Hollow station, New Hampshire.....	858	869
174. 38	Grovetown junction, New Hampshire	878	889
180. 25	River Ammonoosuc (bed) New Hampshire.....	943	954
180. 87	Stark station, New Hampshire	949	960
190. 00	West Milan (bed) New Hampshire	992	1, 103
195. 75	Milan, water station, New Hampshire	1, 055	1, 066
202. 38	Berlin Falls station, New Hampshire,	1, 011	1, 022
207. 75	Gorham station, New Hampshire	787	798
211. 50	Shelburne station, New Hampshire	698	709
217. 75	Gilead station, Maine	705	716
227. 25	Bethel station, Maine	643	654
232. 00	Loche station, Maine	715	726
241. 62	West Paris station, Maine	475	486
250. 00	South Paris station, Maine	381	392
256. 50	Oxford station, Maine	322	333
261. 00	Mechanic Falls station, Maine	289	300
267. 50	Lewiston junction, Maine	237	248
269. 75	Danville junction, Maine	192	203
269. 88	Maine Central railway (crossing) Maine	189	200
274. 62	New Gloucester station, Maine	107	118
282. 00	North Yarmouth station, Maine	91	102
286. 00	Yarmouth station, Maine	85	96
288. 38	Cumberland station, Maine	74	85
291. 75	Falmouth station, Maine	40	51
296. 00	Portland and Rochester junction, Maine	2	13
297. 75	Portland station, Maine	3	14
LEWISTON BRANCH.			
267. 50	Lewiston junction (main line) Maine	237	248
271. 50	Taylor Brook, Maine	194	205
272. 63	Auburn station, Maine	137	148
273. 00	Lewiston station, Maine	129	140

GRAND TRUNK RAILWAY—QUEBEC AND RICHMOND DIVISION.

0. 00	Montreal		
76. 50	Richmond station	380	391
88. 38	St. Cyr siding	471	482
92. 50	Kingsey station	433	444
100. 50	Warwick station	470	481
108. 50	Arthabaska station	419	430
117. 25	Stanford station	117	128
123. 25	Somerset station	431	442
131. 38	St. Julie Station	464	475
136. 00	Lyster station	435	446
143. 88	Methot's Mills station	433	444
152. 12	St. Agassit station	395	406
157. 75	Craig's Road station	324	335
164. 88	Chandière Curve station	218	229
172. 00	Point Levi (opposite Quebec) station	3	14

Through the permission of Mr. Hanneford, the chief engineer of the Grand Trunk railway, Mr. James Wilson procured for me the levels of the Grand Trunk railway along its various divisions. As the original profiles were burned, the road has subsequently been relevelled, and the elevations of all the towns refer to track opposite the various stations. The horizontal measurements on the modern profiles do not always agree with those on time-tables, which were taken from the original profiles, and underwent subsequent changes.

TORONTO AND NIPISSING RAILWAY.

Distance. from Toronto.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Toronto station	8	255
9.00	Scarboro junction	300	547
14.00	Agincourt station	322	569
17.00	Millikens station	404	651
20.00	Unionville station	330	577
22.50	Markham station	393	640
29.00	Stouffville station	645	892
34.00	Goodwood station	843	1,090
36.00	Summit station	893	1,140
41.00	Uxbridge station	630	877
49.00	Wicks station	609	856
53.00	Sunderland station	604	551
59.00	Cannington station	599	846
63.00	Woodville station	649	896
64.75	Midland railway junction	634	881
66.00	Argyle junction	613	860
71.00	Eldon junction	623	870
74.50	Portage road	664	911
76.00	Kirkfield station	645	892
79.00	Victoria road	590	837
87.00	Cobocconk station	600	847
.....	.....do .....outlet of Balsam lake	(?) 588	835

These elevations refer to track opposite stations. They were furnished through the kindness of W. Goodenham, jr., Esq., president and managing director of the road. The road has subsequently passed under the management of the Midland railway.

MIDLAND RAILWAY.

Distance. from Port Hope.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Lake Ontario at Port Hope	00	247
1.50	Sand ridge	95	342
3.00	Clay ridge	140	387
5.00	Quay's station	234	481
8.00	Perrytown station	405	652
12.00	Clay ridge	558	805
13.25	Ridge	665	912
14.00	Summit station	663	910
17.50	Millbrook station	525	772
20.33	Ridge	650	897
22.75	Caran's Creek (bed)	525	772
24.00	Ridge	675	922
26.00	Valley	387	634
29.00	Ridge	665	912
32.25	Pigeon creek (bed)	558	805
33.75	Ridge	663	910
41.00	Lindsay station	618	865
41.25	Scugog river (below dam)	561	808
42.50	..do .. river (above dam)	568	815
44.00	Victoria junction	606	853
48.00	Cambray's ridge	679	926

Midland Railway—Continued.

Distance from Port Hope.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
57.00	Woodville junction	650	897
65.00	Beaverton station	516	763
67.00	Lancaster, surface of Simcoe lake	(?) 477	724
67.50	Talbot river (bed)	465	712
69.00	Gamebridge station	550	797
73.00	Brechin station	510	757
73.50	Ridge of rocks	519	766
75.00	} Mara swamps	483	730
78.00			
83.00	Bed of narrows between Simcoe and Couchiching lakes.	457	704
90.00	North river bed	389	636
101.00	Coldwater river bed	341	588
108.00	Sturgeon river bed	331	578
118.00	Midland, Georgian bay (average water-level)	332	579

LAKEFIELD BRANCH.

17.00	Millbrook junction	525	772
24.25	Moffat's creek	370	617
30.50	Peterborough station	403	650

MIDLAND RAILWAY—WHITBY DIVISION.

Distance from Whitby.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Lake Ontario at Whitby	00	247
0.75	G. T. R. junction	21	268
2.00	Whitby station	41	288
6.00	Gravel ridge	251	498
7.50	Brooklin station	292	539
12.00	Clay ridge	649	896
14.00	....do.....	781	1,028
19.00	Port Perry station	592	839
....do....	Lake Scugog	(?) 596	843
24.00	Clay ridge	628	875
29.00	....do.....	680	927
31.50	Manilla station	708	955
33.50	Clay ridge	674	921
42.00	....do.... opposite to Mariposa station	637	884
43.50	....do.....	673	920
45.25	Lindsay station	604	851

GRAND JUNCTION DIVISION OF MIDLAND RAILWAY.

Distance from Belleville.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Lake Ontario at Belleville	00	247
15.00	Junction of N. Hastings branch	269	516
19.25	Rawdon creek bed	157	404
20.00	Stirling station	168	415
26.00	Bed of creek	128	375
32.00	.....do.....	293	540
33.10	Trent river bed (limestone)	232	479
33.50	Campbellford station	260	507
44.00	Hasting station	388	635
44.75	Trent river bed above Hastings' dam	365	612
49.25	Ouse river bed	373	620
53.75	..... .....	455	702
56.75	Indian river bed (limestone)	390	637
61.25	Ridge	495	742
65.00	Otonabee river bed	369	616
	Otonabee river (surface of water)	385	632
66.00	Peterborough station	403	650

NORTH HASTINGS BRANCH OF GRAND JUNCTION DIVISION.

0.00	Lake Ontario at Belleville.....	-----	247.00
5.00	Hayden's Corners	102.00	349.00
9.00	Moirra river bed	88.00	335.00
15.00	North Hastings junction	269.00	516.00
20.00	Rawdon creek	230.00	477.00
23.00	.....do.....	313.00	560.00
24.00	White lake (surface)	327.00	574.00
26.50	Granite ridge.....	333.00	580.00
27.50	Moirra lake (surface).....	272.00	519.00
29.75	Madoc station	337.00	584.00
33.50	Seymour's mine (surface).....	508.00	755.00
34.50	Stoney ridge (surface)	574.00	821.00
37.00	Moore's mine (surface).....	538.00	785.00
39.00	Eldorado (terminus)	510.00	757.00

T. A. Hay, Esq., acting engineer of the Midland railway and Grand Junction railway, kindly furnished all the above elevations of the Midland railway and its branches.

ONTARIO AND QUEBEC RAILWAY.

Distances from Carlton.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Carlton station, junction with Credit Valley railway (about 5 miles from Toronto)	147.00	394.00
3.82	Yorkville station	159.00	406.00
7.20	River Don :		
	Banks	174.00	421.00
	Bed	64.00	311.00

Ontario and Quebec Railway—Continued.

Distance from Carlton.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
8.82	Little Don river bank	204.00	451.00
	do	91.00	338.00
13.31	Agincourt station	324.00	571.00
18.14	River Rouge bed	239.00	486.00
23.78	Duffin's creek station	399.00	646.00
29.22	Claremont station	638.00	885.00
38.12	Myrtle station	640.00	887.00
54.32	Summit	853.00	1,100.00
56.21	Poutypool station	817.00	1,064.00
68.30	Casan station	401.00	648.00
77.35	Peterborough, bed of Otonabee river	376.00	623.00
	Water-level of river	357.00	634.00
88.50	Indian river	414.00	661.00
113.65	Crow river	344.00	591.00
131.60	Gravel ridge	360.00	607.00
132.80	Tweed village	324.00	571.00
135.40	Moirs river bed (limestone)	208.00	455.00
135.90	Granite ridge	252.00	499.00
136.80	Stoco lake	210.00	457.00
	Crossing Salmon river	363.00	610.00
	Clear lake	363.00	610.00
156.55	Sharbot lake	389.00	636.00
178.60	Summit	505.00	752.00
	Fall river crossing	328.00	575.00
	McGowan's lake	324.00	571.00
180.43	Perth station	184.00	431.00

As the road was not completed in the summer of 1883, the stations east of Peterborough were not located, but the country does not differ greatly in altitudes from those of the few above-mentioned lakes, &c.

These elevations were obtained from C. E. W. Dodwell, Esq., engineer of the Ontario and Quebec railroad.

SAINT LAWRENCE AND OTTAWA RAILROAD.

Distance from Prescott.	Localities.	Elevation above Lake St. Peter.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Saint Lawrence river at Prescott	228.00	239.00
3.41	Corner's ridge	*309.00	320.00
7.86	Nation river bed	267.00	278.00
16.25	.....	344.00	355.00
22.25	Kemptville	280.00	291.00
27.18	Rideau creek	262.00	273.00
40.15	Spratt's ridge	340.00	351.00
52.78	Bed of Rideau river	100.00	111.00
53.20	Ottawa station	122.00	133.00

These elevations were taken from the profiles furnished by the chief engineer, J. S. Macklin, Esq.

The record of elevation of datum was defective, and the above reductions appear to be about 27 feet too low.

SAINT LAWRENCE RIVER.

Distance from Montreal.	Localities.	Elevation above Lake Saint Peter.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
0.00	Flats of Lake Saint Peter, Saint Lawrence river, to which high tide reaches	12.00	11.00
8.50	Montreal, foot of No. 1 Lock, Lachine Canal. Lake Saint Louis.....	55.75	23.00
	Beauharnois Canal:		66.75
23.75	Foot of.....	55.75	66.75
35.00	Head of	140.00	66.75
	Cornwall Canal:		151.00
67.75	Foot of.....	140.00	151.00
79.25	Head of	189.25	200.25
	Farran's Point Canal:		200.25
84.25	Foot of.....	189.25	200.25
85.00	Head of	193.25	204.25
	Rapide Flat Canal:		208.00
95.50	Foot of.....	197.00	208.00
99.50	Head of	212.25	223.25
	Galops Rapids Canal:		223.25
101.00	Foot of.....	212.25	223.25
111.62	Head of	228.00	239.00
178.00	Saint Lawrence, navigation at Kingston.....	234.00	245.00

OTTAWA RIVER AND RIDEAU NAVIGATION.

0.00	Foot of No. 1 Lock, Montreal	12.00	23.00
8.50	Junction of Ottawa and Saint Lawrence rivers at head of Lachine canal	55.75	66.75
120.00	Entrance to Rideau canal at Ottawa city	118.00	129.00

Rideau canal and other water-courses between Ottawa city, on Ottawa river, and the Saint Lawrence river, at Kingston, form a navigation of 126.25 miles in length, with the summit of navigation 400 feet above lake Saint Peter, or 411 feet above mean tide.

The river elevations are taken from the Reports upon Public Works by the Chief Engineer of Canals.

QUEBEC, MONTREAL, OTTAWA AND OCCIDENTAL RAILWAY.

Distance from Montreal.	Localities.	Elevation above Lake Ontario.	Elevation above mean tide.
<i>Miles.</i>		<i>Feet.</i>	<i>Feet.</i>
	MONTREAL TO OTTAWA.		
0.00	Montreal, Hochelaga street and Montreal avenue		70
2.92	Mile-end station		225
8.22	Rivière des Prairies:		
	South bank		82
	Surface of water		00
	Rocky bed		32
8.65	North bank		87
14.20	.....		150

Quebec, Montreal, Ottawa and Occidental Railway—Continued.

Distance from Montreal.	Localities.	Elevation above lake Ontario.	Elevation above mean tide.
<i>Miles.</i>	MONTREAL TO OTTAWA—Continued.	<i>Feet.</i>	<i>Feet.</i>
15.51	Saint Rose station		85
15.81	Mille Isles (bed of river)		43
18.60	Saint Jerome junction		135
25.80	Saint Janvier station		220
41.85	Saint Jerome station		311
25.90	Dobbies station		227
30.72	Saint Scholastique station		238
.....	do Bell river bed		214
35.87	Saint Hermas station		257
42.55	Lachute station		225
47.00	Muddy branch station		262
50.00	.....		340
55.50	Grenville station		210
58.51	Calumet river		147
63.30	Pointe au Chêve station		188
72.83	Montebello station		172
75.60	Papineauville station		155
82.97	Nation river bed		125
83.17	.....		185
88.74	Thurso station		186
91.00	Blanche river bed		128
98.20	Buckingham station		183
.....	do Rivière aux Lievres, bed		150
108.80	East Templeton station		155
112.50	Gatineau Point station		175
116.78	Hull station		185
124.24	Aylmer station		222

The levels of this section of the Quebec, Montreal, Ottawa and Occidental Railway were furnished from the construction profiles (referred to harbor datum), from which they were reduced to mean ocean level.

**ALPHABETIC LIST OF ELEVATIONS IN CANADA, AB-
STRACTED FROM THE FOREGOING PROFILES.**

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Acton, Ontario	Grand Trunk R. R.	1,159
Quebec	Grand Trunk R. R.	312
Agincourt	T. & N. R. R.	569
Ailsa Craig	Grand Trunk R. R.	754
Allanburg	Welland R. R.	592
Allandale	H. & N. W. R. R.	755
do	Northern R. R.	738
Attarcliffe	Canada Southern R. R.	591
Alton	T., G. & B. R. R.	1,298
Amaranth	T., G. & B. R. R.	1,546
Angus (Pine River)	Northern R. R.	627
Appin	Great Western R. R.	743
Argyle	T. & N. R. R.	860
Arthabaska	Grand Trunk R. R.	430
Arthur	T., G. & B. R. R.	1,525
Aylmer	Q., M., O. & O. R. R.	222
Ayr	Credit Valley R. R.	965
Baden	Grand Trunk R. R.	1,157
Ballantyne's	Grand Trunk R. R.	361
Baptist Creek	Great Western R. R.	595
Barrie	Northern R. R.	726
Do	H. & N. W. R. R.	872
Do .. Lake Simcoe	Northern R. R.	722
Beaverton	Midland R. R.	763
Beeton junction	H. & N. W. R. R.	716
Beechville	Great Western R. R.	907
Belgrave	Great Western R. R.	1,062
Belleville	Grand Trunk R. R.	286
Belœil	Grand Trunk R. R.	63
Do .. Richelieu river (surface)	Grand Trunk R. R.	48
Beamsville	Great Western R. R.	294
Berkeley	T., G. & B. R. R.	1,329
Berlin	Grand Trunk R. R.	1,101
Do .. junction	Grand Trunk R. R.	1,095
Bertie	Grand Trunk R. R.	618
Bismarck	Canada Southern R. R.	711
Blackwell	Grand Trunk R. R.	602
Blandford	Credit Valley R. R.	972
Bluevale	W., G. & B. R. R.	1,079
Blyth	Great Western R. R.	1,081
Bolton	T., G. & B.	838
Bothwell	Great Western R. R.	691
Bowmanville	Grand Trunk R. R.	263
Bradford	Northern R. R.	725
Bramly	Northern R. R.	888
Brampton	Credit Valley R. R.	724
Do	Grand Trunk R. R.	713
Branchton	W., G. & B. R. R.	897
Brantford	Grand Trunk R. R.	706
Do bridge over Grand river	Great Western R. R.	659
Do bed of Grand river .....	.....	645

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Brechin	T. & N. R. R.	757
Brecon	Great Western R. R.	900
Brentwood	Northern R. R.	647
Breslau	Grand Trunk R. R.	1,025
Brigden	Canada Southern R. R.	636
Bright	Grand Trunk R. R.	1,041
Brighton	Grand Trunk R. R.	304
Britannia Mills	Grand Trunk R. R.	222
Brockville	Grand Trunk R. R.	281
Brompton Falls	Grand Trunk R. R.	471
Bronté	Great Western R. R.	346
Brookfield	Canada Southern R. R.	610
Brooklin	Midland R. R.	537
Brucefield	Great Western R. R.	890
Brussels	W., G. & B. R. R.	1,122
Buckingham	Q., M., O. & O. R. R.	183
Burford	Great Western R. R.	844
Burlington	Great Western R. R.	340
Do	H. & N. W. R. R.	253
Do... Beach (Ocean House)	H. & N. W. R. R.	255
Do... (G. W. R. R. crossing)	H. & N. W. R. R.	318
Buxton	Canada Southern R. R.	602
Carlton	Grand Trunk R. R.	406
Do (sand and gravel bed)	T., G. & B. R. R.	407
Caledon (sand bed near)	H. & N. W. R. R.	942
Camalachie	Grand Trunk R. R.	649
Campbellford	Midland R. R.	507
Campbellville	Credit Valley R. R.	929
Canaan	O. & Q. R. R.	648
Canfield (G. T. R. R. crossing)	Canada Southern R. R.	621
Do... junction crossing	Grand Trunk R. R.	616
Cannington	T. & N. R. R.	846
Centralia	Great Western R. R.	867
Chandière Curve	Grand Trunk R. R.	229
Charing Cross	Canada Southern R. R.	628
Charleston (gravel bed near)	T., G. & B. R. R.	1,367
Chatham	Great Western R. R.	598
Chatsworth (gravel beds)	T., G. & B. R. R.	944
Clandeboyne	Great Western R. R.	888
Claremont	O. & Q. R. R.	885
Clear lake	O. & Q. R. R.	610
Clifford	W., G. & B. R. R.	1,234
Clinton	Great Western R. R.	919
Do	Grand Trunk R. R.	921
Coaticoke	Grand Trunk R. R.	1,007
Coboconk	T. & N. R. R.	847
Cobourg	Grand Trunk R. R.	297
Colborne	Grand Trunk R. R.	322
Colchester	Canada Southern R. R.	611
Collingwood	H. & N. W. R. R.	589
Do	Northern R. R.	590
Colwell junction	Northern R. R.	750
Comber	Canada Southern R. R.	604
Compton	Grand Trunk R. R.	734
Cook's Station	Grand Trunk R. R.	643
Cooksville (gravel)	Credit Valley R. R.	393
Copetown	Great Western R. R.	749
Corinth	Great Western R. R.	769
Cornell	Canada Southern R. R.	797
Cornwall	Grand Trunk R. R.	192

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Coteau Landing	Grand Trunk R. R.	161
Courtright (Saint Clair river at)	Canada Southern R. R.	584
Craigleith	Northern R. R.	590
Craigvale	Northern R. R.	879
Danby	Grand Trunk R. R.	438
Dean's	Canada Southern R. R.	665
Dixville	Grand Trunk R. R.	1,127
Dobbin's	Q., M., O. & O. R. R.	227
Dorchester	Great Western R. R.	852
Drayton	W., G. & B. R. R.	1,394
Drumbo	Credit Valley R. R.	1,013
Dublin	Grand Trunk R. R.	1,104
Duffin's Creek	Grand Trunk R. R.	287
Dundalk	T., G. & B. R. R.	1,701
Dundas	Great Western R. R.	517
Do. marsh (track over old outlet of)	Great Western R. R.	329
Duntroon	H. & N. W. R. R.	936
Dunville	Grand Trunk R. R.	585
East Templeton	Q., M., O. & O. R. R.	155
Eastwood	Great Western R. R.	973
Edwardsburg (Cardinal)	Grand Trunk R. R.	277
Eldon junction	T. & N. R. R.	870
Eldorado	Midland R. R.	757
Elora	W., G. & B. R. R.	1,297
Do. junction (Church Falls)	Credit Valley R. R.	1,260
Ekfred	Canada Southern R. R.	750
Erie	Canada Southern R. R.	597
Erie and Niagara railway junction	Canada Southern R. R.	608
Erin	Credit Valley R. R.	1,295
Essex Center	Canada Southern R. R.	646
Ethel	W., G. & B. R. R.	1,174
Everett	H. & N. W. R. R.	796
Exeter	Great Western R. R.	875
Farran's Point	Grand Trunk R. R.	242
Flesherton (sand and gravel bed)	T., G. & B. R. R.	1,557
Fletcher	Canada Southern R. R.	599
Fordwick	T., G. & B. R. R.	1,200
Forrest	Grand Trunk R. R.	712
Fort Erie	Grand Trunk R. R.	606
Fergus	W. G. & B. R. R.	1,358
Fergus junction	Credit Valley R. R.	1,357
Galt	W., G. & B. R. R.	888
Do.	Credit Valley R. R.	936
Do.	Grand Trunk R. R.	880
Gambrobridge	T. & N. R. R.	797
Ganonoque	Grand Trunk R. R.	261
Garafraxa junction	Credit Valley R. R.	1,452
Gatineau Point	Q., M., O. & O. R. R.	175
Georgetown	Grand Trunk R. R.	847
Do. junc. (H. & N. W. R. R.)	Grand Trunk R. R.	874
Do. (gravel bed)	H. & N. W. R. R.	891
Gilford	Northern R. R.	753
Glencairn	H. & N. W. R. R.	738
Glencoe	Great Western R. R.	730
Do. junction	Great Western R. R.	728
Glen Williams	H. & N. W. R. R.	910
Gorrie & Wroxeter	T., G. & B. R. R.	1,123
Goderich	Grand Trunk R. R.	730
Goldstone	W., G. & B. R. R.	1,257
Goodward	T. & N. R. R.	1,090

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Gowan	Northern R. R.	819
Gowanstown	W., G. & B. R. R.	1,285
Granton	Grand Trunk R. R.	1,034
Gravenhurst	Northern R. R.	819
Grenville	Q., M., O. & O. R. R.	210
Grimsby	Great Western R. R.	287
Guelph	Great Western R. R.	1,068
Do	W., G. & B. R. R.	1,078
Hagersville	Canada Southern R. R.	740
Hamburg	Grand Trunk R. R.	1,127
Hamilton	Great Western R. R.	255
Do.. (Wentworth st. south)	H. & N. W. R. R.	377
Do.. (Barton st.)	H. & N. W. R. R.	277
Do.. (Wentworth st. north)	H. & N. W. R. R.	266
Harley	Great Western R. R.	837
Harrisburg junction	Great Western R. R.	734
Do.... junc. (with main line G. W. R. R.)	W., G. & B. R. R.	734
Do.... (track)	Great Western R. R.	734
Harriston	T., G. & B. R. R.	1,246
Do	W., G. & B. R. R.	1,264
Harwick	Canada Southern R. R.	651
Hastings	Midland R. R.	635
Hawtreys	Canada Southern R. R.	786
Hawkestone	Northern R. R.	779
Hayden's Corners	Midland R. R.	349
Henfrye	W., G. & B. R. R.	1,166
Hespeller	Wellington, Gray & Bruce R. R.	942
Hensall	Great Western R. R.	899
Highgate	Canada Southern R. R.	739
Hillsburg junction	Credit Valley R. R.	1,424
Holland landing	Northern R. R.	743
Hull	Q., M., O. & O. R. R.	185
Hyde Park junction	Great Western R. R.	886
Ilderton	Great Western R. R.	937
Innerkip	Credit Valley R. R.	972
Ingersoll	Great Western R. R.	879
International bridge	Grand Trunk R. R.	588
Inwood	Canada Southern R. R.	691
Iona	Canada Southern R. R.	745
Iroquois	Grand Trunk R. R.	243
Jarvis	Great Western R. R.	701
Do.. Loopline crossing	H. & N. W. R. R.	699
Jordan	Great Western R. R.	311
Kempenfeldt	Northern R. R.	757
Kemptville	St. L. & O. R. R.	291
Kenilworth	T., G. & B. R. R.	1,486
Kinloss	W., G. & B. R. R.	1,046
King	Northern R. R.	955
Kingsey	Grand Trunk R. R.	444
Kingstown	Grand Trunk R. R.	274
Kinkardine	W., G. & B. R. R.	590
Kirkfield	T. & N. R. R.	892
Kleinburg	T., G. & B. R. R.	715
Komoka	Great Western R. R.	811
Do.. junction	Great Western R. R.	822
Lachute	Q., M., O. & O. R. R.	225
Lake Simcoe	Northern R. R.	722
Lake Saint Louis		66.75
Lambton	Credit Valley R. R.	412

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Lancaster	Grand Trunk R. R.	165
Lansdowne	Grand Trunk R. R.	334
Lefroy	Northern R. R.	779
Lennoxville	Grand Trunk R. R.	500
Lethbridge	Northern R. R.	756
Lewisville	Great Western R. R.	615
Limehouse	Grand Trunk R. R.	1,057
Do ... siding	Grand Trunk R. R.	1,094
Lindsay	Midland R. R.	851
Lisgar	Grand Trunk R. R.	529
Listowel	W., G. & B. R. R.	1,263
Londesburg	Great Western R. R.	974
London	Grand Trunk R. R.	815
Do ... Richmond street	Great Western R. R.	806
Do ... Thames river, bed	Great Western R. R.	754
Loungford	Northern R. R.	736
Longwood	Great Western R. R.	752
Lucan	Grand Trunk R. R.	991
Lucknow	W. G., & B. R. R.	910
Luther	T., G. & B. R. R.	1,544
Lyn	Grand Trunk R. R.	286
Lynden	Great Western R. R.	757
Lyster	Grand Trunk R. R.	446
Madoc	Midland R. R.	584
Maitland river (bed)	Great Western R. R.	942
Mallorytown	Grand Trunk R. R.	336
Malton	Grand Trunk R. R.	550
Mandamin	Great Western R. R.	647
Manilla	Midland R. R.	955
Markdale	T., G. & B. R. R.	1,359
Markham	T. & N. R. R.	640
Mariposa (clay ridge opposite)	Midland R. R.	884
McGowan's lake	O. & Q. R. R.	571
Meadsville	Credit Valley R. R.	566
Meaford	Northern R. R.	674
Melbourne	Canada Southern Railway	735
Michigan Air line junction	Grand Trunk R. R.	723
Midland junction	T. & N. R. R.	881
Mildmay	W., G. & B. R. R.	1,030
Mile End	Q., M., O. & O. R. R.	225
Millbrook	Midland R. R.	775
Do ... junction	T. & N. R. R.	772
Millikins	T. & N. R. R.	651
Milton	H. & N. W. R. R.	661
Do	Credit Valley R. R.	663
Mimico	Great Western R. R.	307
Minessing	Northern R. R.	619
Mitchell	Grand Trunk R. R.	1,122
Moir	Midland R. R.	519
Montreal (crossing Wellington street)	Grand Trunk R. R.	51
Do ... (Hochelaga street and Mon- treal avenues)	Q., M., O. & O. R. R.	20
Montreal (Point St. Charles)	Grand Trunk R. R.	51
Do ... (center of Victoria bridge)	Grand Trunk R. R.	115
Do ... (St. Lawrence river, beneath Victoria bridge)	Grand Trunk R. R.	333
Montebello	Q., M., O. & O. R. R.	172
Moorefield	W., G. & B. R. R.	1,351
Moore's Mine	Midland R. R.	785
Mount Forest	T., G. & B. R. R.	1,350

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Mount Pleasant.....	Great Western R. R.....	810
Mount Vernon.....	Great Western R. R.....	837
Muddy Branch.....	Q., M., O. & O. R. R.....	262
Muirkirk.....	Canada Southern R. R.....	725
Muskoka lake.....	Northern R. R.....	747
Newbury.....	Great Western R. R.....	702
Newcastle.....	Grand Trunk R. R.....	296
New Haven.....	Grand Trunk R. R.....	629
New Market.....	Northern R. R.....	772
Newry.....	W., G. & B. R. R.....	1, 204
Newtonville.....	Grand Trunk R. R.....	294
North Hastings junction.....	Midland R. R.....	516
Norval.....	Grand Trunk R. R.....	819
Norwich.....	Great Western R. R.....	844
Nottawa.....	H. & N. W. R. R.....	707
Oakville.....	Great Western R. R.....	340
Oil City.....	Canada Southern R. R.....	663
Onondaga.....	Grand Trunk R. R.....	664
Orangeville.....	Credit Valley R. R.....	1, 358
Do.....	T., G. & B. R. R.....	1, 398
Do..... junction.....	T., G. & B. R. R.....	1, 616
Orillia.....	Northern R. R.....	726
Oshawa.....	Grand Trunk R. R.....	333
Ottawa.....	St. L. & O. R. R.....	133
Owen Sound.....	T., G. & B. R. R.....	586
Page.....	T., G. & B. R. R.....	1, 283
Paisley.....	W., G. & B. R. R.....	776
Palmerston.....	W., G. & B. R. R.....	1, 314
Papineauville.....	Q. M. & O. R. R.....	155
Paris.....	Great Western R. R.....	842
Parkhill.....	Grand Trunk R. R.....	663
Penetanguishene.....	Northern R. R.....	587
Perch.....	Grand Trunk R. R.....	595
Perry.....	Canada Southern R. R.....	590
Perrytown.....	Midland R. R.....	652
Perth.....	O. & Q. R. R.....	431
Peterboro.....	T. & N. R. R.....	650
Petersburgh.....	Grand Trunk R. R.....	1, 211
Phelpston.....	Northern R. R.....	724
Pinkerton.....	W., G. & B. R. R.....	861
Point Clair.....	Grand Trunk R. R.....	109
Pointe au Chêne.....	Q., M., O. & O. R. R.....	188
Pontypool.....	O. & Q. R. R.....	1, 004
Port Colborne.....	Grand Trunk R. R.....	581
Do.....	Welland R. R.....	586
Port Elgin.....	W., G. & B. R. R.....	675
Port Hope.....	Grand Trunk R. R.....	287
Port Huron.....	Grand Trunk R. R.....	588
Port Perry.....	Midland R. R.....	839
Port Robinson.....	Welland R. R.....	589
Port Stanley (level Lake Erie).....	Great Western R. R.....	574
Port Union.....	Grand Trunk R. R.....	266
Prescott.....	Grand Trunk R. R.....	310
Do..... junction.....	Grand Trunk R. R.....	303
Preston.....	Wellington, Gray & Bruce R. R.....	927
Princeton.....	Great Western R. R.....	932
Proton.....	T., G. & B. R. R.....	1, 613
Point Levi (opposite Quebec).....	Grand Trunk R. R.....	14
Quay's.....	Midland R. R.....	481
Richby.....	Grand Trunk R. R.....	819

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Richmond	Grand Trunk R. R.	391
Richmond Hill (gravel pit)	Northern R. R.	847
Rideau	Grand Trunk R. R.	303
Ridgetown	Canada Southern R. R.	660
Ripley siding	W., G. & B. R. R.	807
Rivière Baudette	Grand Trunk R. R.	173
Rockford	T., G. & B. R. R.	912
Rockpass	Northern R. R.	777
Rockwood	Grand Trunk R. R.	1183
Rodney	Canada Southern R. R.	693
Saint Agassiz	Grand Trunk R. R.	406
Saint Anne	Grand Trunk R. R.	124
Saint Bruno	Grand Trunk R. R.	98
Saint Catharines	Great Western R. R.	357
Do (old station)	Welland R. R.	375
Saint Clair junction	Canada Southern R. R.	765
Saint Cyr siding	Grand Trunk R. R.	492
Saint Hermas	Q., M., O. & O. R. R.	257
Saint Hilaire	Grand Trunk R. R.	86
Saint Hulbert's	Grand Trunk R. R.	91
Saint Janvier	Q., M., O. & O. R. R.	220
Saint Jerome	Q., M., O. & O. R. R.	311
Do junction	Q., M., O. & O. R. R.	135
Saint Julie	Grand Trunk R. R.	475
Saint Lambert's junction	Grand Trunk R. R.	76
Saint Madeline's	Grand Trunk R. R.	119
Saint Mary's	Grand Trunk R. R.	1,033
Saint Paul's	Grand Trunk R. R.	1,166
Saint Rose	Q., M., O. & O. R. R.	85
Saint Scholastique	Q., M., O. & O. R. R.	238
Saint Thomas	Canada Southern R. R.	766
Do	Great Western R. R.	758
Sarnia	Grand Trunk R. R.	587
Do, water, in Saint Clair river	Grand Trunk R. R.	582
Do, (near Lake Huron)	Great Western R. R.	589
Seabon's	Northern R. R.	741
Scarboro junction	Grand Trunk R. R.	546
Seaforth	Grand Trunk R. R.	1,009
Sebringville	Grand Trunk R. R.	1,173
Seneca (Caledonia)	Grand Trunk R. R.	658
Severn	Northern R. R.	725
Do (crossing of plank-road)	H. & N. W. R. R.	653
Do, river	Northern R. R.	711
Shakespeare	Grand Trunk R. R.	1,184
Sharbot lake	O. & Q. R. R.	636
Shedden	Canada Southern R. R.	726
Shelburne	T., G. & B. R. R.	1,629
Sherbrooke	Grand Trunk R. R.	486
Simcoe	Great Western R. R.	719
Somerset	Grand Trunk R. R.	442
Southampton	W., G. & B. R. R.	516
South Durham	Grand Trunk R. R.	609
Southeastern R. R. junction	Grand Trunk R. R.	321
Southwold	Canada Southern R. R.	745
Springfield	Canada Southern R. R.	796
Springford	Great Western R. R.	822
Stanford	Grand Trunk R. R.	128.25
Stayner	Northern R. R.	717
Stevensville	Canada Southern R. R.	589
Stirling	Midland R. R.	415

Station.	Authority.	Elevation above mean ocean level.
		<i>Fet.</i>
Stoco lake	O. & Q. R. R.	457
Stony Point	Great Western R. R.	587
Stoney Creek	Great Western R. R.	275
Stonyville	T. & N. R. R.	892
Stratford	Grand Trunk R. R.	1,190
Do....(bed of Avon river)	Grand Trunk R. R.	1,139
Strathroy	Great Western R. R.	747
Do	Great Western R. R.	722
Streetsville	Credit Valley R. R.	499
Do junction	Credit Valley R. R.	553
Summit	T. & N. R. R.	940
Summit	Midland R. R.	910
Sunderland	T. & N. R. R.	851
Sunnidale	Northern R. R.	622
Tavistock	Grand Trunk R. R.	1,137
Taylor	Canada Southern R. R.	723
Tecumseh	Great Western R. R.	590
Teeswater	T., G. & B. R. R.	1,024
Thamesville (bed of river)	Great Western R. R.	587
Do bridge	Great Western R. R.	623
Thorndale	Grand Trunk R. R.	936
Thompson	Northern R. R.	792
Thornbury	Northern R. R.	612
Thornhill	Northern R. R.	633
Thornton	H. & N.W. R. R.	942
Thorold	Welland R. R.	553
Thurso	Q., M. & O. R. R.	186
Tilbury	Canada Southern R. R.	592
Tilsonburg	Canada Southern R. R.	806
Do crossing (Canada Southern)	Great Western R. R.	797
Toronto	Great Western R. R.	255
Do..(Queen st. junction)	T., G. & B. R. R.	304
Do	Grand Trunk R. R.	254
Do..(Lake Ontario)	Grand Trunk R. R.	246
Trenton	Grand Trunk R. R.	265
Tweed village	O. & Q. R. R.	571
Tyendinaga	Grand Trunk R. R.	336
Unionville	T. & N. R. R.	577
Upton	Grand Trunk R. R.	204
Uxbridge	T. & N. R. R.	877
Vaudreuil	Grand Trunk R. R.	93
Victoria	Canada Southern R. R.	607
Do junction	Midland R. R.	853
Villa Nova	Canada Southern R. R.	732
Waldemar	T., G. & B. R. R.	1495
Walker's	Canada Southern R. R.	732
Walkerton	W., G. & B. R. R.	933
Wanstead	Great Western R. R.	702
Warwick	Grand Trunk R. R.	481
Washago	Northern R. R.	729
Waterdown	Great Western R. R.	345
Waterford	Canada Southern R. R.	763
Waterloo	Grand Trunk R. R.	1,858
Waterville	Grand Trunk R. R.	646
Watford	Great Western R. R.	787
Welland	Canada Southern R. R.	589
Do	Welland R. R.	602
Weston	Northern R. R.	584
Whitby	Grand Trunk R. R.	268
Do	Midland R. R.	288

Station.	Authority.	Elevation above mean ocean level.
		<i>Feet.</i>
Widder.....	Grand Trunk R. R.....	682
Wick's.....	T. & N. R. R.....	856
Williamsford.....	T., G. & B. R. R.....	1,212
Windsor, Ontario.....	Great Western R. R.....	582
Windsor, Quebec.....	Grand Trunk R. R.....	420
Windham.....	Canada Southern R. R.....	817
Wingham.....	Great Western R. R.....	1082
Winona.....	Great Western R. R.....	285
Wolverton.....	Credit Valley R. R.....	962
Woodbridge.....	T., G. & B. R. R.....	558
Woodslee.....	Canada Southern R. R.....	619
Woodstock.....	Credit Valley R. R.....	947
Do.....	Great Western R. R.....	957
Woodville.....	T. & N. R. R.....	896
Do ..junction.....	Midland R. R.....	897
Wyeville.....	Northern R. R.....	772
Wyoming.....	Great Western R. R.....	712
Yamaska river-bed.....	Grand Trunk R. R.....	65
York.....	Northern R. R.....	672
Yorkville.....	O. & Q. R. R.....	406

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