

# Rainfall at *Harewood, Bridge, House.*

60

*H. C. Roberson*

Diameter of Gauge, ..... in.

Height above Ground, *1.* ft. .... in.

Above Mean Sea Level, *108.* ft.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.03					
February - -					<i>1.43</i>	1.01					
March - - -					2.06	.93					
April - - -					1.73	.99					
May - - - -					1.49	1.53					
June - - - -					1.55	.61					
July - - - -					.95	1.40					
August - - -					.90	4.65					
September -					1.39	.23					
October - -					3.62	4.00					
November -					2.04	3.30					
December -					2.14	1.03	<i>4</i>				
TOTALS -						23.35					

*✓ C*

*1865 Mar 20*

RAINFALL AT *Flanagan and Arthington*

Lat.....

Lon.....

County of.....

*York W.R.*

Rain Gauge, by.....

Observer.....

*E. J. Lillie, Esq. C.E.*

Diameter .....	.8	.	.	.	.	.	.	.	.	.	.	.
Height .....	.9	.	.	.	.	.	.	.	.	.	.	.
Altitude .....	140.	.	.	139 <sup>ft</sup>	.	.	.	.	.	.	.	.
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.35	.75	4.04	3.31	2.02	3.92	.88	4.31	3.16	1.31	2.605	
February .....	1.96	2.66	2.74	1.10	1.20	1.55	2.32	2.21	1.29	3.18	2.021	
March .....	1.41	1.34	2.13	3.06	2.19	.69	5.01	3.03	1.55	1.21	2.162	
April .....	.79	3.41	3.44	.54	1.23	.68	2.16	4.06	2.25	2.50	2.106	
May .....	1.39	.91	1.62	2.57	1.02	1.51	.74	2.27	4.53	1.43	1.799	
June .....	1.50	3.57	5.69	1.41	.96	2.36	2.25	1.77	4.32	4.65	2.848	
July .....	.80	2.77	4.23	2.76	2.16	3.14	2.25	4.28	.77	3.65	2.681	
August.....	1.59	1.06	3.39	2.38	2.30	2.03	2.47	4.76	7.17	3.70	3.085	
September.....	.86	6.33	4.42	1.79	1.86	3.23	3.06	3.02	3.52	1.66	2.975	
October.....	7.23	3.29	5.39	2.30	2.43	4.22	3.14	3.93	2.66	.74	3.533	
November.....	2.22	.81	4.74	1.84	2.70	3.86	3.06	3.36	3.64	1.20	2.743	
December.....	3.11	1.54	4.46	.44	3.06	1.03	6.92	2.90	1.81	1.54	2.681	
TOTALS .....	25.21	28.44	46.29	23.60	23.13	28.22	34.26	39.90	36.67	26.77	31.239	

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# RAINFALL AT *Harewood, Arthington*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

*Yorks, W. R.*

Rain Gauge, by \_\_\_\_\_

Observer *E. F. Fildes, Esq., & Co.*

*Cuse. Wharf - 10*

Diameter ....	8										
Height .....	9										
Altitude ....	1897										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.19	.36	3.05	4.17	4.74	1.75	4.19	2.26	.83	.79	2.233
February ....	2.47	4.07	2.07	2.10	2.57	2.49	.60	.73	1.01	1.80	1.991
March .....	2.24	4.14	2.34	1.35	1.90	1.46	2.40	1.60	3.54	2.68	2.395
April .....	2.90	1.91	4.24	2.95	2.16	1.36	1.91	.57	2.88	2.99	2.381
May .....	2.13	2.00	1.24	.95	1.08	2.00	4.60	1.91	.80	2.73	1.944
June .....	2.49	1.84	4.32	3.28	.95	2.82	.96	.06	2.46	.27	1.975
July .....	4.79	3.59	3.74	3.77	5.08	1.01	3.13	1.32	5.25	1.84	3.852
August .....	1.12	4.13	1.56	1.27	.89	1.09	1.86	2.02	1.93	3.59	1.956
September....	4.20	2.53	2.20	4.48	1.78	3.23	1.41	2.70	.54	1.17	2.424
October .....	5.65	4.06	3.83	3.72	1.58	4.97	4.41	2.15	.50	3.90	3.477
November....	2.16	3.68	4.38	2.70	1.08	2.12	1.72	2.29	6.15	.88	2.716
December ....	4.25	3.95	3.27	1.27	2.88	.81	4.22	1.75	2.06	1.83	2.629
TOTALS ....	34.59	36.26	35.94	32.01	26.69	25.11	31.41	19.30	27.95	24.47	29.473



# RAINFALL AT

*Harewood Arthington*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *York W.R.*

Rain Gauge, by \_\_\_\_\_

Observer *J. Newson Esq. C.E.*

*Ouse-Wharfe 10*

Diameter ....	8											
Height .....	0 9											
Altitude ....	139 $\pi$											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.62	1.41	1.54	.95	3.94	4.09	.63	2.26	1.36	4.26	2.406	
February ....	.95	.04	2.80	4.15	5.59	.34	.83	2.79	1.94	1.75	2.118	
March .....	1.84	1.30	1.26	.59	2.34	2.37	3.02	3.75	1.21	1.48	1.916	
April .....	.95	1.59	1.66	.80	4.00	2.22	1.41	1.87	2.55	1.98	1.903	
May .....	2.51	1.44	2.83	2.58	1.88	.51	.66	1.35	2.01	3.37	1.914	
June .....	2.21	1.10	4.01	1.98	3.09	3.02	3.47	4.55	1.20	1.21	2.584	
July .....	2.06	2.99	1.73	4.77	2.28	5.49	1.71	.81	1.04	1.67	2.455	
August .....	4.12	3.91	3.09	3.02	2.60	2.90	2.36	3.17	3.69	1.25	3.011	
September....	1.92	1.56	1.58	1.56	.75	1.04	3.96	2.43	1.09	3.87	1.976	
October .....	.66	4.04	7.46	2.70	4.90	3.44	5.02	1.64	4.58	2.90	3.734	
November....	3.07	2.82	2.17	2.53	1.60	4.02	1.79	2.23	3.46	1.00	2.469	
December ....	.57	4.35	.86	4.01	2.42	3.60	3.98	3.57	3.00	3.13	2.979	
TOTALS ....	24.78	26.55	30.99	29.64	35.39	33.04	28.84	30.42	27.13	27.87	29.465	

1890—

# RAINFALL AT *Harewood, Arthington*

Lat. ....

Lon. ....

County of *York W. B. Northern*

Rain Gauge, by .....

Observer *J. Newton Esq. C.E.*

*C. G. Hensgill Esq. C.E.*

*Wharfe - 10.*

Diameter ..	8										
Height ....	0 9										
Altitude ..	139 $\pi$										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.93	2.44	1.42	2.79	3.04	1.13	5.68	1.44	1.54	1.75	2.616
February ..	6.67	1.44	1.31	3.37	4.75	2.28	2.86	2.23	1.86	.68	2.745
March ....	.44	2.47	1.04	4.35	2.27	3.64	2.12	2.39	4.58	4.18	2.748
April .....	1.39	2.91	1.83	1.68	2.30	2.82	.86	1.75	3.42	3.68	2.264
May .....	1.11	1.03	3.46	4.40	3.57	1.10	2.68	4.64	3.12	1.85	2.696
June .....	4.46	1.18	1.86	2.42	1.55	1.49	1.44	5.03	1.43	4.12	2.498
July .....	2.86	2.79	2.51	4.03	4.42	1.65	1.70	2.64	3.64	3.35	2.959
August ....	4.35	1.26	3.92	4.09	4.55	5.48	2.86	2.19	1.81	3.90	3.441
September ..	.63	1.54	1.51	5.29	1.30	1.86	.75	1.03	4.05	1.69	1.965
October ....	3.95	2.08	4.29	9.59	.84	2.84	5.91	7.93	2.04	2.81	4.228
November ..	3.47	4.80	2.56	2.46	3.18	6.36	3.96	3.63	2.10	1.34	3.386
December ..	3.08	4.82	3.29	1.72	2.58	.48	2.06	4.82	2.06	5.43	3.034
TOTALS ..	37.34	28.76	29.00	46.19	34.35	31.13	32.88	39.72	31.65	34.78	34.580

*H. B.*

063 381

10 3314

RAINFALL at Harewood, NottinghamCounty of W. Yorks.Observer C. G. Henszell Esq. C.E.River Basin Once - Wharfe 10

Rain Gauge, by \_\_\_\_\_

Diameter ...	8											
Height .....	0 9											
Altitude ...	139 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.65	1.28	6.03	4.19	1.63	4.55	1.71	3.29	2.99	5.30		
February ...	3.17	3.03	2.90	1.04	2.12	4.94	4.99	.70	3.94	2.44		
March .....	7.1	1.85	4.64	4.35	3.79	1.14	4.70	3.16	1.62	5.83		
April .....	3.15	1.25	.35	3.54	1.13	1.05	1.69	2.02	.80	2.05		
May .....	2.46	1.15	3.91	3.51	1.23	1.77	3.01	2.81	3.23	2.20		
June .....	1.87	3.56	6.25	1.95	2.06	.63	2.09	1.83	.93	1.19		
July .....	3.11	.43	5.04	.81	6.16	4.91	2.95	1.05	3.75	2.96		
August .....	4.27	2.76	7.27	1.74	1.87	3.52	2.23	7.00	2.68	2.29		
September ..	.09	3.46	1.97	1.39	1.47	.82	2.37	1.29	9.27	1.45		
October ...	4.53	3.35	3.76	3.90	3.07	2.01	5.62	5.65	2.10	4.14		
November ..	5.01	3.88	2.29	2.60	4.77	2.56	4.28	3.32	1.49	2.72		
December ...	3.92	6.08	3.16	2.12	8.51	8.44	2.65	2.04	6.91	6.72		
TOTALS ...	35.94	32.08	47.57	31.14	37.81	36.34	38.3	234.16	39.71	39.69		

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



RAINFALL at Harewood, ArthingtonCounty of N. B. YorkshireObserver C. F. Hengell Esq. G.E.River Basin Guse-Wharfe 10(1925) H. Shortland Esq. C.F.

Rain Gauge, by \_\_\_\_\_

Feeds Water Works.

Diameter ...	8											
Height .....	0 9											
Altitude ...	139											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	5.07	4.77	5.22	2.24	2.54	2.68	3.22	2.18	5.86	1.92	4.58	
February ...	2.33	07	3.94	6.08	.89	5.63	2.65	1.34	2.60	.77	.95	
March .....	3.04	1.95	2.15	1.92	1.69	.99	1.22	2.17	2.72	.06	2.71	
April .....	5.00	1.58	4.31	3.15	2.04	4.78	1.47	2.11	1.05	1.35	3.22	
May .....	3.31	1.46	1.41	3.66	4.27	5.41	2.82	1.92	2.65	1.50	1.64	
June .....	2.17	.16	1.72	.71	2.23	.05	5.26	2.67	5.81	.94	1.98	
July .....	7.86	1.36	6.02	4.37	3.96	1.20	2.98	5.63	.67	2.25	4.97	
August .....	1.89	5.28	5.90	3.41	2.96	3.07	3.15	6.95	4.25	2.06	3.21	
September...	1.47	1.13	3.81	3.34	3.75	3.32	1.55	3.68	.40	.50	3.42	
October .....	4.50	2.50	1.19	3.90	3.69	4.20	3.32	2.19	4.82	3.17	2.91	
November...	1.80	3.97	1.54	3.84	2.99	3.29	5.76	3.05	3.61	4.49	3.93	
December...	3.55	2.99	5.36	3.79	3.86	3.89	.71	2.50	1.77	5.93	2.76	
TOTALS...	41.99	28.22	42.57	40.41	34.87	38.51	34.11	37.46	34.21	25.34	36.28	

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Harewood (Arthington)County of West RidingObserver H. Shortreed, Esq., SERiver Basin Ouse-Wharfe-10R. W. Farnham Esq., C.E. (1939)

Type of Gauge.....

Annual Average 32.0 in. based on 35 years obs. un-weighted. Period of average 1891-1925 Ref. 3

780902/27

Diameter .....	8.										
Height .....	0.9.										
Altitude .....	139										
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January .....	2.30	2.08	1.86	1.90	1.54	2.42	3.27	3.69	5.04	2.47	
February .....	2.58	.85	4.52	.21	5.17	2.46	5.49	1.54	2.91	2.15	
March .....	.67	1.83	2.07	2.69	.96	2.75	2.50	.21	2.02	2.17	
April .....	3.61	2.86	1.63	3.47	2.04	1.62	2.95	.14	1.11	3.55	
May .....	3.12	4.69	3.80	1.59	1.12	1.93	2.71	3.32	1.17	.56	
June .....	5.25	.73	1.72	1.89	2.89	4.62	2.42	2.23	1.89	.25	
July .....	4.24	3.79	2.43	1.97	.48	3.30	1.87	3.59	6.79	4.78	
August .....	3.88	1.14	0.67	1.69	1.63	2.01	.44	4.05	1.98	.51	
September .....	4.79	2.23	1.56	2.79	5.55	2.74	1.33	2.23	1.09	2.18	
October .....	1.04	3.80	3.60	2.70	5.89	2.04	2.31	4.64	2.52	3.21	
November .....	5.09	1.78	3.14	1.89	5.73	3.28	1.71	3.64	4.32	4.23	
December .....	.94	1.13	0.86	5.36	2.94	2.27	2.75	4.23	2.15	2.60	
TOTALS .....	37.51	26.41	27.76	28.25	33.94	33.64	29.75	33.51	32.99	28.66	

Inspected June 1934:- Gauge badly overheltered. Recommend moving to a selected new site (Elmhurst) with  
 flat bottom should be replaced by one of the taller pattern.

1933 low np.

1935. Gauge moved 350 yds due S in March 1935.

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	Parish Church.	Distance from gauge	Direction



Station No. T.F. 3314

RAINFALL at Harewood (Arthington)

41

County of West RidingObserver K. L. Forster Esq. C.E.River Basin Gus Wharf - 10.

Type of Gauge.....

Annual Average <sup>No. years for which</sup> 22.9 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 789902/27

Diameter ....	8"		063	381							
Height ....	0' 9"			1							
Altitude ....	139'			41							
Year ....	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January ....	4.24	4.33	3.99	4.07	3.23	2.99	2.70	6.35	1.12	1.90	
February ....	3.48	1.20	1.44	1.39	3.05	3.30	3.85	1.88	1.59	5.08	
March ....	4.16	2.29	.65	.24	.62	1.43	5.56	1.22	1.10	.83	
April ....	2.06	1.56	1.39	2.00	2.08	1.72	3.02	2.28	2.36	2.86	
May ....	1.46	3.02	2.12	1.14	2.59	2.88	4.26	1.45	2.01	1.82	
June ....	.16	.88	2.11	2.51	2.70	1.91	2.86	3.84	.71	.85	
July ....	2.29	2.14	1.34	3.17	1.97	3.55	2.47	1.06	2.45	3.00	
August ....	2.48	2.77	2.62	3.02	2.89	4.25	.68	4.48	2.17	4.17	
September ....	.34	1.93	2.77	4.74	1.65	4.63	1.46	1.43	1.19	2.99	
October ....	3.68	2.58	1.95	3.44	4.29	1.28	1.30	1.07	3.20	1.67	
November ....	2.94	1.29	2.49	4.73	.90	5.42	2.62	1.06	4.37	3.82	
December ....	.86	1.90	1.51	3.70	2.17	2.83	2.74	2.60	3.89	1.86	
TOTALS ....	28.61	25.83	24.34	34.15	27.54	36.19	33.52	28.72	26.16	30.72	

1947 figs. fully off  
1948 picked up again

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. 3314 T.S. 41

RAINFALL at St. Harewood (Arthington)

51

County of West Riding - Yorks.

Observer

H. L. Forster Esq. C.E.River Basin Dunsmuir - Wharfe - 10Type of Gauge 1.0.Annual Average 32.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

61. no longer applies

File No. 7829/2/27 E23380/58

Diameter ...	8"		063	381				5'			
Height ...	0'9"			1				1'2"			
Altitude ...	139'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.71	2.94	.37	2.19	1.92	4.25	1.68	2.32	3.09	5.15	
February ...	3.16	.47	2.20	2.61	1.97	1.35	2.76	5.48	.10	2.19	
March ...	3.37	1.82	.59	1.80	2.33	1.04	1.91	1.90	1.56	2.04	
April ...	1.28	1.85	2.26	.16	.92	2.76	.34	.70	3.19	1.07	
May ...	5.56	1.66	1.42	3.70	3.30	.77	1.10	3.62	.90	0.87	
June ...	.53	1.83	1.81	2.09	1.51	2.74	1.45	3.11	1.59	1.34	
July ...	1.95	1.01	2.97	1.20	1.00	4.14	2.93	3.44	2.18	5.54	
August ...	4.63	2.95	3.73	6.63	.95	5.88	5.41	2.16	.86	3.16	
September ...	2.54	2.85	2.03	2.31	1.32	4.03	4.15	3.32	.08	3.36	
October ...	1.16	3.39	1.86	4.10	2.03	1.48	2.74	1.95	2.60	5.17	
November ...	7.10	1.77	3.10	4.85	2.37	.49	1.85	.69	3.94	5.44	
December ...	2.98	2.07	1.33	3.18	3.96	3.01	3.42	3.98	5.49	2.94	
TOTALS ...	36.9	24.11	23.47	34.88	23.58	31.94	29.74	32.67	25.58	38.27	

Arch. II 1949 J.B.O.K. Trees 80-90, 120-140, NW-SW. g. ground.  
 Informal list by Engineer g. more 60' SE. No surf. wall.

av. 30.16 in. based on 21 yrs. obs. within 1936-57. 1" low. o/s. Period of w. 1916-50 - S

g. Turf wall

- Registered

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE 261 452

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
	✓	✓	✓ up 33-34	✓	