

RAINFALL at Haworth HarbottleCounty of W.R. YorkshireObserver G. Ratcliffe Barnett Esq. C.E.River Basin Ouse Aire &Swinden Rain Gauge, by N+3

Diameter ...				8							
Height .....				10							
Altitude ...				1187							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means Totals
January ...				(5.00)	5.38	8.39	6.71	6.25	3.95	6.53	23.44
February ...				2.94	4.76	6.89	8.65	1.04	8.27	2.43	20.39
March .....				7.63	7.78	1.79	4.93	3.80	1.97	7.88	18.53
April .....				5.58	2.38	2.60	4.27	1.94	1.33	2.62	10.16
May .....				3.88	2.33	2.11	3.18	2.41	3.09	2.57	11.25
June .....				2.70	2.02	.66	3.19	2.22	2.13	1.80	9.34
July .....				1.48	4.29	5.27	4.46	2.02	4.31	2.88	13.62
August .....				1.83	2.61	4.85	3.37	7.57	3.66	4.10	18.70
September ..				1.86	3.49	.95	3.27	2.88	12.88	2.42	21.45
October ...				2.55	2.76	1.76	11.94	8.27	3.75	5.08	26.99
November ..				7.45	8.30	3.46	5.64	6.75	3.07	4.96	20.42
December...				4.85	8.75	9.11	4.48	3.91	9.29	9.17	26.85
TOTALS ...				(47.75)	54.85	47.84	64.09	49.06	57.70	50.29	221.14

1913 Tona Wall 6ft high 54 ft SW

Jan 1913 rough est. (x.12)

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.45.53	2.0.20	Oxenhope	11900 ft	E	Oxenhope	11380 ft	E by S

RAINFALL at Haworth Harbour LodgeCounty of N. B. YorkshireObserver M. D. Barnett Esq. G.E.River Basin Cuse-Cire 9Engr. Keighley Valley Water Bd.Snowdon Rain Gauge, by M. D. Barnett  
N.O. (127)(1929) Alan Atkinson Esq. C.E.

Diameter ...	8												
Height .....	10												
Altitude ...	1187												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANA	1920-30 TOTAL	
January ...	6.67	10.38	6.65	6.57	3.57	6.19	5.77	4.56	15.63	2.12	7.87	73.98	
February ...	4.71	6.5	6.38	7.90	1.73	7.74	5.34	2.52	7.11	.97	1.38	46.43	
March .....	4.81	4.82	4.13	2.47	1.62	1.87	2.84	4.67	5.58	1.24	3.67	35.52	
April .....	6.24	2.03	4.18	4.26	2.62	3.60	2.85	4.85	1.48	1.72	3.99	37.82	
May .....	5.79	2.45	2.11	5.33	6.65	5.33	4.06	1.87	1.68	3.49	2.92	44.68	
June .....	2.71	2.3	3.22	1.31	2.78	.06	3.28	4.48	6.86	2.04	2.56	29.53	
July .....	8.15	3.03	5.91	5.14	4.46	2.71	3.37	3.03	1.86	3.66	7.20	48.52	
August .....	2.10	6.70	7.74	6.00	6.31	5.55	4.27	7.46	6.62	4.79	6.95	64.49	
September...	2.20	2.14	6.42	6.53	5.75	3.57	4.13	6.89	0.92	1.97	5.14	45.66	
October .....	2.97	3.38	1.20	6.48	4.90	6.74	3.95	5.97	6.95	6.47	7.76	56.77	
November...	3.62	2.72	3.29	7.57	3.76	2.78	7.46	6.10	9.59	9.28	8.06	64.23	
December...	4.57	9.78	5.46	5.05	6.27	6.29	2.00	1.94	5.35	12.01	4.67	61.39	
TOTALS...	54.544	8.31	56.69	64.61	50.42	52.43	49.32	54.34	63.43	49.76	62.17	606.02	
	D	D	D	D	D	D	D	D	D	D	D	D	

1920 Fence Wall 6 ft high 54 ft SW

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
1920	53° 48' 53"	2° 0' 20"	Greenhope	11900 ft	E	Greenhope	11350 ft	E 10° S

RAINFALL at Haworth (Harbour Lodge)County of West RidingObserver A. Atkinson, Esq. C.E.River Basin Ouse Aire - 9T. Noel Wood Esq., M.C.E.Type of Gauge SnowdonA. Boothman Esq. C.E.Annual Average 52.5 in. based on 18 years obs. un-weighted. Period of average 1851-1913 Refr.744053/27

Diameter	9.											
Height	1.0.											
Altitude	1137.			1165			1165					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	(1931-40 Means Totals)	
January	7.05	7.55	4.20	5.48	3.23	3.47	6.12	7.70	7.44	2.09	56.33	
February	6.93	.18	7.03	.52	10.31	3.08	8.99	2.73	5.93	2.43	48.13	
March	.64	3.22	2.67	3.17	2.77	3.05	3.97	2.08	3.82	3.76	29.25	
April	4.67	4.91	2.14	2.80	3.72	1.71	3.42	.85	2.73	4.22	31.17	
May	3.09	4.59	2.70	3.44	1.13	2.11	3.12	4.77	1.63	1.68	28.26	
June	6.82	1.41	2.96	2.38	4.75	5.17	2.77	5.47	3.87	.98	36.58	
July	5.92	4.68	3.78	3.29	2.95	4.48	2.83	5.48	7.28	4.98	45.67	
August	5.35	1.54	1.60	4.47	1.93	3.51	2.50	6.76	4.41	2.48	34.45	
September	4.88	6.99	2.22	3.04	8.04	4.92	1.86	2.70	1.79	5.08	41.52	
October	3.57	8.66	5.19	6.77	12.34	6.62	2.56	11.23	3.07	4.64	64.65	
November	9.85	4.08	2.86	2.75	7.57	6.63	2.45	8.09	8.26	7.41	59.95	
December	3.52	2.16	0.59	6.89	4.53	6.06	2.60	4.85	3.50	5.35	40.05	
TOTALS	62.29	50.07	27.84	45.00	63.27	52.81	43.19	62.71	53.73	45.10	516.06	
	D	D	D	D	D	D	D	D	D	D		

1933. Gauge inspected on Aug. 23rd. Kept fine satisfactory except from E. direction. Recommended site available 60 further E. and 20' lower, should be adopted for check on existing gauge. See file 744053/27

1934. Fence Wall 6' high 29' 8" S.W.

1940. Imp. part. catd for snow.

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
1931			Oxenhope	11,900ft	E	Oxenhope	11,350ft	10° S

RAINFALL at Haworth (Hawthorn Lodge) Station No. 3287 41  
 County of West Riding Observer A. B. Bathurst Esq. C.E. (1946)  
 River Basin Ouse - Aire - G. G. E. V. Boldry, Esq.  
 Type of Gauge Snowdon (W & W. 2nd March 1947)

Annual Average 52.5 in. based on 18 years obs. un-weighted. Period of average 1881-1945 Ref. 5

File No. 744053/27

Diameter	8"		074	913							
Height	1' 0"			1							
Altitude	1165'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.54	6.53	6.86	9.24	4.26	5.01	4.80	10.80	3.72	2.96	59.11
February	8.61	2.47	4.47	3.11	6.88	6.95	(2.50)	3.46	4.51	6.49	49.95
March	4.36	4.16	1.84	.73	1.89	1.62	(9.83)	2.32	1.91	2.95	31.61
April	2.69	2.34	3.32	3.85	3.07	1.78	4.75	3.38	5.51	4.86	35.55
May	3.11	3.93	3.57	3.76	5.15	2.07	3.07	1.25	3.28	2.74	31.93
June	.79	1.42	4.46	3.51	4.82	3.14	3.40	6.02	.65	2.22	30.43
July	2.27	4.20	3.06	3.30	3.18	4.53	3.13	2.17	3.34	4.58	34.36
August	8.67	4.37	6.88	3.74	4.91	7.79	.33	4.87	2.85	6.85	51.26
September	.54	3.67	6.47	7.39	3.26	8.09	3.29	3.59	1.54	8.16	46.60
October	6.67	8.94	2.91	5.11	6.76	1.32	1.65	2.83	6.83	3.69	45.71
November	3.70	2.00	4.37	8.40	.95	8.44	8.56	2.61	7.65	6.23	52.91
December	3.17	4.90	3.27	5.23	3.31	4.13	5.64	4.98	10.17	3.82	48.41
TOTALS	49.12 d	49.02 d	51.48 d	58.57	48.44 w	54.87 d	50.95 d	48.78 d	50.36 d	56.24 d	517.83

1941. Fence wall 6' high 29' 8" S.W.  
 1947. Feb. & Mar. said for snow

30004

\* Borough of Rotherham

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
1941			Oxenhope	11900 ft.	E	Oxenhope	11350 ft.	E 10° S.

BRITISH RAINFALL ORGANIZATION

Station No. 3287RAINFALL at Haworth (Harbour Lodge)

51

County of West Riding - Yorks.

Observer

G. E. V. Bolding Esq.River Basin Ouse - Aire - 9Craven Water Board (1/4/60)

Type of Gauge

Snowdon *Started 5-9, about 2 yrs ago*  
*5-5-54*Annual Average 52.5 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. 5" " 52.93 " " 39 " 1917-57 " " 1916-50File No. 744052/27

Diameter ...	8"	5"	074	913							
Height ...	1'0"			1							
Altitude ...	1165'			31							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means <i>Total</i>
January ...	5.01	5.23	1.72	4.12	2.92	5.90	5.21	4.92	3.95	7.44	46.42
February ...	4.02	1.89	1.51	3.20	3.33	2.68	3.95	8.43	1.02	5.05	35.08
March ...	5.95	2.12	2.35	3.20	2.64	2.70	4.47	3.15	2.21	2.33	31.12
April ...	2.86	3.04	3.81	.95	2.07	3.50	.55	1.87	4.50	3.29	26.44
May ...	4.18	2.43	2.41	4.31	3.84	2.35	1.30	6.21	1.94	2.02	30.99
June ...	1.45	3.36	4.12	2.99	3.49	3.96	3.51	5.66	3.77	1.58	33.89
July ...	3.31	2.93	5.64	6.12	.97	6.45	5.75	4.24	3.84	7.92	47.17
August ...	4.95	7.23	6.51	9.75	1.68	11.47	7.12	4.69	1.34	5.10	59.84
September ...	3.27	5.41	4.89	7.45	3.14	4.97	6.71	5.13	.39	3.38	44.74
October ...	1.65	5.01	2.25	8.96	3.19	3.06	6.63	4.21	6.01	6.71	47.68
November ...	10.44	2.29	6.73	7.74	3.15	2.55	2.73	1.83	5.47	8.47	51.40
December ...	11.95	5.15	2.70	8.26	8.10	5.68	7.07	5.82	8.91	6.82	70.46
TOTALS ...	59.04	46.09	44.64	67.05	38.57	55.27	55.00	56.16	43.35	60.11	525.23
	D	d	d	d	d	d	d	D	D	D	

Snowdon gauge should be adequately checked some good name

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference <sup>55</sup> (37) 446.215°

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			<u>Overhope</u>	11900' E	<u>Overhope</u>	11350' E 10° S.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19 <sup>185</sup>	1920-30 <sup>185</sup>	1931-40 <sup>185</sup>	1941-50 <sup>185</sup>	1951-60
	Camp 1913 ✓ but 13-24 16-17	✓	✓	✓ but 241-43 - 44-45	