

RAINFALL at Ewden Valley (Broomhead Moor)

County of

Observer Sheffield Corporation W. W.

River Basin Ewden Beck
(into Don)5" Rain Gauge, by Casella
(monthly pattern)

Shuttleworth

Diameter ...	5"										
Height	1Ft										
Altitude ...	1370.										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January							4.75	3.70	3.40	5.60	
February							8.93	1.18	6.02	3.91	
March							5.17	5.23	2.46	6.53	
April							2.46	2.72	2.00	2.28	
May							2.87	2.41	3.32	1.98	
June							3.54	2.50	1.66	1.09	
July							2.16	2.04	4.06	5.47	
August							2.16	8.76	2.24	4.65	
September...							1.97	2.46	11.78	3.38	
October.....							7.71	7.82	3.82	4.11	
November...							6.40	4.56	2.80	4.22	
December...							4.20	2.60	8.42	8.35	
TOTALS...							52.32	45.98	51.98	51.57	

1916-29 late up.

Position of Station on reduced Ordnance Survey } No. of Map 13
Map, 2 miles to 1 inch Series

Reference No. C 4

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
Dec: 1930	53° 27' 22"	1° 39' 40"	Deepcar	4½ miles	E.N.E.	Langsett	3½ miles	N. NW.

RAINFALL at Ewden Valley (Broomhead Moor)

County of Ewden Beck
(into Don)
River Basin

Observer Sheffield Corporation W.W.

5 = Rain Gauge, by Casella
(monthly pattern)

John D. Davies

Diameter	5										
Height	1 FT										
Altitude	1370										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	6.05	9.20	7.63	4.56	3.56	6.70	5.25	3.28	12.72	2.10	6.49
February	4.84	6.67	5.64	7.89	1.96	7.20	4.75	1.48	6.15	1.12	1.28
March	3.75	4.75	3.62	2.80	1.45	1.78	1.89	5.10	3.26	.53	4.30
April	7.80	1.45	6.04	3.10	2.80	4.15	2.80	4.76	2.00	2.17	4.12
May	5.35	2.75	1.45	5.72	4.96	4.96	3.41	1.76	1.68	3.02	2.83
June	4.63	4.42	2.02	1.18	3.36	.18	4.00	4.92	4.37	1.86	3.53
July	7.71	1.75	5.52	4.37	4.78	1.96	4.40	3.02	1.29	3.64	9.09
August	2.31	6.72	8.32	4.76	4.45	3.45	4.45	5.40	4.49	3.96	4.68
September	2.23	1.96	4.86	4.96	5.02	4.52	2.25	6.98	.53	1.70	6.55
October	3.23	2.94	1.56	4.15	6.75	6.32	5.75	5.32	7.15	6.02	6.10
November	2.55	3.25	3.25	8.02	3.52	2.95	6.12	6.98	10.50	9.21	6.15
December	5.40	7.96	5.15	4.86	5.04	6.15	2.35	4.57	2.96	10.92	5.50
TOTALS	55.85	43.82	55.06	56.37	44.65	50.32	44.42	53.57	57.10	46.25	60.62

1916-29 late Jup.

1930 record up - site not ideal.

Inspected X/1/30: turf wall recommended.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map: 13 Reference No.: C:4:

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
Dec: 1930	53° 27' 22"		Deepcar	4½ miles	E-NE	Langsett	3½ miles

138/

31

RAINFALL at Ewden (Broomhead moor) N° 444

County of York, W.R.

Observer Sheffield Corps. w.s.

River Basin 7-Ouse-Don.

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Type of Gauge.....

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Annual Average, based on 11 years obs. un-weighted. Period of average..... 1921-1935 Ref. P. 360
(1937) 47.8 Y 662602/1 I.W.S

Diameter										5"
Height										1' 0"
Altitude										1370'
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means Total
January	6.21	5.32	4.26	4.44	3.32	5.42	4.41	6.80	6.86	(4.82) 54.86
February	6.52	6.68	8.61	4.40	8.13	5.18	7.84	2.95	3.84	(3.46) 47.51
March	.82	3.74	3.68	4.80	2.35	4.61	5.04	1.98	3.75	4.02 33.69
April	5.46	5.26	1.65	3.40	3.80	2.61	3.03	.57	2.79	3.85 32.22
May	3.21	6.81	2.85	2.54	.33	2.04	3.70	3.60	2.44	.98 28.50
June	5.80	.86	2.56	1.61	4.41	5.31	1.40	3.58	3.27	.93 29.68
July	4.85	5.41	2.83	2.46	1.70	4.60	3.51	5.53	7.14	3.23 41.28
August	8.62	2.91	0.68	2.51	2.45	1.84	1.21	3.71	3.90	1.11 28.94
September	5.89	4.05	2.68	3.53	6.52	6.10	1.99	3.72	2.69	3.71 40.88
October	1.72	7.15	6.03	4.61	10.64	5.36	4.12	9.44	5.00	5.83 59.90
November	7.02	4.71	2.84	3.43	8.82	6.14	2.91	6.29	6.64	10.35 61.15
December	2.04	2.35	0.61	6.78	4.93	5.65	4.87	5.43	4.37	4.52 41.55
TOTALS	58.16	49.25	39.28	40.51	57.40	54.56	47.03	52.45	54.71	46.81 500.16

1931 Turf wall erected.

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
53°27'22"	1.8940							

Station No. 313.8/4 T.F

RAINFALL at Eudon (Broomhead Moor) No. 441

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County of West Riding, Yorkshire. Observer Sheffield Corp. W.L.T.

River Basin ... Ouse, Don, etc.

Type of Gauge ... Snowdon

Annual Average 47.2 in. based on 7 years obs. un-weighted. Period of average 1931-1950. Ref. I.W.S.

File No. 666609/ab

Diameter	6"		082	041							
Height	1' 0"			1					1' 2"	1' 1"	
Altitude	1370'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	(5.25)	(4.55)	6.96	7.99	5.40	7.05	(5.05)	11.00	(2.38)	2.82	58.15
February	(5.76)	(2.20)	3.70	2.52	5.41	6.85	(4.53)	(3.43)	2.37	(2.70)	44.99
March	(5.02)	(2.70)	2.03	1.06	1.46	2.13	(8.59)	2.03	2.07	2.23	31.30
April	1.84	2.73	3.18	3.34	3.00	2.65	4.42	2.48	3.62	4.54	31.80
May	3.74	5.32	3.82	3.97	4.51	3.47	3.03	1.66	2.25	2.69	34.46
June	.63	1.38	2.89	2.70	4.17	5.69	3.39	5.17	.50	1.57	27.89
July	3.28	4.94	2.28	3.75	1.53	3.58	2.31	1.42	4.84	2.88	30.49
August	5.71	4.97	4.62	3.72	3.94	4.98	.42	6.16	2.57	4.03	41.12
September	.42	3.11	5.46	5.69	2.21	7.27	1.58	2.46	1.68	2.15	37.03
October	5.93	5.25	2.98	5.09	7.85	2.26	1.05	2.29	4.23	1.94	38.87
November	5.21	2.03	4.39	2.37	1.08	10.38	6.25	2.29	7.01	2.23	55.24
December	2.63	4.59	2.97	5.46	4.03	4.91	4.96	4.49	8.06	2.11	44.21
TOTALS	(47.40)	(43.77)	45.28	54.66	44.59	61.22	45.58	45.38	41.63	46.04	475.55

1941 Jan Feb & March set'd. by observer.

1942 Jan. March

1943 Jan, Feb & Mar. set'd. for snow by observer

1948 Feb new inner cover - old one leaking. Cost £76. A. Impaired by engineer. Broken tiles in roof temporarily repaired. A new gauge was fixed on 3rd June.

1950 (5). Snow by Shef. W.W. Turf wall & gauge sound, funnel cleared, fence to be repaired.

70004 70004

70004 20004 40004 20004

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
.							

Station No. 513874

F. 71

RAINFALL at 5 Corden (Bromhead Town) No. 66

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County of Northumbria W.R.

Observer Sheffield Corp. W.W.

River Basin 7 - Der. - Don

Type of Gauge Standard Bradford.

Annual Average 47.8 in. based on 7 years obs. unweighted. Period of average 1881-1915 Ref. 1605
 " 49.05 " " 40 " - within 1916-57 " " 1916-59
 File No. 660609/26

Diameter ...	5"		0.82	0.41							
Height ...	1' 1"	1' 0"	1' 2"	1	on 1090						
Altitude ...	1370'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	6.41	6.00	(1.93)	(4.69)	(3.60)	(7.83)	4.17	6.59	4.67	7.47	53.27
February	6.55	1.69	2.10	(4.60)	4.07	(2.05)	4.94	(6.99)	3.30	3.55	37.14
March	6.47	2.57	2.50	4.34	4.85	(1.90)	3.84	3.32	2.29	3.25	35.33
April	(2.58)	2.65	3.18	.63	1.58	3.21	.21	1.20	5.02	2.87	28.13
May	4.13	3.13	2.82	5.15	3.71	.98	1.67	4.05	1.09	2.32	29.05
June	.98	1.87	2.71	2.68	4.16	3.74	1.15	5.92	1.79	1.64	26.64
July	2.17	1.97	4.33	3.22	1.05	9.87	4.05	6.07	2.34	5.62	40.69
August	6.19	3.21	4.35	7.63	.93	8.00	7.93	3.92	1.29	4.72	48.17
September	3.79	5.57	1.98	4.92	1.38	4.83	4.65	4.27	.11	4.94	35.44
October	.98	6.96	2.17	6.68	3.13	2.65	2.98	3.60	3.68	9.02	41.85
November	11.83	3.40	3.65	9.51	3.10	2.06	3.18	1.21	5.71	7.41	51.06
December	8.63	4.21	2.11	8.32	6.28	(5.91)	5.78	5.62	7.23	6.14	59.79
TOTALS ...	59.11	43.23	34.13	62.28	37.84	(53.03)	44.55	52.76	35.52	59.05	481.50
	M	M	M	M				M	M	M	

1951. Standard V. 51 by Sheffield new. Turf wall fair, very rotten. Diana Hutchinson.
 1952. Standard V. 51 by Sheffield new; satisfactory.

1953 Jan. est. engineer.

1954 Some rough by engineer. Satisfactory. Turf wall to be stopped.

1955 Jan. est. by Engt.

Turf. II 1957. 9. B.O.K. over surface etc. direction not good turf-wall.

04002 40004 60004 40004 70014

3 Turf wall

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SK 43224956

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

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	c 1916	✓ imp 20	✓	✓	