

80
1912RAINFALL AT Ringstone Res. (old)

Lat.

Lon.

County of

York

8" Rain Gauge, by
Ouse, Aire & Calder 8

Observer W. F. G. Corp. C. Clemechabsmith Esq.

Diameter	8"											
Height	1' 0"											
Altitude	990 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	3.70
February				3.26	2.05	1.89	4.02	6.01	8.86	4.48	2.66	
March				3.61	1.52	2.44	2.28	3.26	2.17	3.65	2.84	
April				5.45	3.11	2.42	2.01	3.65	1.53	2.74	3.82	
May				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	3.1	2.65	6.69	
July				4.45	2.72	3.51	1.48	6.16	2.16	6.49	3.16	
August		No records		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	

X Doubtful - total for five months - 16.86 ins

RAINFALL AT Rishworth Ringstone Res 6026.

Lat. _____

Long. _____

County of York W.R. _____

Rain Gauge, by

Observer C Clemasha Smith Esq C.R.

Dose - Ave & bolder 8

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	37.50	107.16	54.27	19.35	84.49	96.11	44.44	12.30	44.53	141.98 42.90 43.078

RAINFALL AT ^{Res} Ringstone (new)

Lat.

Lon.

County of

York

19 JAN 1912

5" Rain Gauge, by Snowden

Observer

Wld Corp.

Ouse Aire & Calder 8

C. Clemensha Smith Log 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	4.09	
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	41.18	42.52	44.53	42.06	42.73	43.538

RAINFALL AT Ringstone Reservoir bldg.

Lat.

Lon.

County of York w.w.

Arie & Balder 8 Rain Gauge, by
Oct 9.

Observer Clemesha Smith Esq CE

RAINFALL AT Rishworth Reservoir
 Lat. Lon. County of York wR Central
 Rain Gauge, by Observer C. Clemicha Smith Esq. CR.

Aire & Calder 8

Diameter ..	5									
Height ..	10									
Altitude ..	990 ^T									
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
February ..	4.40	1.47	1.41	5.27	4.82	1.79	4.01	3.10	2.95	1.97
March ..	1.23	4.25	2.18	6.97	2.56	4.11	3.98	3.79	3.63	3.65
April ..	2.93	2.24	1.99	2.07	3.17	3.37	1.58	3.49	1.99	3.64
May ..	1.97	1.50	3.02	4.29	3.66	.57	3.71	4.54	2.33	2.17
June ..	3.69	2.02	1.62	1.39	1.17	3.05	1.89	7.30	1.99	2.63
July ..	2.99	3.05	2.83	3.38	3.55	2.13	1.99	2.51	3.62	5.19
August ..	5.66	2.57	3.93	5.01	5.06	4.95	3.10	3.94	3.97	3.00
September ..	1.26	.93	2.79	5.69	1.19	2.75	1.26	.63	2.86	2.53
October ..	5.92	3.36	4.84	10.94	1.36	3.47	7.53	7.04	2.26	5.33
November ..	4.40	6.79	2.71	2.58	2.87	5.14	5.85	3.34	2.35	1.47
December ..	6.35	5.72	4.62	3.25	3.04	1.20	3.03	5.02	2.48	7.19
TOTALS ..	46.66	36.38	35.26	56.33	37.18	34.28	44.42	46.50	34.57	41.28

✓ Hub

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

+ Inspected

10 3214

RAINFALL at Rishworth Brimstone Reservoir

County of W.R. Yorkshire

Observer C Clunesha Smith Esq. c.s.

River Basin Orca-Or. Calder 8

Snowda 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	4.64	3.24	2.10	6.01	
April	3.38	2.44	1.17	5.14	1.46	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	2.53	
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	2.88	
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	.68	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	3.85	
November ...	4.27	5.83	3.42	5.09	6.43	2.58	4.51	4.36	2.37	4.51	
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	41.84	
	2	7	1	2	3	2	2	2	2	2	

+ Infected

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

RAINFALL at Rishworth Ringstone Reservoir (610G)

County of N.W. Yorkshire Observer G. Glomesha Smith Esq. C.E.

River Basin Aire - Calder S.

Waterfalls Capt. W.C.

Snowdon Rain Gauge, by Canal.

Temp. from (XII 22) 5.00 a.m. now inner can take provided.

Diameter ...	5"												1930 Medians
Height	1	0											
Altitude ...	990					980							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	5.56	7.72	3.91	4.24	3.00	5.80	4.40	3.85	11.53	1.67	6.76		
February ...	4.38	3.30	5.19	6.75	1.04	4.06	3.80	1.41	5.34	1.45	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	4.99	1.48	1.65	3.46	1.86		
June	3.49	1.88	2.76	1.96	2.45	0.08	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	6.82		
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	.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...	34.04	25.51	16.99	51.46	46.48	45.02	41.10	46.04	51.78	38.69	52.42		
	D	D	D	D	D	D	D	D	D	D	D		

Inspected c. 5. XII. 22. g. at top of long south valley sloping to NW. Wall 4 ft high 50 yds. W. 170 yds. S. g. is probably over-exposed to NW.
Old g. was alongside, though 25 yrs previous it had been on other side of reservoir.

Inspected 10.8.'31 by Dr Glasspole — 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
1920			Ripponden				

Rishworth

No. 2
NEW GAUGE

3214

20

RAINFALL at Limestone ReservoirCounty of Yorkshire Observer Waterfield Corporation (W)River Basin Yuse-Aire - Calder, S. G. Glensha Smith, Esq., F.R.S.

M.O. Rain Gauge, by _____

Diameter ...					- 5-						
Height					1 - 0						
Altitude ...					962						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MARCH
January					3.37	6.57	5.08	4.46	12.98	1.81	7.80
February					1.34	7.72	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	1.11	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	6.44	6.22	7.87	9.79	5.87
December...					7.27	4.94	1.76	1.81	3.51	9.98	3.90
TOTALS...					50.11	48.74	45.50	52.00	56.58	42.81	57.16

Inspected 5.12.22 C.L. Site for check g. 100 yds. westerly. Stone wall 16 yds N.W.
 Gully 20 yds N.E. running round to N. Not a good site.

Inspected 10.8.31 by Dr. Glasspoole - 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 from gauge	Parish Church.	Distance from gauge
1925			Ripponden				

RAINFALL at Rishworth (Ringstone Res.) No. 1

County of West Riding,

Observer C. Clemesha Smith, Esq. C.E.

River Basin Ouse-Aire-Calder-S.

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.										Means
Height	1.0.										
Altitude	980.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.66										
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. Line 36A

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at

Rishworth (Ringside Res.) West.

County of West Riding.

Observer C. Clemesha Smith Esq., C.E.

River Basin. 8-Quae-Aire-Calder

Wakefield Corp. W.W.

Type of Gauge.....

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....
C 1982. 666310/26.

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

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

Reference No. _____

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 in. based on years obs. un-weighted. Period of average 1931-1935 Ref. 1 U.S.
(1935) 46.9 14 666310/26

Diameter	5.										Meas-
Height	1.0.										Total
Altitude	962.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	5.15	6.88	4.16	4.01	2.21	3.29	4.04	7.15	6.78	3.48	4915
February	7.29	4.44	4.40	3.34	7.62	3.20	0.65	2.27	5.50	2.58	4029
March	4.45	3.07	3.48	3.75	2.03	3.02	3.52	1.27	3.40	3.94	2793
April	4.28	6.34	1.63	2.72	4.64	2.27	2.76	1.64	3.04	3.22	3054
May	3.54	5.12	2.39	3.90	1.91	1.21	2.73	4.61	1.24	1.53	2713
June	7.81	8.3	2.99	2.52	4.30	5.55	2.51	5.56	3.78	1.84	3619
July	4.35	3.94	3.41	3.67	1.92	3.90	2.41	5.25	7.55	4.18	4108
August	6.47	2.38	1.23	3.70	1.92	1.92	2.15	4.76	2.14	2.07	2874
September	3.66	4.89	1.76	3.13	8.08	5.90	2.18	2.08	1.83	4.99	3850
October	2.64	7.94	5.22	5.17	11.47	5.65	3.05	11.83	3.46	5.80	6223
November	8.00	3.94	2.00	2.62	8.12	7.20	3.05	7.47	4.76	9.18	6034
December	2.82	2.52	0.67	5.73	3.08	6.09	2.72	5.43	3.80	4.21	3707
TOTALS	56.46	47.29	33.34	41.26	56.30	51.20	38.27	58.32	50.78	46.02	47724
	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

Station No. 3214 T.F.

RAINFALL at Thakworth (Ringstone Res) Lower

41

County of West Riding

Observer

Wakefield Cotton. W.W.

River Basin Ouse - Aire - Calder - S

Type of Gauge.

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

File No. 666310/26

Diameter	5"	077	835								
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	2.69	3.88	56.70
February	6.72	1.69	3.90	2.21	6.76	7.46	3.79	4.10	3.69	7.40	46.72
March	6.34	2.78	1.81	.57	1.67	2.46	1.00	2.41	1.61	2.87	29.58
April	3.10	3.17	2.93	3.81	3.36	2.24	5.64	2.88	4.50	4.30	35.93
May	2.45	4.75	3.48	3.72	4.62	2.80	4.46	1.36	4.57	3.20	35.41
June	.91	1.50	3.51	3.40	5.59	4.65	3.81	5.35	.78	1.72	31.22
July	1.58	3.99	2.82	4.01	2.17	5.94	2.56	2.39	4.07	3.24	32.77
August	7.37	5.84	5.40	4.30	4.91	6.28	.34	5.18	2.70	5.55	47.87
September	.63	3.04	4.82	6.21	3.22	8.19	2.83	2.37	1.02	6.98	39.31
October	5.31	6.15	2.78	4.94	7.02	1.45	1.44	2.55	5.65	2.75	40.04
November	4.16	1.69	3.96	9.20	.93	10.06	7.52	1.92	6.80	5.57	51.81
December	2.88	4.43	3.02	5.13	3.15	4.72	5.26	4.92	8.64	3.22	45.37
TOTALS	43.45	44.38	45.65	55.00	48.53	63.09	49.14	46.52	46.62	50.35	492.73

1941: New gauge installed

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

Station No. 3214

T.P. 43

RAINFALL at Bishworth (Kingstone Res.) LowerCounty of West Riding - Yorks. Observer Wakefield Corp. W.W.
River Basin Osse - Nine - Calder - 8Type of Gauge 110.4155/46Annual Average 46.9 in. based on 14 years obs. Un-weighted. Period of average 1881-1915 Ref. 7 W.S.
48.54 " 29 " 1916-50 File No. 666310/26

Diameter	5"	077	835								Means
Height	1' 0"			1							Total
Altitude	962'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	
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	1.44	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	6.60	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° Bressdale 71.5. Q. in excellent condition. Standard rain gauge from. Scales A.W. by stone wall 5' high, 20' away.
E by dam, 3 by river bank. A good site

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference (54) 008128

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 (B)	1931-40 (B)	1941-50 (B)	1951-60
			C 1924 ✓	✓ ✓	✓ ✓	