

RAINFALL AT *Holmbridge, Messenden Tce* 80

Lat. Lon. County of *York N.R.*
 Rain Gauge, by Observer *J. Stanway Esq.*

Quase Aire & border 8

Diameter						8					
Height						1	0				
Altitude						1270					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January							4.85	1.81	1.57	2.81	
February							99	1.15	1.19	2.44	
March							3.18	1.85	3.24	2.66	
April						2.31	3.42	1.64	3.22	3.76	
May						2.95	6.12	3.29	1.06	3.32	
June						4.36	2.03	.56	3.53	.65	
July						1.84	4.28	2.01	8.63	4.41	
August						1.80	2.81	1.98	4.05	7.26	
September...						4.59	3.66	4.77	1.73	4.68	
October						7.36	5.76	3.87	2.36	7.38	
November...						2.91	2.47	3.06	9.94	2.39	
December...						1.84	6.33	2.99	3.16	3.11	
TOTALS							45.90	28.98	43.98	44.87	

Rejected from survey. 5" low.

RAINFALL AT *Holmbridge Wessenden Head*

Lat. _____

Lon. _____

County of *York W.R.*

Rain Gauge, by _____

Observer *J. Stanway Esq*
J. W. Schofield Esq

Cause. *Wire + ladder 8*

Diameter	8											
Height	1.0											
Altitude	1270											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.66	4.15	5.05	1.45	4.74	2.10	2.02	1.70	2.73	7.66	3.726	
February ....	.94	.69	3.35	6.76	8.68	1.06	2.24	3.11	2.56	1.56	3.095	
March	4.69	2.60	1.32	.79	3.63	4.07	5.84	4.40	2.22	1.81	3.137	
April	2.27	2.86	2.11	.90	3.56	2.86	2.12	3.32	3.16	4.02	2.718	
May	4.13	4.30	5.60	2.56	3.26	2.04	.57	1.34	4.34	3.52	3.166	
June	4.00	2.92	4.69	2.39	4.47	2.92	3.44	3.99	3.51	1.22	3.355	
July	3.79	3.71	4.09	4.83	4.00	7.35	3.09	4.18	1.17	2.37	3.858	
August	6.53	10.75	5.82	3.15	5.62	3.85	2.16	3.75	6.05	2.70	5.038	
September....	2.14	4.49	5.68	4.68	1.10	1.41	8.07	4.52	.74	6.93	3.976	
October	4.33	7.60	8.85	4.16	7.25	5.25	6.04	2.54	5.17	4.36	5.555	
November....	7.68	5.58	4.06	4.65	3.36	4.61	2.61	4.67	2.47	2.32	4.201	
December ....	.66	10.87	2.25	6.27	4.04	4.46	5.51	5.38	4.94	2.75	4.713	
TOTALS . . .	46.82	60.52	52.87	42.59	53.71	41.98	43.71	42.90	39.06	41.22	46.538	

Rejected for survey 5" low

RAINFALL AT *Wessenden Head*

Lat.

Lon.

County of *York W.R. Central*

Rain Gauge, by

Observer

J.W. Schofield Esq.

Use. Diner balder 8

Diameter ..	8										
Height	10										
Altitude ..	1270 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.40	2.05	3.75	4.48	4.07	2.61	4.26	3.12	2.12	2.84	3570
February ..	3.99	1.68	1.23	5.13	4.64	1.32	1.94	1.10	3.85	2.80	2768
March ....	.91	4.48	2.30	6.76	2.26	4.07	4.86	3.94	3.89	3.04	3651
April	2.83	2.65	2.67	2.07	4.28	3.74	1.43	2.93	1.37	4.02	2799
May	1.58	2.10	3.48	5.53	3.30	1.30	3.71	3.35	4.85	3.40	3260
June	4.60	1.93	2.35	2.00	1.73	2.87	2.31	7.35	2.46	3.22	3082
July	3.70	4.24	3.40	4.24	3.03	3.27	2.25	2.72	4.07	6.39	3731
August	6.29	2.84	4.17	6.03	4.99	5.01	4.45	5.71	3.02	5.17	4768
September..	1.94	.79	3.45	5.85	1.16	4.30	1.61	.76	3.99	2.97	2132
October	5.66	3.84	6.26	9.74	2.48	3.21	5.36	5.74	2.40	6.91	5160
November ..	3.71	6.68	2.24	4.03	2.52	4.32	5.40	5.54	2.85	.38	3767
December ..	6.21	4.87	4.21	2.27	2.79	3.14	2.68	4.14	2.69	6.46	3946
TOTALS ..	47.82	38.15	39.51	58.13	37.25	39.16	40.26	46.40	37.56	47.60	43.184

Reputed from survey 5.10.11

RAINFALL at Wessenden HeadCounty of W.R. YorkshireObserver J.W. Schofield by Edgar Jones byRiver Basin Ourse Aine Calder 8J.W. Amstrong by C.E.panicle. Revised Rain Gauge, by
7.95 796 800 790.Old gauge

Diameter ...	8										
Height	1 0										
Altitude ...	1270T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS Total 5
January ...	2.34	2.40	3.88	4.38	4.36	8.52	5.40	2.32	3.99	5.45	17.16
February ...	8.51	3.42	3.23	2.36	3.61	4.51	6.24	.62	7.47	1.82	16.15
March	1.31	3.44	4.52	7.39	6.06	1.98	4.05	3.05	2.23	4.91	14.24
April	4.35	2.75	1.82	4.52	1.69	2.19	1.93	1.84	1.85	5.01	10.63
May	3.32	2.50	4.72	3.63	2.84	2.19	2.51	2.48	3.17	2.89	11.05
June	3.42	1.91	5.42	3.13	3.74	1.86	3.72	2.07	2.31	(2.02)	10.12
July	6.40	2.83	3.27	1.86	3.24	5.35	2.36	2.00	4.83	3.68	12.87
August	3.56	3.89	9.79	2.24	3.25	5.41	2.25	7.69	4.19	4.26	18.39
September ..	1.45	4.41	2.25	2.36	2.66	.67	3.36	3.03	12.36	3.22	21.97
October ...	2.63	3.84	4.98	3.83	3.14	2.14	7.58	7.01	3.37	3.77	21.73
November ..	2.93	5.78	1.78	4.67	5.95	2.56	4.31	5.91	3.08	3.87	17.17
December ...	7.57	7.58	7.89	3.40	8.74	9.40	3.86	2.88	9.12	6.30	22.16
TOTALS ...	47.79	44.75	53.55	43.77	49.32	46.78	47.57	40.90	57.97	47.20	193.64

1919. June corrected by new gauge.

+ 27. I. 15. C. on N end of Res. on bank. Very bad exposure. Gauge cracked under flange. Suggested new g. near valve chamber in sheltered position on level. Bank 50 ft. high and.

Revised from Survey. S. low.

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

RAINFALL at Wessenden HeadCounty of W. Yorksh.Observer J. W. Arncliffe Esq. C.E.River Basin Grave. Aire Calder 8

Rain Gauge, by _____

Hawfange

Diameter ...						8					
Height						10					
Altitude ...						1200					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...						5.03	2.91	4.32	6.80		
February ...						6.44	1.07	8.25	2.10		
March						1.87 [†]	4.33	3.85	2.49	6.82	
April						2.21	3.48	2.22	1.82	2.45	
May						2.37	3.58	2.85	3.60	2.29	
June						1.86	4.58	2.17	2.33	2.44	
July						5.60	2.76	2.14	5.37	3.52	
August						5.66	2.45	8.44	4.31	4.69	
September ..						.66	3.62	3.05	14.61	3.23	
October ...						2.66	8.97	9.09	3.99	3.78	
November ..						3.19	5.32	5.74	2.86	3.83	
December...						10.64	4.71	3.19	9.49	5.97	
TOTALS ...						55.27	46.72	63.44	47.92		

†: Fixed Mar 2nd 1915Rejected from Survey. 3rd 1915

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

RAINFALL at Messenden HeadCounty of N. YorksObserver J. W. Armitage Esq. C.E.River Basin Cuse - Aire - Calder SCalderdale & Wharfedale

Rain Gauge, by _____

Diameter ...	8										
Height	10										
Altitude ...	1270										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	5.00	7.00	2.32	4.67	2.79	3.62	3.99	4.15	7.51		
February ...	5.43	60	4.72	4.46	1.50	5.40	4.06	1.31	4.97		
March	3.06	4.26	3.24	2.50	1.31	2.17	1.85	5.10	2.18		
April	6.37	2.10	4.02	3.22	2.03	3.05	2.75	3.75	1.24		
May	5.28	2.60	1.45	5.14	6.48	3.18	4.62	1.46	2.77		
June	3.41	.52	3.09	1.12	1.90	.07	3.47	4.23	5.69		
July	8.79	1.73	4.78	4.42	3.50	2.33	3.35	3.16	1.55		
August	2.54	6.40	5.04	4.50	3.67	4.08	4.53	5.68	4.19		
September...	2.10	1.05	4.77	3.82	4.76	3.00	3.35	6.18	.63		
October	1.77	2.48	1.27	4.23	5.38	4.69	3.03	3.33	4.98		
November...	1.66	2.40	2.97	4.92	1.97	2.51	4.63	4.74	6.77		
December...	4.69	6.50	4.09	3.71	4.66	3.58	2.76	1.38	2.33		
TOTALS...	50.10	37.64	41.76	46.76	39.95	37.68	42.39	45.02	44.21	N.R.	#

1925 N.P. Low.

1926 N.P. ..

1927 N.P. Low

1928 N.P. - unsatisfactory due exposure of 66061/26.

F. 60601/26

2/28 Inspected by Mr. Corless. see green file

~~Rejected from survey. 5" low.~~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
1927.			Messenden			Messenden		

RAINFALL at Wessenden HeadCounty of N. YorksObserver J. W. Armistage Esq. B.E.River Basin Cuse. Area. Calder SMossfield 1650.

Rain Gauge, by

New Gauge

Diameter ...	8											
Height	1 0											
Altitude ...	1200											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean	1920-30 Totals
January ...	3.92	7.92	2.76	5.23	3.31	3.99	4.77	4.59	9.79	1.84	7.36	55.48
February ...	5.22	6.7	5.89	5.62	1.68	7.15	4.47	1.69	5.32	.60	1.19	39.50
March	2.74	4.30	3.53	2.32	1.50	2.24	1.73	5.38	2.63	1.27	3.47	31.11
April.....	6.71	2.39	4.32	3.77	2.36	2.98	2.86	4.64	1.35	1.63	3.35	36.36
May	6.66	2.66	1.72	5.12	6.95	4.62	4.61	1.46	2.13	2.80	2.73	41.46
June	3.68	2.9	3.49	1.41	2.14	.06	3.21	4.34	6.04	1.20	3.38	29.24
July	8.89	1.19	5.63	4.76	4.06	2.56	3.40	3.45	1.68	2.61	8.34	46.57
August	2.74	7.11	7.26	4.86	4.81	4.51	5.12	7.04	4.62	4.57	4.68	57.32
September...	2.21	1.21	4.68	4.34	5.27	3.80	3.59	7.05	.66	1.93	4.96	39.70
October.....	2.13	2.71	1.49	4.96	5.73	5.43	3.16	4.61	5.29	5.53	6.33	47.37
November...	1.84	2.81	3.21	5.42	2.88	2.37	5.31	5.28	7.24	8.87	6.23	51.46
December...	4.79	8.18	5.12	4.30	5.38	4.11	2.58	1.79	2.88	8.64	4.01	51.78
TOTALS...	57.53	41.44	49.10	52.11	46.07	43.82	44.81	51.32	49.63	41.49	56.03	527.35

X/28 Impacts by 17 Colours per green

1930. 4. in 6ft. square iron hurdle fence 6ft. high.

Reputed from survey 3' low.

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
1927			Wessenden			Wessenden		

RAINFALL at Wessenden Head (702.9)*County of West Riding Observer J. W. Archibald, Esq., C.E.River Basin Ouse-Aire-Calder-8. J. P. Beveridge Esq., C.E. (1936)

Type of Gauge.....

Annual Average 45.5 in. based on 100 years obs. un-weighted. Period of average 1881-1915 Ref. S

660601/26

Diameter	8.										
Height	1.0.										
Altitude	1270 1200.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	4.83	4.40	3.45	3.61	2.58	4.92	5.32	7.41	6.58	(2.43)	45.53
February	6.41	.63	6.29	.33	7.66	2.27	6.02	2.53	5.63	(2.14)	40.01
March	.46	3.17	3.46	3.93	2.60	5.06	4.45	1.71	4.02	4.44	33.30
April	4.79	4.10	1.49	2.98	4.36	2.78	2.74	.73	3.34	3.32	30.63
May	3.33	6.04	1.81	3.12	.80	1.97	3.22	5.05	2.29	1.19	28.82
June	6.17	.40	3.42	2.14	4.82	5.31	2.75	5.02	4.70	1.11	35.84
July	5.59	6.61	3.96	3.38	2.10	4.72	3.42	6.11	8.61	4.75	48.15
August	7.42	2.61	2.02	3.27	1.94	2.86	1.88	4.42	2.46	2.91	31.79
September	4.25	6.67	2.43	2.64	7.54	6.18	2.47	2.65	2.15	5.26	41.24
October	2.65	7.64	4.49	5.29	11.57	6.31	3.42	11.33	3.46	6.05	62.31
November	6.65	3.67	2.01	3.30	8.87	7.39	3.29	6.43	8.97	10.00	60.58
December	3.17	2.38	0.64	7.68	3.19	4.08	2.96	5.29	4.75	5.67	39.81
TOTALS	55.72	46.12	35.47	41.67	58.03	53.95	41.94	58.68	57.16	49.27	498.01

* Gauge in 6ft. square iron hurdle fence, 6ft. High. (B.R.) Deleted B.R. 1936.
 1914 Fence round gauge has been altered, it enlarged, in order to comply with Inspection Report of 19th Oct. 1928
 1940. Jan-Mar Feb. appointed for snow.

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

Station No. 3187

RAINFALL at Wessenden Head

41

County of West RidingObserver J. P. Beveridge Esq. C.E.River Basin Ouse - Aire - Calder - S

Type of Gauge

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

File No. 66.05.01/26

Diameter	8"			078	475						
Height	1' 0"			1							
Altitude	1270'			41		1200'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	(4.23)	4.20	7.35	8.36	4.31	6.86	4.10	13.21	2.71	3.72	59.05
February	(6.62)	1.27	4.00	2.68	6.63	7.54	(1.68)	3.49	3.38	7.65	45.44
March	6.66	2.96	2.14	.53	1.89	2.55	(8.05)	1.94	2.16	2.59	31.77
April	4.27	2.91	2.83	3.33	2.85	2.50	5.02	2.76	5.16	5.60	37.23
May	3.20	4.24	3.61	7.21	3.92	2.60	3.73	2.42	3.49	3.21	37.63
June	1.03	1.59	4.21	3.19	7.81	4.64	3.50	5.17	.86	2.74	34.74
July	2.24	5.65	3.25	3.50	1.80	6.12	2.73	2.73	4.06	3.93	36.01
August	8.29	7.20	6.78	5.81	4.52	6.70	.24	6.52	3.80	6.63	56.49
September	.73	3.97	5.18	6.41	3.91	7.98	2.91	3.28	1.84	8.37	44.58
October	5.84	8.37	3.04	5.56	7.89	2.19	1.58	3.22	4.80	2.82	45.31
November	4.30	1.74	4.08	9.52	1.00	11.07	8.55	2.75	8.04	7.97	59.02
December	3.37	4.62	2.99	4.41	3.44	4.49	5.31	5.18	10.06	3.25	47.12
TOTALS	50.78	48.72	49.46	60.51	49.97	65.24	47.40	53.17	50.36	58.78	534.39

1941 Jan & Feb. off-taken.

1947 Feb 9 man. noted for snow

30004

60004

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. 3187

51

RAINFALL at Wessenden HeadCounty of West Riding - Yorks

Observer

J. P. Beveridge Esq. C.E.River Basin Ouse - Aire - Calder &Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted.

Period of average

Ref.

50.10 " " 35 " " 1916-19501916-1950

File No.

660621/26P

Diameter ...	8"			078	475				5"			
Height ...	1' 0"				1							
Altitude ...	1200'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	6.30	4.36	2.64	4.95	3.85	5.83	4.93	6.10	5.63	7.00	51.59	
February ...	4.80	1.58	2.86	3.42	2.36	1.96	4.36	8.49	4.7	3.56	33.86	
March ...	7.55	3.22	3.28	3.44	3.41	2.12	4.71	5.58	2.62	2.10	38.03	
April ...	3.09	4.65	4.62	1.06	3.19	3.85	1.11	1.56	6.16	2.99	32.28	
May ...	4.89	2.62	3.02	4.24	4.76	1.97	1.52	5.91	2.54	3.27	34.74	
June ...	1.56	3.36	6.39	4.99	4.43	3.69	2.43	5.88	2.15	2.47	37.35	
July ...	3.63	3.23	7.72	6.56	1.61	9.78	5.81	6.47	3.70	7.86	56.37	
August ...	7.32	4.56	5.39	8.20	.90	12.75	6.91	5.67	.76	7.06	59.52	
September ...	3.49	5.42	3.68	7.02	2.97	6.18	7.95	5.64	.88	3.49	46.22	
October ...	1.38	6.90	3.52	9.59	3.32	3.76	6.76	5.11	4.06	8.52	53.46	
November ...	12.51	3.19	4.47	8.56	2.69	2.07	3.83	1.52	5.97	5.70	50.51	
December ...	9.08	4.68	2.37	8.42	6.56	5.90	5.44	6.09	9.88	5.79	64.21	
TOTALS ...	65.60	47.77	49.96	70.45	40.05	59.80	55.76	64.02	44.92	59.81	558.14	

INST. MAY 1958 J.B.O.K. Personal note. Weekly and Monthly.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

SE/058077

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

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