

RAINFALL AT Messenden, Holly Bank Moss

Lat. _____

Lon. _____

County of York

W.R.

Rain Gauge, by _____

Observer J. Stanway Esq.

J. W. Schofield Esq.

Rise - Aie - Galden 8

Diameter	8											
Height	1.0											
Altitude	1360	T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January		2.33	1.75	.95	2.52	1.13	.95	1.35	2.09	5.34		
February ....	.87	33	1.03	2.75	5.47	.92	1.05	2.52	1.78	1.16		
March	3.09	1.81	.73	.27	2.42	3.06	3.23	3.56	1.60	1.27		
April	1.54	2.12	1.35	.38	2.12	1.64	1.00	2.74	2.19	3.01		
May	3.24	2.82	2.37	2.21	2.92	.78	.30	1.01	3.47	2.60		
June	2.86	2.29	2.99	1.45	3.10	2.53	2.70	3.42	2.42	.95		
July	2.39	1.91	1.82	3.69	2.19	5.55	2.40	2.80	.82	1.71		
August	4.67	5.90	3.65	1.84	3.55	2.31	1.20	3.07	5.15	1.96		
September....	.93	2.62	2.84	3.16	.87	.98	6.32	3.74	.44	5.37		
October	1.63	4.50	6.20	2.50	5.58	3.87	4.76	2.22	4.04	3.02		
November....	3.81	3.04	2.34	2.64	2.03	2.71	1.92	3.75	1.86	1.54		
December ....	.47	5.36	1.08	2.71	3.01	2.74	4.34	4.28	3.70	1.94		
TOTALS		35.03	28.15	24.55	35.78	28.22	30.17	34.46	29.56	29.87		

"Holly Bank Moss gaugings are very low. I really cannot understand why there should be such a great difference between it and Messenden Stead which is only half a mile distant" [J. W. Schofield] 12-1-92

Rejected from survey 12-1-92.

RAINFALL AT *Wessenden Hallin Bank Moss*

Lat.

Lon.

County of *York W.R. Central*

Rain Gauge, by

Observer *E. W. Schofield Esq*

One. One + balder?

Diameter ..	8										
Height	1.0										
Altitude ..	1360 ^T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.81	1.47	2.50	3.50	2.73	1.78	3.13	1.76	1.36	2.62	2.566
February ..	3.06	1.19	.80	3.79	2.86	.86	1.33	.49	1.70	4.21	2.029
March ....	.56	3.23	1.47	5.25	1.79	2.72	2.92	2.79	2.68	3.46	2.687
April	2.13	1.82	1.88	1.31	3.21	3.02	.84	1.83	.94	5.60	2.258
May	1.14	1.56	2.69	4.64	2.71	.95	2.47	1.71	3.39	4.25	2.551
June	3.72	1.38	2.00	1.49	1.39	3.05	1.55	4.96	1.77	3.16	2.447
July	2.72	3.88	2.36	3.87	2.40	2.53	1.45	2.12	4.40	8.02	3.375
August	4.52	2.10	3.19	4.62	4.39	4.82	3.32	3.32	2.69	6.36	3.933
September ..	1.44	.53	2.32	4.80	.80	3.16	.91	.60	4.79	3.63	2.298
October	4.13	2.67	4.27	7.33	1.50	2.12	4.35	4.65	3.09	8.58	4.269
November ..	2.74	5.57	1.61	2.47	1.81	4.27	3.68	4.09	4.01	.25	3.050
December ..	4.49	3.52	3.10	1.43	2.09	2.06	1.18	2.73	2.64	10.08	3.332
TOTALS ..	35.46	28.92	28.19	44.50	27.68	31.34	27.13	31.05	33.46	60.22	34.705

†.

H.W.B.

†. 1907 ? small

Rejected from Survey 12" low.

RAINFALL at Wessenden Hollin Brook MossCounty of W Yorksh

Observer

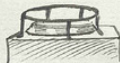
J. W. Schofield Esq Edgar Jonsky
J. W. Ammitage Esq et alRiver Basin Grav. Aire Calder 8Glaisher Rain Gauge, by Nr 2

Diameter ...	8										
Height	1 0					10.6			1.0		
Altitude ...	1360 T								1280		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.29	3.88	5.47	6.84	5.17	10.60	2.96	1.42	2.82	4.16	
February ...	11.25	5.86	6.24	3.48	5.32	3.06	3.61	.60	6.11	1.43	
March	2.46	4.41	6.09	10.01	8.87	.93	2.68	1.87	1.74	4.71	
April	6.96	4.57	2.95	7.84	2.68	1.32	1.57	.90	1.84	5.21	
May	3.93	4.02	7.10	5.31	4.00	1.64	2.44	2.50	3.17	(2.26)	
June	4.39	2.52	7.78	5.72	4.48	1.50	2.67	1.93	2.04	1.82	
July	7.90	3.96	4.90	2.35	4.95	4.29	1.11	1.59	4.68	3.28	
August	7.34	4.90	15.85	2.96	4.99	4.14	1.84	6.50	3.39	3.81	
September ..	2.44	6.79	4.14	3.66	4.62	.41	2.19	1.99	13.29	2.34	
October ...	3.94	3.42	8.09	6.29	5.71	1.59	4.85	6.72	3.47	3.73	
November ..	2.64	11.13	3.75	9.20	9.87	1.45	2.64	3.75	2.08	3.00	
December ...	10.22	11.29	12.83	4.70	11.83	5.86	2.21	1.67	6.84	6.65	
TOTALS ...	67.76	66.75	85.19	68.36	72.49	36.79	30.74	31.44	50.87	(42.40)	

1916 Not painted but

1917 g. repaired 11.17

1919. May. 1.50 in. deducted for tampering.



+ 27. I. 15 Cl. S. in box in 6 ft. open iron rail enclosure on top of
 exposed roof. Flange cracked about 2 months previous (now repaired)
 Iron grid above funnel (to be removed). No obvious reason for recent
 readings.

Revised from Survey 12.1.19.

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

RAINFALL at Wessenden, Holly Bank, Mass.County of N. Yorks.Observer J. H. Armistage Esq. C.E.River Basin Cuse-Aire Calder 8Wessenden Falls, 1911Glaisher Rain Gauge, by N. J.

Diameter ...	8										
Height	10										
Altitude ...	1250										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	3.21	5.41	2.50	4.48	2.89	2.47	2.88	1.90	7.46	.39	7.77
February ...	4.38	.53	4.13	4.73	.75	4.67	2.19	1.17	2.90	.26	1.24
March	2.78	3.36	3.03	2.42	1.15	1.24	.53	3.33	1.61	.87	3.39
April	6.37	1.82	3.86	2.82	1.95	1.64	2.18	2.59	.97	1.05	3.57
May	4.97	2.71	1.64	3.85	5.47	3.57	3.41	.97	1.92	2.33	2.82
June	3.51	.36	3.00	.62	1.37	.02	2.49	3.11	5.03	1.07	3.35
July	8.66	1.52	5.17	3.17	3.13	1.91	2.97	2.57	1.01	2.50	8.27
August	2.40	6.27	6.66	3.52	2.40	3.30	3.35	5.63	3.26	4.11	4.54
September...	2.03	.99	5.62	2.94	4.20	2.79	2.44	5.13	.51	1.90	5.06
October	2.27	2.55	1.37	3.68	4.58	3.84	2.63	3.24	4.61	5.78	6.46
November...	1.57	2.49	2.74	3.73	1.75	2.06	3.83	4.91	4.84	9.52	6.00
December...	3.98	6.06	3.80	2.86	4.39	2.53	1.15	.91	1.88	9.26	3.78
TOTALS...	46.63	34.07	43.52	38.84	33.53	30.04	29.95	35.46	36.00	39.14	56.19

1925 H.P. low

1926

1927 A.P. low

1928 N.P. 10% 12" low.

1930 R. moved from top to bottom of bank, June 12, 1929. Encls 20" 66060/36

Rejected from survey, 12" 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 (Holly Bank Moss)County of West RidingObserver J. W. Armistage, Esq., C.E.River Basin Ouse - Aire - Calder - 8J. P. Beardridge, Esq., C.E. (1936)

Type of Gauge.....

Annual Average 25.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 660601/26

Diameter	8.											
Height	1.0.											
Altitude	1280.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	<u>Means</u>	<u>Totals</u>
January	4.95	5.50	3.89	3.82	2.40	5.35	6.34	7.58	6.75	(2.54)	49.17	
February	6.29	.60	6.29	.34	7.36	2.74	6.88	2.55	5.98	(2.22)	41.25	
March	.70	2.72	3.72	4.22	2.71	5.30	4.53	1.74	4.22	4.37	34.43	
April	4.95	4.42	1.73	3.21	4.53	2.95	2.94	.71	3.46	3.72	32.62	
May	3.36	6.29	1.98	3.23	.94	2.04	3.34	5.14	2.31	1.20	29.83	
June	5.75	.49	3.46	2.59	4.81	5.43	3.05	5.11	4.64	1.23	36.58	
July	5.75	5.41	4.16	3.49	2.19	4.87	3.41	5.93	9.12	4.43	48.76	
August	7.21	2.32	2.13	3.23	1.94	2.97	1.85	4.36	2.48	2.98	31.47	
September	5.35	5.23	2.64	2.96	8.04	6.00	2.48	2.55	2.06	5.46	42.67	
October	2.69	7.47	4.82	5.52	11.62	6.72	3.40	11.61	3.63	6.03	63.51	
November	7.16	3.77	2.10	3.27	9.24	7.98	3.61	6.61	8.89	9.64	62.27	
December	3.69	2.47	0.71	8.19	3.33	5.00	2.54	5.43	4.83	4.98	41.17	
TOTALS	57.85	46.69	37.53	44.07	59.11	57.35	44.37	59.32	68.39	48.85	513.73	

1940. Jan. & Feb. apportioned for snow.

NB. G. moved to selected site 1/1/39. Catch OK. Previous record from old site rejected from January to 12th Nov.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

Station No. 3188

RAINFALL at Wessenden (Holly Bank Moss)

41

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

Type of Gauge

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

File No. 660601/26

Diameter	8"		078	488							
Height	1' 0"			1							
Altitude	1280'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	(4.15)	4.83	7.54	8.90	4.73	7.15	4.36	13.00	2.75	3.76	61.17
February	(6.76)	1.53	4.26	2.85	6.63	8.04	1.21	4.19	3.49	7.49	46.45
March	7.53	3.16	2.21	.51	1.83	2.62	8.70	2.23	2.07	2.91	33.77
April	4.50	3.05	2.96	3.51	2.85	2.53	5.47	3.09	5.18	5.71	38.85
May	3.34	4.76	3.65	6.49	4.04	2.63	4.00	2.40	3.47	3.22	38.00
June	1.09	1.59	4.21	3.43	7.74	4.52	3.74	5.26	.80	2.67	35.05
July	2.21	6.12	3.31	3.43	1.92	6.11	2.91	3.10	3.76	4.27	37.14
August	8.81	7.07	6.78	5.78	4.48	6.82	.25	6.57	3.64	7.13	57.33
September	.66	3.91	5.37	6.45	3.86	8.00	3.08	3.32	1.93	9.29	45.87
October	5.14	8.26	3.17	5.68	8.04	2.29	1.56	3.28	4.74	2.85	45.21
November	4.28	1.70	4.51	9.61	1.00	11.21	8.90	2.55	8.00	8.25	60.01
December	3.21	4.99	3.29	5.04	3.61	4.64	5.92	5.39	10.08	3.47	49.64
TOTALS	51.68	50.97	51.26	61.68	50.73	66.56	50.10	54.38	50.11	61.02	548.49

1941. Jan & Feb. affected for snow.

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. 3188RAINFALL at Wessenden (Holly Bank Moss)

51

County of West Riding - Yorks

Observer

J. P. Beveridge Esq. C.E.River Basin Cass - Aire - Calder - SType of Gauge SnowdonAnnual Average in. based on 23 years obs. un-weighted. Period of average 1916-57 Ref. 260601/26" " 54.18 " 23 " 1916-57

File No.

Diameter ...	8"		078	488								
Height ...	1'0"			1								
Altitude ...	1280'			51				444 * 1065				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means (1916-57)	
January ...	7.10	5.46	2.71	4.73	3.76	6.24	5.43	6.11	5.45	7.54	54.53	
February ...	5.47	1.96	2.73	3.87	2.56	1.87	4.52	8.50	.47	3.59	35.54	
March ...	7.84	3.14	3.33	3.37	3.34	2.21	4.76	5.17	2.66	2.17	37.99	
April ...	3.30	4.76	4.69	1.06	3.07	3.78	.99	1.62	6.22	3.05	32.54	
May ...	4.66	2.59	3.11	4.23	4.96	2.09	1.48	5.81	2.63	3.13	34.69	
June ...	1.63	3.36	6.30	4.81	4.40	3.89	2.64	6.28	2.44	2.43	38.18	
July ...	3.65	3.27	7.61	6.56	1.57	9.86	6.13	6.58	4.23	7.87	57.33	
August ...	7.30	4.72	5.71	8.15	.88	12.78	6.36	6.05	.68	7.29	59.92	
September ...	3.41	5.44	3.60	6.95	3.18	6.02	7.90	5.85	.38	3.49	46.22	
October ...	1.46	7.00	3.56	9.25	3.38	3.95	7.37	5.51	4.77	8.29	54.54	
November ...	11.98	3.02	4.48	8.59	2.60	2.36	3.90	1.64	6.35	5.68	50.60	
December ...	9.63	4.90	2.33	8.46	7.03	6.04	5.42	6.51	10.36	5.78	66.46	
TOTALS ...	67.43	49.62	50.16	70.03	40.73	61.09	56.90	65.63	46.64	60.31	568.54	

INST. MAY 1958 J.B.M. Weekly and Monthly. Reasonable etc * Moved 12/6/29.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE 064082

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
	✓ np 16	✓ np 25-28	✓	✓	