

RAINFALL AT *Halifax, N. B.* 31

Lat.....

Lon.....

County of *York, N. B.*

Rain Gauge, by.....

Observer *L. F. Bademan, Esq., F.R.S.*

Diameter					8						
Height					1.3						
Altitude			990								
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.20	1.00	5.03	4.25	3.29	6.17	1.23	5.62	4.14	1.15	3.508
February.....	2.00	3.10	2.87	1.10	1.37	.88	4.12	2.98	1.94	3.90	2.426
March.....	2.40	1.20	4.22	3.70	3.94	1.66	4.12	3.83	1.79	2.26	2.912
April.....	1.00	4.60	4.40	.45	2.25	1.26	3.06	4.50	2.17	2.23	2.592
May	1.50	2.00	2.30	3.22	1.96	1.77	.94	2.88	5.00	1.57	2.314
June.....	1.90	3.70	5.80	1.65	1.33	3.97	3.05	2.27	2.90	6.44	3.301
July .....	.40	3.90	3.57	3.66	2.27	7.10	1.79	4.45	.96	6.33	3.443
August.....	2.00	1.40	3.94	3.75	3.80	4.22	3.82	4.04	7.37	6.09	4.043
September.....	1.60	5.10	6.13	2.21	4.23	4.53	4.52	4.17	4.57	2.63	3.969
October.....	9.40	3.40	5.85	4.10	5.12	6.04	4.22	5.03	5.80	3.27	5.223
November.....	3.40	1.20	5.71	3.56	4.27	5.28	3.81	4.28	3.31	1.76	3.658
December.....	2.90	2.00	3.44	1.36	2.35	2.36	8.85	3.54	2.13	3.78	3.271
TOTALS	31.70	32.60	53.26	33.01	36.18	45.24	43.53	47.59	42.08	41.41	40.660

RAINFALL AT *Halifax, Oregon*

80

Lat. _____

Lon. _____

County of *York*

Rain Gauge, by _____

Observer *W. A. Parker, Esq., C.E.*

Once. Air & barom 8.

Diameter	8										
Height	1.3										
Altitude	990 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.51	.41	.94	6.47	8.19	2.79	6.29	2.13	1.98	2.20	3.591
February	4.56	5.47	3.99	2.82	3.41	4.01	1.01	.95	1.43	2.13	2.978
March	4.50	6.19	5.43	.96	2.55	2.41	3.19	2.63	4.60	5.05	3.751
April	2.28	2.69	5.80	2.87	1.97	2.15	3.29	1.36	3.74	4.32	3.047
May	3.22	2.55	1.78	1.38	2.58	3.71	4.62	2.63	1.17	2.56	2.650
June	4.01	2.62	5.09	3.96	1.26	3.65	2.04	.23	2.81	1.00	2.767
July	6.04	6.11	5.73	4.37	4.68	1.67	5.97	2.09	6.97	3.95	4.758
August	2.35	5.64	2.79	2.77	1.67	1.44	1.71	2.16	4.03	5.49	3.005
September....	4.84	2.90	2.12	8.38	2.74	5.80	3.05	5.41	1.30	2.53	3.907
October	4.58	5.12	5.25	7.01	4.42	8.05	6.36	3.09	1.70	5.93	5.151
November	5.74	6.23	9.08	5.91	2.46	3.54	3.95	3.68	10.74	1.41	5.272
December	7.05	5.04	5.08	4.06	7.43	1.90	7.01	2.91	2.81	3.28	4.657
TOTALS	49.68	51.27	58.08	50.96	43.36	41.12	48.49	29.25	43.28	39.85	45.534

RAINFALL AT

Halifax Ogden

Lat.

Lon.

County of

York WTR

Rain Gauge, by

Observer

J. A. Pasternik C.E.

Rise - Airs Galder 8

Diameter	8										
Height	1	3									
Altitude	990.5										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.59	3.55	4.69	1.53	6.04	4.50	1.96	2.86	3.94	7.19	4.185
February	1.13	.59	3.56	5.73	7.88	.77	1.88	3.48	4.50	2.36	3.188
March	3.92	2.88	1.42	1.33	4.14	3.61	6.01	5.30	1.61	2.54	3.276
April	1.85	2.59	1.84	1.16	2.89	2.78	2.43	2.97	3.75	3.40	2.566
May	3.85	3.79	3.93	2.35	2.67	.90	.63	1.78	3.44	3.57	2.691
June	4.07	2.00	4.34	2.76	3.73	2.50	4.07	4.32	3.10	2.39	3.228
July	2.71	3.28	3.20	3.71	4.02	7.41	2.46	1.76	1.32	2.12	3.199
August	6.74	8.20	4.35	3.25	4.48	5.31	2.26	4.45	5.46	2.03	4.653
September....	2.59	3.41	3.65	3.88	.89	2.25	7.78	4.21	.85	7.13	3.664
October	2.89	5.52	9.41	4.56	6.72	4.26	6.01	2.10	6.02	3.84	5.123
November....	6.71	4.65	3.07	4.13	3.23	5.36	1.85	4.89	3.84	2.34	4.007
December	1.29	10.16	2.74	4.70	4.08	5.34	5.54	6.32	5.20	3.68	4.905
TOTALS ...	43.34	50.62	46.20	39.09	50.77	44.99	42.88	44.44	43.03	42.59	44.795

1870-

RAINFALL AT *Halifax Ogden*

Lat.

Lon.

County of *York & R. Central*

Rain Gauge, by

Observer

J. A. Pashin Esq. Ch.

R. J. Hartley Esq. Ch.

Aire & balance 8

Diameter ..	8											
Height	1 3											
Altitude ..	990 T											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	5.49	3.16	2.80	3.65	4.18	2.01	6.80	1.80	3.19	2.36	3.54	4
February ..	4.61	2.09	1.50	4.31	5.40	2.26	3.17	2.41	2.72	2.27	3.07	4
March	1.05	3.44	2.06	5.78	3.01	3.29	3.20	3.57	3.93	3.46	3.27	9
April	2.28	3.02	2.24	1.91	2.60	3.12	1.95	2.94	2.98	3.96	2.70	00
May	1.69	1.46	3.41	3.81	3.16	.99	3.43	3.62	2.65	2.87	2.70	9
June	3.61	1.40	2.03	1.57	1.11	2.75	1.70	5.94	2.02	2.70	2.48	6
July	3.01	1.90	3.18	4.29	2.28	2.51	2.86	2.92	4.41	5.17	3.25	3
August	5.71	2.46	4.10	4.55	5.37	5.70	4.47	3.19	3.18	3.30	4.20	3
September ..	1.27	1.74	2.18	5.92	.97	2.54	1.00	1.05	3.16	3.70	2.35	3
October	5.52	2.44	4.62	11.37	1.52	3.84	7.23	6.06	2.80	4.39	4.97	9
November ..	5.10	5.68	3.01	3.21	3.42	5.03	5.24	2.88	2.76	1.64	3.79	7
December ..	5.32	8.67	4.23	2.54	2.86	1.28	4.36	4.32	3.14	6.12	4.28	4
TOTALS ..	44.66	37.46	35.36	52.91	35.88	35.32	45.41	40.70	36.94	41.97	40.66	4

Hals

RAINFALL at Halifax OgdenCounty of W YorkshreObserver R. J. Hantley Esq. C.E.River Basin Ouse - Aire - Calder 8* neglectedRain Gauge, by
in perfect order Sum: 7.95
8.65

Diameter ...	8										
Height	1.3										
Altitude ...	990.1										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.64	1.92	5.91	4.59	3.82	6.29	3.84	2.42	3.18	5.19	
February ...	4.56	5.29	2.49	1.93	3.23	4.54	5.77	.79	6.06	1.83	
March .....	.86	2.15	4.44	5.19	5.66	1.20	4.25	3.01	1.85	5.20	
April	3.66	2.13	1.34	4.61	1.62	1.70	2.88	1.62	1.06	1.98	
May	2.67	1.48	3.73	3.57	1.62	2.31	2.89	2.23	3.73	1.99	
June	3.06	3.78	7.32	2.23	2.52	.53	2.32	2.25	1.84	1.29	
July	3.84	.52	6.17	1.48	3.51	5.42	2.20	1.80	4.29	2.34	
August	5.31	2.51	6.82	1.40	2.78	5.75	3.23	6.14	2.29	3.09	
September ..	.31	3.46	1.98	2.15	2.58	.47	2.25	1.97	10.39	1.74	
October ...	4.10	4.55	5.19	2.81	3.00	2.03	8.07	7.40	2.69	2.71	
November ..	5.11	4.88	3.55	4.98	6.67	2.34	4.25	4.85	1.95	3.72	
December ...	5.68	5.87	5.62	3.15	7.66	8.29	3.41	2.34	6.68	6.85	
TOTALS ...	44.80	38.54	54.56	38.09	44.67	40.97	45.36	36.82	46.21	37.91	

* Inspected Oct. 17. x. 17. G. set in hole in stone on steep slope about 130 yds from meter on south side of reservoir. 2 ft above grass on upper side & 2 ft low on lower. Best position available.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Halifax N. H. OgdensCounty of W. YorksObserver R. J. Hartley Esq. C.E.River Basin Cuse-Clive-CaldersE. P. Brooke (22)Snowdon Rain Gauge, byW. J. Hartley5.02
4.01
4.98

no tube

suggested bottle

N+Z glass

correct (flat)

Diameter ...	5"										
Height	0 10					1.0					
Altitude ...	990										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	4.37	7.68	4.31	3.25	3.26	5.18	4.95	4.24	11.67	1.95	6.54
February ...	3.77	3.1	4.67	7.05	1.51	4.28	4.11	1.87	5.56	.90	1.70
March	3.03	3.37	3.18	2.39	1.38	2.07	2.51	4.57	2.69	.74	2.85
April	5.34	1.53	3.80	2.82	2.57	3.64	2.01	3.44	.89	1.51	3.66
May	5.51	2.11	1.03	4.29	5.26	5.27	4.29	1.59	1.89	2.28	2.05
June	2.72	.18	2.23	0.93	2.68	.03	2.90	3.92	6.64	1.34	2.38
July	7.80	2.42	5.01	3.83	4.87	1.45	3.40	2.84	1.20	2.63	6.49
August	1.85	5.88	5.94	5.06	4.68	3.68	4.20	7.22	5.32	4.10	6.02
September...	1.95	1.73	4.73	5.30	4.86	3.59	3.57	5.67	.57	1.24	6.71
October	2.39	2.83	.98	5.16	4.43	5.12	4.58	4.87	6.25	5.29	6.84
November...	2.94	2.94	2.26	6.65	3.42	2.86	6.67	4.77	7.77	7.76	7.15
December...	4.33	7.12	4.10	3.75	4.98	5.18	1.87	1.99	2.63	9.50	4.81
TOTALS...	46.00	38.10	42.24	50.48	43.92	45.35	45.36	46.99	52.28	39.24	54.00

Inserted 75.31.22 from side of reservoir sloping slightly down to reservoir (but only small fall to water) and sheltered sufficiently by a wall on S. Excellent position.

amended for book

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1925	53° 46' 15"	1° 24' W	Owendun	2 m	SSE	Halifax	4 m.	SSE.

RAINFALL at Halifax N.W. (Ogden)County of West Riding, Observer E. P. Brook Esq., C.E.River Basin Ouse-Aire-Calder-8. I. Oak Wood CE (1939)

Type of Gauge

Annual Average 43.5 in. based on 35 years obs. un-weighted. Period of average 1891-1915 Ref 5

660559/26

Diameter	5.										
Height	1.0.										
Altitude	990.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.51 (4.60)	2.74	3.57	2.21	3.06	4.85	6.28	5.87	2.66		
February	5.45 (1.30)	5.76	3.4	7.34	3.07	6.64	1.62	4.50	2.45		
March	4.40 (2.20)	2.65	4.03	2.18	2.51	3.34	1.33	3.32	3.32		
April	5.14 (3.50)	2.06	3.06	5.43	1.49	3.03	5.55	1.92	3.82		
May	4.65 (5.25)	2.60	2.43	8.4	1.39	2.75	3.71	1.57	1.98		
June	6.99 .65	2.14	2.48	3.90	4.63	2.86	4.01	2.93	1.68		
July	4.64 3.71	2.71	2.38	1.87	4.12	2.76	4.79	6.49	2.88		
August	6.18 1.49	1.66	3.14	1.46	2.78	1.46	5.96	4.03	1.52		
September	5.56 4.44	2.00	2.44	6.44	4.73	1.61	1.97	1.51	3.90		
October	3.77 6.99	4.95	4.88	9.84	3.88	2.85	9.03	3.22	4.36		
November	10.60 3.47	2.69	2.44	6.76	5.43	2.25	6.40	7.25	7.13		
December	3.32 1.75	1.69	6.14	4.08	5.03	2.66	4.00	2.75	3.27		
TOTALS	64.00* 63.21 (38.35) D	32.65 D	37.33 D	52.35 D	44.12 D	37.06 D	49.70 D	45.40 D	36.97 D		

1931 np big * amended for leak

1932. This gauge was installed on 1/VI. as 1930 & 1931 had been queried as too big.
Jan - May were amended by surrounding stations & proportionation. The 1932 total
was not published owing to the amendments.

1935. Record OK. † Disputed 6.4.38. Site affected by trees near gauge.
1.7.38. Gauge moved 1 yd. W. Not now set in concrete.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Holmfild	1 3/4 m	S.E.	Halifax	4 m.	S.S.E.

Station No. 3255 T.F.RAINFALL at Halifax W.H. (Garden)

41

County of West RidingObserver J. Noel Wood Esq. C.E.River Basin Durham - Aire - Calder 8H. F. Lea Esq. C.E. 1744

Type of Gauge.....

Annual Average 43.5 in, based on 35 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 660559/26

Diameter	5"										
Height	1' 0"										
Altitude	990'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.74	4.97	5.60	5.78	3.98	4.36	3.57	9.51	2.40		
February	5.80	2.06	2.88	1.62	4.76	5.90	4.00	3.84	3.60		
March	4.42	2.32	1.30	.39	1.10	1.52	7.54	1.64	1.94		
April	1.78	1.91	2.35	3.30	2.72	1.75	4.44	2.87	4.72		
May	2.57	3.79	3.15	2.72	3.57	1.86	4.04	1.18	3.09		
June	.46	1.36	3.83	3.20	3.90	2.99	2.97	4.97	.57		
July	.97	3.06	2.50	4.34	2.12	4.08	2.49	1.19	3.76		
August	5.46	4.06	5.01	3.46	5.37	6.62	.31	4.11	4.66		
September	.54	2.68	4.44	7.10	2.39	6.86	2.13	1.95	1.17		
October	5.27	5.19	2.57	4.55	6.17	12.0	1.27	2.14	4.65		
November	3.28	1.38	2.91	7.42	.68	7.39	6.33	1.96	6.75		
December	2.70	3.18	2.25	4.69	2.60	3.29	3.97	4.02	7.57		
TOTALS	36.99	36.56	38.79	43.17	39.36	47.82	43.06	39.38	45.44		

1942 n.p. low. Other agrees to Farn Knees.

1943 n.p. about 4 in. low

1944 n.p. low. 1945 n.p. low

1946 Superior status of sheltered by wall. Chert & set up on other side of embankment.

1947 Superior status of sheltered by wall. Chert & set up on other side of embankment.

1947 n.p. low

See 3255/1

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No. SE 064 306

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

Station No. 3255/1 J.F.

RAINFALL at Halifax W.W. (Ogden) 41

County of West Riding Observer J. Noel Wood Esq. C.E.
 River Basin Ouse - Aire - Calder - S H. F. Lea Esq. C.E. 1944
 Type of Gauge A.C. W. 1230.1.14.52 (1-VI.50)

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. 660.559/26

Diameter				077	949			5'				
Height					1			1' 0"				
Altitude				41				990'				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January					100	4.43	3.66	9.47	2.46	2.71		
February						5.92	3.97	3.70	3.60	6.64		
March						1.58	7.71	1.83	1.94	2.32		
April					100	1.77	4.54	2.91	4.72	4.87		
May					3.62	1.87	4.08	1.25	3.09	2.28		
June					3.95	3.05	2.95	4.78	.57	1.19		
July					2.12	4.10	2.53	1.26	3.96	4.36		
August					5.35	6.62	.32	4.27	4.66	6.98		
September					2.40	6.90	2.19	2.08	1.17	6.43		
October					6.13	1.20	1.35	2.20	4.65	2.40		
November					.68	7.37	6.50	1.96	6.75	6.70		
December					2.64	3.27	4.05	4.16	7.57	2.66		
TOTALS					100	48.08	43.85	39.87	45.14	47.01		
					D	17	D	7	D	D		

1946 W.P. Check.

1947 Adopt as representative instead of 3255

1948 To be moved 58ft from tree

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

Station No. 3255/2RAINFALL at Ozen (Chick Gauge No 2)

41

County of. YorksObserver H. Z. Lea Esq. C.F.River Basin Ouse Aire Calder 8A.C. WILDSMITH, Esq. (i.v.i. 50)

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. 660559/26

Diameter											
Height											
Altitude											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January							3.64	9.30	1.89		
February							4.13	3.37	2.76		
March						2.18	8.03	1.50			
April						1.94	4.13	2.83			
May						2.11	4.32	1.22			
June						2.83	2.97	4.80			
July						3.84	2.19	1.12			
August						6.37	36	4.13			
September						6.85	1.85	1.72			
October						1.33	1.42	1.78			
November						7.17	6.13	1.75			
December						3.69	3.90	3.54			
TOTALS						np inc.	43.07	37.06			

1947. n.p. low

1948. moved to against new position, is about 53' SW, on 10 July

1948 n.p. low.

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

Station No. 325571 ^{T.F. 44}RAINFALL at Halifax N.W. (Roden) 51County of West Riding - Yorks.Observer CP G. Williams Esq., C.E.River Basin Ure - Aire - Calder &A.L. Gandy Esq. B.S. (W.A.S.)Type of Gauge MK1A (inspection)Annual Average in. based on 12 years obs. un-weighted. Period of average 1916-50 Ref. 660589/28" " 42-34 " " 12 " " 1946-47 " " " "

File No.

Diameter ...	5"										
Height ...	1'0"										
Altitude ...	990'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.75	4.23	1.38	3.63	2.26	6.40	3.71	4.27	3.28	5.85	
February ...	3.44	1.36	3.19	4.24	3.18	1.76	3.48	7.27	.48	3.49	
March ...	4.65	2.65	2.02	2.89	3.04	1.67	3.62	2.29	1.81	2.23	
April ...	2.08	2.87	3.31	.52	1.62	3.70	.37	1.30	4.15	2.50	
May ...	4.21	2.95	2.35	3.34	3.29	1.37	1.49	5.35	2.18	2.24	
June ...	1.21	3.02	3.38	2.22	2.56	3.83	2.03	5.87	3.82	1.39	
July ...	3.37	1.56	4.28	3.59	.73	5.91	3.69	4.44	2.77	5.65	
August ...	4.69	5.30	5.34	8.49	.91	8.52	4.65	4.13	1.36	5.42	
September ...	2.88	4.27	3.36	4.78	2.08	4.17	5.42	4.67	.37	3.27	
October ...	1.43	5.13	2.22	7.76	2.57	1.86	5.49	3.91	4.93	6.25	
November ...	9.69	2.37	5.12	6.42	2.67	1.39	2.63	1.33	5.34	7.46	
December ...	7.56	4.02	2.12	7.41	6.10	5.22	4.91	5.62	7.88	5.17	
TOTALS ...	49.96	39.73	38.07	55.29	31.01	45.80	41.49	50.45	38.37	50.92	
	D	D	D	D	D	D	D	D	D	D	

Inspected 15.8.55 Mr. Oaks. Gauge sound, measure verified. Site of N. Paviour
Experiments (13.5.48, letter file) indicated this site as best available.
Aug. 1957. G. tested & found sound.

Position of Station on Ordnance One-Inch map :

No. of Map 96National Grid Reference 44/062306

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
				Comp 1945 up 46 ✓	