

RAINFALL at Shap, Birkbeck Fell

County of Westmoreland

Observer L. Holme Lewis

River Basin Eden - 1

Manchester Corporation W.L.S.

Rain Gauge, by _____

Diameter								5		
Height								1		
Altitude								935		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
										MEANS.
January								6.29	15.72	1.59
February								3.30	6.13	1.03
March								5.76	6.79	.85
April								2.64	1.86	1.95
May								2.85	1.29	4.02
June								3.45	8.63	1.58
July								4.04	4.18	6.60
August								8.33	9.26	6.21
September								7.65	7.31	2.20
October								8.27	11.92	7.21
November								5.18	12.50	2.60
December								1.17	5.42	11.73
TOTALS ...								58.93	87.01	57.57
										62.45

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

RAINFALL at Shap (Birkbeck Fell)

County of Westmorland

Observer Manchester Corp. W.W.

River Basin Eden - 1

Type of Gauge

Annual Average 56.2 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. S

660604/26

Diameter	5.											
Height	1.0.											
Altitude	935.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.89	9.56	8.01	10.92	2.07	8.69	6.48	9.75	10.01	1.85	7105	
February	4.20	.09	5.51	.25	9.17	2.72	6.56	3.05	8.04	1.91	450	
March	1.07	4.94	4.25	3.59	2.08	3.32	1.81	4.26	4.28	6.27	358	
April	2.71	5.49	1.73	4.45	4.47	1.15	3.36	4.46	1.54	2.30	2169	
May	3.86	4.78	3.29	4.88	.53	1.21	2.90	4.64	.94	1.69	2872	
June	5.75	2.92	2.50	2.33	5.41	3.66	1.96	7.11	4.64	.96	3727	
July	5.50	7.01	4.62	1.76	1.57	6.62	2.44	8.19	8.45	4.66	5082	
August	4.52	1.36	2.14	4.79	3.25	2.87	2.58	3.13	3.45	1.45	2954	
September	2.33	5.65	2.05	7.58	10.46	7.48	4.85	2.52	2.12	4.51	4055	
October	3.92	9.92	6.19	9.77	8.60	5.46	3.08	14.85	2.51	7.79	7209	
November	11.99	6.02	2.12	.83	6.79	5.84	1.55	10.64	10.49	7.91	6313	
December	3.58	11.00	.80	10.59	3.29	10.49	3.83	6.24	3.24	5.28	5862	
TOTALS	53.27	67.56	43.21	61.74	57.69	59.81	44.40	74.84	59.80	46.58	56590	

1932. Surf wall set up. See Box 87 d. 23.6.32.

Printed in B.L. with footnote "Surf wall sound gauge".

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.

Station No. T.F. 3333

RAINFALL at ^KShap (Birbeck's Field)

41

County of Westmorland

Observer Manchester Corp. W.W.

River Basin Eden

Type of Gauge

Annual Average in. based on 2 years obs. unweighted. Period of average 1931-1945 Ref. S.

File No. 1660001/26 196738/32

Diameter	5"			600	990						
Height	1' 0"					1					
Altitude	935'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.27	5.97	10.96	7.51	5.00	8.28	8.78	11.62	3.87	(4.00)	6.726
February	6.78	2.17	4.52	2.24	7.38	4.19	2.16	5.00	6.00	(9.00)	49.44
March	3.80	3.68	2.05	6.1	4.58	3.99	7.53	6.79	1.40	(6.00)	39.43
April	1.89	4.81	4.10	3.07	3.33	1.38	10.23	3.10	4.56	3.85	40.32
May	2.56	5.61	5.56	1.90	4.66	2.10	3.08	2.97	3.77	2.27	34.48
June	.08	.70	3.99	3.62	4.79	5.06	3.94	7.23	.77	2.74	32.92
July	2.01	3.05	4.33	4.12	3.12	4.84	3.22	3.93	2.75	(6.00)	37.37
August	6.01	6.68	9.15	4.39	2.19	6.20	1.0	6.66	2.49	9.46	52.33
September	1.19	6.82	6.34	6.49	5.01	10.93	5.41	6.98	1.88	(11.10)	62.20
October	6.48	4.33	7.25	6.61	8.89	1.16	1.16	4.13	6.34	(5.08)	51.43
November	5.11	1.94	3.24	11.68	3.7	12.65	9.04	4.64	1.60	5.53	61.80
December	3.63	7.82	3.94	6.01	3.82	7.38	2.11	8.48	8.56	2.08	54.33
TOTALS	40.81	53.58	64.43	58.25	53.14	68.16	56.76	71.53	49.99	66.66	58331

1950 sum of all months July gauge compensated with Oct - but unproportioned.

MOS44

Surf wall round gauge.

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. 3666 T.S. 39

RAINFALL at Shap (Birkbeck Fell)

51

County of Westmorland

Observer Manchester Dept. 10.10.

River Basin Eider - 1

Type of Gauge. MKIA.

Annual Average 51.51 in. based on 23 years obs. un-weighted. Period of average 1881-1915 Ref. S.
 Within 1927-57 " " 1916-50
 File No. 196738/32
 230/34/32

Diameter ...	2"			600	990						
Height ...	1' 0"					1					
Altitude ...	935					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	7.64 (6.08)	1.75	6.42	6.59	4.15	12.86	7.68	5.52	9.90	68.59	
February	6.02 (7.9)	1.45	(6.70)	1.95	4.48	5.95	6.96	1.70	10.29	41.29	
March	4.78 3.98	.54	(4.96)	1.32	1.86	5.02	1.53	4.72	1.34	30.05	
April	(5.80) 4.50	4.27	.75	1.76	.90	1.02	1.76	6.29	4.66	31.71	
May	1.72 2.70	3.48	4.20	4.91	2.16	3.56	6.61	1.53	2.65	33.52	
June	1.13 3.50	4.64	4.49	5.94	3.26	1.22	4.61	6.48	3.70	38.97	
July	3.31 1.60	5.44	3.26	2.72	3.66	3.95	4.33	4.56	5.55	38.38	
August	6.52 (6.00)	5.14	6.68	2.50	9.22	6.16	4.14	.98	3.90	51.24	
September	8.04 4.68	10.56	11.02	3.47	4.41	5.72	7.30	1.26	3.78	60.24	
October	1.11 7.50	3.73	16.30	3.07	5.74	7.43	6.74	5.88	4.59	62.09	
November	12.91 2.59	9.88	15.30	3.25	1.82	2.02	1.34	9.24	14.43	73.78	
December	12.48 5.18	4.26	7.85	8.57	8.31	5.62	5.53	13.28	7.91	79.05	
TOTALS ...	72.46 (49.10)	55.14	86.93	46.05	46.03	60.53	58.53	61.44	72.70	60891	
M	n.p.	M	M	M	M	M	M	M	M		

1952. n.p. too much est

30004

1954. Interf. app. part.

1955. Feb. accept July interf. accept

August part ed 10.3 ps.

Inspection 25-7-56 M+ Deels. Gauge sound, site satisfactory.

1957 n.p. low.

1959 n.p. low.

8 Turf wall 04004 60204

Position of Station on Ordnance One-Inch map : No. of Map 83 National Grid Reference 35/565.118

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
					10	

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1927	✓	✓ n.p.s.	-	-