

# RAINFALL AT

Res. Ringstone (old)

80  
1912

Lat. ....

Lon. ....

County of York

8"

Rain Gauge, by

Observer

W. A. Corp. & C. C. C. Smith  
Engle

Cuse. Ave + Calder St

Diameter ....	8"										
Height .....	1' 0"										
Altitude ....	990 T. ft.										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....			2.99	5.12	8.08	2.48	5.84	1.98	1.42	2.38	3.79
February ....			3.26	2.05	1.89	4.02	.61	.86	.48	2.66	
March .....			3.61	1.52	2.44	2.28	3.26	2.17	3.65	2.54	
April .....			5.45	3.11	2.42	2.01	3.65	1.53	2.74	3.82	
May .....	<i>No records</i>	<i>No records</i>	1.80	1.17	1.14	2.42	5.63	2.48	1.03	2.90	
June .....			5.62	3.91	1.08	3.28	1.63	31	2.65	.69	
July .....			4.45	2.72	3.51	1.48	6.16	2.16	6.49	3.16	
August .....	<i>No records</i>	<i>No records</i>	2.75	1.96	1.55	1.58	2.11	2.83	4.84	5.20	
September ....			2.23	1.01	2.02	4.20	3.86	4.06	1.10	2.68	
October .....			4.49	4.40	1.78	6.32	5.54	3.30	1.86	5.98	
November ....			5.32	4.93	1.25	2.97	2.93	2.86	8.92	1.49	
December ....			4.58	2.35	4.65	2.10	5.42	3.15	2.95	3.09	
TOTALS ...			46.55	40.05	31.81	35.14	46.64	29.69	38.13	36.59	

\* Doubtful - total for five months - 16.86 ins.

# RAINFALL AT *Rishworth Rington Res 6625.*

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of *York W.R.*  
 Rain Gauge, by \_\_\_\_\_ Observer *C. Clemasha Smith Esq C.R.*

*Use - Air & Golden S*

Diameter ....											9	
Height .....											16	
Altitude ....											990	
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....										7.97		
February ....										2.39		
March .....										2.81		
April .....										3.40		
May .....										3.82		
June .....										1.86		
July .....										1.71		
August .....										1.76		
September....										7.69		
October .....										4.15		
November....										2.09		
December ....										3.25		
TOTALS. . .	37.57	47.45	42.79	35.84	49.96	41.44	42.30	44.53	41.98	42.90	43.07	

# RAINFALL AT

Res  
Ringstone (new)

19 JAN 1912

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

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

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

York

5°

Rain Gauge, by Snowden

Observer

W. J. B. B. B.

Base Aire & Calder 8

C. Clemesha Smith Esq CE

Diameter ....	5"											
Height .....	1'0"											
Altitude ....	990 ft.											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	6.37	3.46	4.24	1.31	5.40	3.11	2.08	1.66	3.40	7.92		
February ....	.76	.36	2.70	5.34	8.16	.68	2.09	4.30	4.37	2.44		
March .....	3.58	2.66	1.08	1.43	5.37	3.62	6.44	5.76	1.45	2.83		
April .....	2.14	2.75	1.76	1.04	2.90	3.00	2.22	3.89	3.74	3.41		
May .....	3.51	3.73	4.55	2.23	2.59	.88	.53	1.38	3.51	3.85		
June .....	3.32	2.58	4.46	2.26	3.65	3.10	3.28	4.03	3.39	1.87		
July .....	3.52	3.31	3.05	3.88	3.75	6.24	1.79	1.63	1.07	1.71		
August .....	5.28	6.78	4.21	2.68	4.31	3.68	2.15	3.96	5.59	1.77		
September ....	1.73	3.83	4.35	3.60	.65	1.56	8.84	3.90	.68	7.57		
October .....	3.29	6.83	8.24	4.14	6.55	5.45	5.53	2.55	6.37	4.07		
November ....	5.94	3.93	3.22	3.68	3.24	4.83	1.68	5.34	2.96	2.06		
December ....	.68	10.30	2.13	4.89	4.08	5.63	5.89	6.13	5.53	3.23		
TOTALS . . .	40.12	50.52	43.99	36.48	50.65	41.78	42.52	44.53	42.06	42.73	43.538	





# RAINFALL AT *Rishworth Ringstone Reservoir*

Lat. ....

Lon. ....

County of *York W.R. Central*

Rain Gauge, by .....

Observer *C. Clunisha Smith Esq. C.E.*

*Airs & Balder 8*

Diameter ..	5											
Height ....	10											
Altitude ..	990 <sup>T</sup>											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	5.86	2.48	3.31	5.49	4.73	1.75	6.49	1.80	4.14	2.51	3.856	
February ..	4.40	1.47	1.41	5.27	4.82	1.79	4.01	3.10	2.95	1.97	3.119	
March ....	1.23	4.25	2.18	6.97	2.56	4.11	3.98	3.79	3.63	3.65	3.635	
April .....	2.93	2.24	1.99	2.07	3.17	3.37	1.58	3.49	1.99	3.64	2.647	
May .....	1.97	1.50	3.02	4.29	3.66	.57	3.71	4.54	2.33	2.17	2.776	
June .....	3.69	2.02	1.62	1.39	1.17	3.05	1.89	7.30	1.99	2.63	2.675	
July .....	2.99	3.05	2.83	3.38	3.55	2.13	1.99	2.51	3.62	5.19	3.124	
August ....	5.66	2.57	3.93	5.01	5.06	4.95	3.10	3.94	3.97	3.00	4.119	
September ..	1.26	.93	2.79	5.69	1.19	2.75	1.26	.63	2.86	2.53	2.189	
October ....	5.92	3.36	4.84	10.94	1.36	3.47	7.53	7.04	2.26	5.33	5.205	
November ..	4.40	6.79	2.71	2.58	2.87	5.14	5.85	3.34	2.35	1.47	3.750	
December ..	6.35	5.72	4.62	3.25	3.04	1.20	3.03	5.02	2.48	7.19	4.190	
TOTALS ..	46.66	36.38	35.25	56.33	37.18	34.28	44.42	46.50	34.57	41.28	41.285	

1900 Wall 4' 6" high 90 ft W  
1901 Rishworth Station

+ Inspected

RAINFALL at Rickworth Rivingstone ReservoirCounty of W. Yorksh. & L.Observer C. Clemens Smith Esq. C.E.River Basin Grave Ouse Calder &Snarfedale Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	10										
Altitude ...	990 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.22	2.28	5.48	4.19	3.81	6.10	4.00	2.13	3.26	5.09	
February ...	4.49	5.47	2.55	1.83	3.93	5.15	5.66	1.04	6.96	1.05	
March .....	1.09	2.04	4.56	6.97	4.92	1.20	4.54	3.24	2.10	6.01	
April .....	3.38	2.44	1.17	5.14	1.86	1.64	2.86	1.56	1.23	1.83	
May .....	2.96	1.60	4.25	2.90	2.22	2.27	3.75	2.13	2.43	2.23	
June .....	4.36	2.82	5.45	2.16	2.48	1.51	2.58	2.84	1.38	1.46	
July .....	3.29	.39	5.51	1.15	4.06	4.57	3.24	1.72	4.43	3.33	
August .....	5.06	2.41	7.32	1.57	2.70	5.94	2.88	8.04	2.52	4.28	
September ..	.19	3.22	2.58	2.21	2.85	.58	2.21	2.18	14.32	1.98	
October ...	3.46	3.98	4.88	2.72	3.12	2.01	8.68	6.77	3.74	3.23	
November ..	4.27	5.83	3.42	5.09	6.43	2.58	4.51	4.36	2.37	4.21	
December ...	5.16	6.56	6.56	3.00	8.57	8.98	3.07	2.12	8.17	7.27	
TOTALS ...	42.93	39.04	53.73	38.93	46.95	42.53	47.98	38.13	52.91	41.82	
	2	2	2	2	2	2	2	2	2	2	

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Ripponden</u>					



RAINFALL at Rishworth Ringstone Reservoir (OLD) N<sup>o</sup> 1 20County of N. B. YorkshireObserver G. Clemesha Smith Esq G.E.River Basin Guse. Aire - Calder &Walsby's Capt. W.Snowdon Rain Gauge, by Canada

Temp. from (XII-22) 5.00 all over. New lined can to be provided.

Diameter ...	5"											
Height .....	1	0										
Altitude ...	990					980						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEANS
January ...	5.56	7.72	3.91	4.24	3.00	5.80	4.40	3.95	11.53	1.67	6.76	
February ...	4.38	3.0	5.19	6.75	1.04	7.06	3.80	1.41	5.34	4.5	1.03	
March .....	3.95	4.28	3.57	2.70	1.46	1.62	1.49	4.68	2.82	1.08	2.61	
April .....	7.02	1.75	4.57	3.49	2.64	2.89	1.88	2.89	1.02	1.22	2.90	
May .....	6.41	2.06	1.33	4.11	5.32	4.27	4.89	1.44	1.65	3.46	1.86	
June .....	3.49	2.8	2.76	1.96	2.45	0.8	2.92	3.54	6.53	1.11	2.09	
July .....	9.51	2.13	5.57	4.61	4.01	1.37	2.98	2.35	1.53	1.71	6.32	
August .....	2.01	6.12	6.37	4.69	5.30	4.00	3.61	7.89	4.48	3.72	7.27	
September...	2.20	1.72	4.24	3.87	5.70	3.81	3.13	5.82	1.60	1.34	5.68	
October .....	2.34	3.41	1.21	5.54	6.21	6.47	4.34	4.54	5.65	5.38	6.58	
November...	2.33	2.31	2.69	6.63	2.61	2.92	5.84	5.89	7.37	9.05	5.58	
December...	4.84	7.43	5.58	3.87	6.74	4.73	1.52	1.77	3.26	8.50	3.74	
TOTALS...	54.04	39.51	46.99	51.46	46.48	45.02	41.10	41.04	51.78	38.69	52.42	

Inspected 13.5.11.22. 3. at top of long gentle valley sloping to NW. Wall 4ft high 50 yds W. 170 yds S. 3. is probably over-exposed to NW. Oldy. was alongside, though 25 yrs previous it had been on other side of reservoir.

Inspected 10.8.31 by Dr Glaspoole — see green file.

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
1920			Ripponden				

Rishworth

NEW GAUGE

3214  
20RAINFALL at Ringstone ReservoirCounty of YorkshireObserver Wakefield CorporationRiver Basin Cuse-Aire - Calder, 8.G. Clemesha Smith, Esq., C.E.

M.O. Rain Gauge, by

Diameter ...					- 3"						
Height .....					1' 0"						
Altitude ...					962						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN
January ...					3.37	6.57	5.08	4.46	12.98	1.81	7.80
February ...					1.34	7.73	4.19	1.60	6.08	.50	1.19
March .....					1.64	1.86	1.68	5.44	3.10	1.04	2.95
April .....					2.82	3.28	2.16	3.56	1.77	1.29	3.34
May .....					5.62	4.52	5.81	1.70	1.76	3.73	2.29
June .....					2.61	.11	3.16	4.13	7.19	1.17	2.34
July .....					4.36	1.54	3.30	2.66	1.76	1.81	6.73
August .....					5.68	4.15	4.08	8.87	4.67	4.14	7.69
September...					5.91	4.00	3.61	6.30	.62	1.56	5.91
October.....					6.53	7.01	4.79	5.25	5.87	5.99	7.15
November...					2.96	3.00	6.47	6.22	7.87	9.79	5.87
December...					7.27	4.97	1.76	1.81	3.51	9.98	3.90
TOTALS...					50.11	48.74	45.59	52.00	56.58	42.81	57.16

Inspected 5.12.22 C.E. Site for check g. 100 yds. WNW Stone wall 16 yds NW.  
Gully 20 yds N.E. running round to W. Not a good site.  
Inspected 10.8.31 by Dr. Glasspoole - see green file.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1925			Ripponden					



RAINFALL at Rishworth (Ringslone Res.) No. 1County of West Riding, Observer C. Clemesha Smith, Esq. C.E.River Basin Ouse-Aire-Calder-8

Type of Gauge.....

Annual Average 43.2 in. based on 40 years obs. ~~un-weighted~~. Period of average 1881-1915 Ref. S

666310/26

Diameter	.....	5.										
Height	.....	1.0.										
Altitude	.....	980.										
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....	4.66										
February	.....	6.33										
March	.....	4.40										
April	.....	4.07										
May	.....	3.49										
June	.....	7.59										
July	.....	4.16										
August	.....	6.33										
September	.....	3.63										
October	.....	2.47										
November	.....	7.68										
December	.....	2.55										
TOTALS	.....	53.36										

T at end of 1931, Incl. 35A

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

RAINFALL at Richworth (Rampton Bo.) West.County of West RidingObserver C. Clemens Smith Esq. C.E.River Basin S. Ouse - Aire - CalderWakefield Corp. W.W.

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....  
C 1982. 666 310/26.

Diameter	5"											
Height	1' 0"											
Altitude	940'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January		6.44	4.7									
February		4.5	4.4									
March		2.91	3.47									
April		5.26	1.61									
May		5.22	2.41									
June		8.5	3.01									
July		2.96	3.44									
August		2.24	1.24									
September		4.66	1.75									
October		7.88	5.31									
November		3.78	2.00									
December		2.45	0.67									
TOTALS		46.10	33.52									

H. T. see letter of 10/11/33.

This site is about 130' W of "lower" site.

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

RAINFALL at Rishworth (Ringstone Res.) No 2 Lower (1932)County of West Riding Observer C. Clemesha Smith, Esq. C.E.River Basin Ouse-Aire-Calder-8 Wakefield Corp. W.W.

Type of Gauge.....

Annual Average ~~45.5~~ in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. 1 W.S.  
(1939) 46.9 14 666310/26

Diameter	5.											
Height	1.0.											
Altitude	962.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	
January	5.15	6.88	4.16	4.01	2.21	5.29	4.04	7.15	6.78	3.48	4.915	
February	7.29	4.44	4.40	3.34	7.62	3.20	0.65	2.27	5.50	2.58	4.029	
March	4.45	3.07	3.48	3.75	2.03	3.02	3.82	1.27	3.40	3.94	2.793	
April	4.28	5.34	1.63	2.72	4.64	2.27	2.76	6.64	3.04	3.22	3.054	
May	3.54	5.12	2.39	3.90	.91	1.21	2.73	4.61	1.24	1.53	2.713	
June	7.81	.83	2.99	2.52	4.30	5.35	2.51	5.56	3.28	.84	3.619	
July	4.35	3.94	3.41	3.67	1.92	3.90	2.41	5.25	7.55	4.18	4.108	
August	6.47	2.38	1.23	3.70	1.92	1.92	2.15	4.76	2.14	2.07	2.874	
September	3.66	4.89	1.76	3.13	8.08	5.90	2.18	2.08	1.83	4.99	3.850	
October	2.64	7.94	5.22	5.17	11.47	5.65	3.05	11.83	3.46	5.80	6.223	
November	8.00	3.94	2.00	2.62	8.12	7.20	3.05	7.47	5.76	9.18	6.034	
December	2.82	2.52	0.67	5.73	3.08	6.09	2.72	5.43	3.80	4.21	3.707	
TOTALS	56.46	47.29	33.34	41.26	56.30	51.20	38.27	58.32	50.78	46.02	47.724	
	D	D	D	D	D	D	D	D	D	D	D	

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. 3214 T.F.

RAINFALL at Richworth (Ringstone Res) Lower

41

County of West RidingObserver Whitfield Capt. W.W.River Basin Ouse - Aire - Calder - B

Type of Gauge.....

Annual Average 46.9 in. based on 14 years obs. ~~un-weighted~~. Period of average 1881-1915 Ref. I.W.S.  
(1939)File No. 666310/26

Diameter	5"		0.77	3.35							
Height	1' 0"			1							
Altitude	962'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.00	5.35	7.22	7.50	5.13	6.84	4.49	11.03	2.59	3.85	5670
February	5.72	1.69	3.90	2.21	6.76	7.46	3.79	4.10	3.69	7.40	4672
March	6.34	2.78	1.81	57	1.67	2.46	7.00	2.47	1.61	2.87	2958
April	3.10	3.17	2.93	3.81	3.36	2.24	5.64	2.88	4.50	4.30	3593
May	2.45	4.75	3.48	3.72	4.62	2.80	4.46	1.36	4.57	3.20	3541
June	.91	1.50	3.51	3.40	5.59	4.65	3.81	5.35	.78	1.72	3122
July	1.58	3.99	2.82	4.01	2.17	5.94	2.56	2.39	4.07	3.24	3277
August	7.37	5.84	5.40	4.30	4.91	6.28	.34	5.18	2.70	5.55	4787
September	.63	3.04	4.82	6.21	3.22	8.19	2.83	2.37	1.02	6.98	3931
October	5.31	6.15	2.78	4.94	7.02	1.45	1.44	2.55	5.65	2.75	4004
November	4.16	1.69	3.96	3.20	.93	10.86	7.52	1.92	6.80	5.57	5181
December	2.88	4.43	3.02	5.13	3.15	4.72	5.26	4.92	8.64	3.22	4537
TOTALS	43.45	44.38	45.65	55.00	48.53	63.09	49.14	46.52	46.62	50.35	49273

1948 New gauge installed

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	Parish Church.	Distance from gauge.	Direction

BRITISH RAINFALL ORGANIZATION

Station No. 3214 T.F. 43RAINFALL at Ridworth (Ringside Res.)

51

County of West Riding - YorksObserver W. W. WakefieldRiver Basin Don - Aire CalderType of Gauge 110.4155/46Annual Average 46.9 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. J.W.S." " 48.54 " " 29 " " with 1924-57 " " 1916-50 File No. 666310/26

Diameter ...	5"		077	835								
Height ...	1' 0"			1								
Altitude ...	962'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	5.12	4.70	1.81	3.80	3.26	5.67	4.66	5.46	4.78	6.22	45.48	
February ...	4.41	1.46	1.90	3.26	2.97	1.50	3.61	7.58	3.7	4.27	31.33	
March ...	6.20	2.76	2.97	3.61	2.72	2.03	3.65	2.81	2.03	2.04	30.82	
April ...	3.03	3.92	4.30	.63	2.11	3.33	.44	1.52	4.89	3.09	27.26	
May ...	4.55	2.07	3.10	3.56	4.78	1.84	1.58	5.07	2.18	2.52	31.25	
June ...	1.04	3.15	3.08	2.79	3.32	3.52	1.87	6.46	2.13	1.80	29.16	
July ...	3.35	2.07	4.55	4.44	1.00	6.86	5.22	5.61	3.53	6.69	43.32	
August ...	5.91	4.72	4.87	6.62	1.10	10.79	6.76	4.43	.71	6.39	52.30	
September ...	2.98	3.66	3.61	6.50	2.67	4.82	5.87	4.98	.54	3.22	38.85	
October ...	1.61	6.76	2.61	8.80	2.55	3.14	6.39	4.83	4.92	6.29	47.90	
November ...	10.87	2.38	5.06	8.05	2.54	1.70	3.53	1.36	5.15	8.76	49.40	
December ...	9.10	4.50	2.00	7.40	6.98	5.20	6.34	5.15	9.27	5.52	61.46	
TOTALS ...	58.17	42.15	39.86	59.46	36.00	50.40	49.92	55.26	40.50	56.81	488.53	
	D	D	D	D	D	D	D	D	D	D		

1954 Temp. 11° at 10.00. 71.5. G. in excellent condition. Standard rain gauge from. Shelter N.W. of stone wall 5' high 20' long. E by dam, S by rising ground. A good site

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44) 048128

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 <u>13</u>	1931-40 <u>12</u>	1941-50 <u>34</u>	1951-60
		<u>C 1924</u>	✓	✓	
		✓	✓	✓	