

10

20

313918

RAINFALL at Ewden Valley (Broomhead Reservoir)

County of Yorkshire

Observer Sheffield Corporation N.W.

River Basin Enden Beck
(into Don)

5" Rain Gauge, by Casella
(monthly pattern)

John Deewell

Diameter	5 ²									
Height	1 FT.									
Altitude	675' OD									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEANS.
January							1. 90	2. 90	3. 12	5. 52
February							5. 94	. 52	3. 25	2. 91
March							5. 24	3. 15	1. 51	6. 36
April							1. 59	2. 17	1. 48	1. 48
May							2. 43	1. 66	2. 24	1. 54
June							2. 28	1. 91	. 76	. 40
July							1. 31	1. 06	2. 67	4. 18
August							1. 10	5. 04	. 96	3. 22
September							1. 52	1. 26	8. 13	2. 36
October							5. 01	5. 04	1. 88	3. 87
November							4. 59	2. 24	1. 40	2. 80
December							3. 39	1. 91	5. 14	5. 31
TOTALS...							36. 30	28. 86	32. 54	44. 15

1916-29 late Sup.

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

Reference No. C-5

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
Dec. 1930	53° 27' 43"	1° 35' 56"	Deepcar	2	E NE	Stocksbridge	1½	N. NE

RAINFALL at Ewden Valley (Broomhead Reservoir.)

County of... YORKSHIREObserver... Sheffield Corporation W.W.River Basin Ewden Beck

(in the Don)

5² Rain Gauge, by Carella
(monthly pattern)South Surveyor

Diameter	5 ²	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Height	1 ft											
Altitude	675 ⁰⁰											
January	5.16 ^v	4.95	5.17	2.02	2.22	4.85	4.60	2.32	8.52 ^v	1.95	4.82	
February	3.50 ^v	2.0	3.53	6.61	1.91 ^v	6.34	3.22	1.35 ^v	5.10	.73 ^v	1.21 ^v	
March	2.87 ^v	2.35 ^v	2.65	2.26 ^v	.91 ^v	1.24 ^v	1.63 ^v	3.58 ^v	3.43 ^v	.28 ^v	3.26 ^v	
April	5.93 ^v	1.33 ^v	4.70 ^v	2.77 ^v	2.23 ^v	4.59 ^v	1.83 ^v	4.38 ^v	1.67 ^v	1.37 ^v	4.33 ^v	
May	4.35 ^v	1.50 ^v	.80	4.29 ^v	4.14 ^v	4.26 ^v	2.91 ^v	1.71 ^v	1.90 ^v	2.00 ^v	1.94 ^v	
June	3.31 ^v	.37 ^v	1.23 ^v	.95 ^v	1.73 ^v	.13 ^v	3.53 ^v	4.17 ^v	4.21 ^v	1.35 ^v	1.84 ^v	
July	6.18 ^v	.90 ^v	4.27 ^v	3.10 ^v	3.76 ^v	1.47 ^v	3.18 ^v	2.64 ^v	1.21 ^v	1.98 ^v	7.23 ^v	
August	1.60 ^v	5.28 ^v	7.58 ^v	3.42 ^v	3.26 ^v	2.70 ^v	2.99 ^v	4.44 ^v	3.74 ^v	2.40 ^v	3.38 ^v	
September	1.22 ^v	.69 ^v	3.55 ^v	2.88 ^v	4.03 ^v	2.99 ^v	1.39 ^v	4.61 ^v	.40 ^v	1.40 ^v	5.41 ^v	
October	2.43 ^v	2.64 ^v	1.25 ^v	2.79 ^v	5.41 ^v	4.69 ^v	4.56 ^v	3.39 ^v	6.00 ^v	3.52 ^v	3.65 ^v	
November	1.49 ^v	2.15 ^v	2.04 ^v	6.14 ^v	2.81 ^v	3.46 ^v	4.61 ^v	4.41 ^v	7.01 ^v	7.02 ^v	4.03 ^v	
December	4.21 ^v	5.75 ^v	4.83 ^v	2.98 ^v	3.96 ^v	4.12 ^v	1.54 ^v	3.56 ^v	3.37 ^v	8.74 ^v	3.06 ^v	
TOTALS	42.25	28.14	41.60	10.24	36.37	10.81	35.99	10.56	11.66	32.41	44.16	

1916-29 late Jap.

1930 recordings site not ideal.

Inspected x 11/30 Recommended that gauge be abandoned.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map..... 13 Reference No. C5

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
Dec. 1930	53° 27' 43"	1° 35' 56"	Deepcar	2 m	E NE	Stocksbridge	1½ miles	N. NE

TF ~~3139~~/7

T. 12/39.

31

RAINFALL at Ewden (Bromhead Res.) No 2

County of Yorks. W-R.

Observer Sheffield Corp. com

River Basin... Jr. Pres - Don

Type of Gauge..... Annual Average 35.5 in. based on 14 years obs. un-weighted. Period of average (SS) 1915 Ref. P B 366

Diameter						8				
Height						1	0			
Altitude	600'							585'		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
January	5.14	3.99	3.12	3.69	2.51	4.34	6.50	5.59	5.99	
February	4.82	.70	6.31	4.44	5.80	4.25	7.07	2.25	2.71	
March	3.30	2.87	3.09	4.48	1.70	3.09	4.14	.50	3.40	
April	5.24	4.86	1.11	3.19	3.12	1.88	2.69	.26	2.20	
May	3.30	7.01	2.45	2.18	.59	1.59	3.32	3.02	2.44	
June	5.62	.61	2.11	1.50	5.24	4.23	.84	2.60	2.49	
July	3.87	4.51	2.23	1.70	1.48	2.91	3.09	3.68	6.16	
August	6.97	2.34	0.56	1.62	2.45	1.24	.83	2.76	2.21	
September	6.07	2.38	2.65	2.91	5.08	3.68	1.74	2.74	1.93	
October	1.35	5.87	5.87	3.69	7.38	4.56	3.93	7.63	4.32	
November	4.52	3.73	2.46	2.67	7.15	5.46	2.57	5.21	7.59	
December	1.77	1.68	0.65	5.35	4.05	4.55	4.25	4.37	3.68	
TOTALS	48.97	40.55	32.5	133.42	46.55	41.78	41.00	40.61	45.12	#

Turf wall erected 1931.

Position of Station on reduced Ordnance Survey Map, } No. of Map 37 Reference No. F.10.
1 mile to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
	53° 27' 35"	136° 33'						

RAINFALL at Cardslade (Broomhead Reservoir) (Chalk)County of Yorkshire W.R.Observer Sheffield Corporation W.W.River Basin Ouse - T.Type of Gauge 11.0.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

Diameter	5'
Height	1' 0"
Altitude	484
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.38	4.34	6.11	4.98	5.71	3.90
February	5.68	4.15	6.49	1.83	2.48	2.72
March	1.62	2.90	3.74	3.6	3.25	2.75
April	3.09	1.82	2.53	2.2	2.03	3.71
May59	1.44	3.12	2.87	2.35	.90
June	5.07	4.14	1.77	2.35	2.46	.58
July	1.38	2.77	3.07	3.50	6.24	2.69
August	2.48	1.23	.77	2.57	2.25	.49
September	5.00	3.33	1.74	2.69	1.88	2.46
October	6.73	4.02	3.77	7.01	4.38	5.16
November	6.58	4.92	2.45	4.83	7.11	8.63
December	4.05	3.98	4.17	4.12	3.16	3.75
TOTALS	44.65	39.04	38.73	37.33	43.30	37.74
					D	D	D	D	D	D	

1935. Slight fall away to Broomhead Reservoir Bywash, 65°53'N

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
1935			Deepcar	1 $\frac{3}{4}$ m	NE	Bolsterstone	1/2 m	N.

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

Station No. 3139 A.T.F.

RAINFALL at Luddon (Broomhead Reservoir) (Check)

41

County of West Riding, Yorkshire. Observer Sheffield Corporation. W.L.W.

River Basin Course. Don.

Type of Gauge. M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. b60609/ab

Diameter	5"		082	091							
Height	1' 0"				1						
Altitude	484'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(4.19)	3.68	5.21	5.19	3.70	5.06	(4.02)	8.71	2.07	1.91	
February	4.30	1.14	2.26	2.18	4.04	5.20	(3.60)	3.15	2.21	2.14	
March	6.13	2.21	1.33	.64	.99	1.98	(6.82)	1.43	1.42	1.70	
April	2.44	1.93	2.32	2.70	2.22	1.67	4.02	2.22	3.49	4.08	
May	2.86	4.08	3.23	3.66	3.97	2.83	2.68	1.70	2.29	2.24	
June	2.24	1.27	1.63	1.93	3.32	4.15	2.85	4.78	1.60	.99	
July	2.41	2.55	1.16	3.02	1.87	2.93	2.73	1.37	4.48	2.03	
August	3.40	4.02	3.26	2.84	3.16	5.12	4.16	5.54	2.33	4.23	
September	3.35	1.80	4.42	4.79	1.31	6.24	1.32	1.94	1.55	4.41	
October	4.62	3.06	2.32	3.58	5.89	1.99	.77	1.54	3.72	1.76	
November	4.16	1.58	3.10	7.31	.51	8.21	3.97	1.26	6.30	6.26	
December	1.61	2.85	1.77	3.94	2.95	4.04	4.14	4.11	6.70	1.99	
TOTALS	36.71	30.17	32.01	41.78	33.93	49.42	37.38	37.81	37.16	39.01	

1941 Jan. ask'd by observer.

1947 Jan., Feb & Mar. ask'd for snow by observer.

15.6.49 gauge inspected by engineer and passed as sound.

70004

40004

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

Air Ministry, Meteorological Office

TF 11

Station No. 3139/6/2

RAINFALL, at Cawden (Broomhead Reservoir, check)
 County of Yorkshire, W.R. Observer Sheffield Corp. W.W.
 River Basin Ouse - 7.
 Type of Gauge Gauge Brachford.

51

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

File No. 660609/26

Diameter ...	082 093										5
Height ...	1										10"
Altitude ...	51										484
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...									4.07 (4.02) 6.68		
February ...									(5.83) 11.3.01		
March ...									2.59 1.57 2.76		
April96 4.33 1.97		
May ...									3.68 .97 2.17		
June ...									5.03 1.84 1.41		
July ...									4.99 1.75 3.52		
August ...									2.29 1.02 3.37		
September ...									3.67 .05 3.99		
October ...									3.05 2.86 8.27		
November ...									87 5.21 5.56		
December ...									4.51 6.66 5.05		
TOTALS ...									41.48 30.39 47.76 np np np		

Q 1956. 90% 12/58 more rec 30° N & rainfall future
 1958 point up check. Read available from 1955
 1959 :- np check
 1960 np check.

ofs from tree gauge
20004-40004

Position of Station on Ordnance One-Inch map: No. of Map 102 National Grid Reference 86(43) 172 959

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	1931-40	1941-50	1951-60

Station No. 5150/8

T.F.

71
51RAINFALL at Senden (Berkhamsted Lane)County of Yorks. W.A.Observer SHEPHERD Cedric WestonRiver Basin 7 - Ouse & DonType of Gauge H.B. SnowdonAnnual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....
" 38.00 " " 21 " within 1935-57 " " 1946-50 " 3
File No. 66.2 60.9/3.6

Diameter ...	5"		082	091			8"			
Height ...	1' 0"				1					
Altitude ...	484'				51			585'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means
January	3.93	5.00	.91	3.32	2.59	6.77	2.76	4.40	(4.18)	6.72
February	4.84	1.19	2.08	3.52	3.13	1.66	3.55	(5.74)	.15	(3.21)
March	4.88	2.29	2.40	2.68	3.70	1.77	2.77	2.93	1.64	2.93
April	1.95	1.80	2.84	.56	.78	3.00	.28	.97	4.53	2.12
May	4.25	2.44	2.86	4.17	4.13	.87	1.40	3.63	.98	2.20
June	.99	1.84	2.83	2.08	3.26	3.37	1.65	5.25	2.03	1.43
July	1.59	1.80	3.13	2.28	.95	6.83	2.99	5.08	1.85	3.62
August	4.63	2.45	3.66	6.72	.57	5.89	6.09	2.38	1.11	3.69
September	1.79	4.02	1.83	3.20	1.05	3.75	4.39	3.72	.05	3.84
October	1.14	6.22	1.99	4.88	2.75	2.32	2.98	3.31	3.01	8.63
November	9.51	2.14	2.73	7.31	2.42	1.58	2.89	.90	5.43	5.71
December	5.90	3.02	1.40	5.81	5.08	4.99	4.62	4.74	6.96	5.32
TOTALS ...	45.40	34.21	28.66	46.53	30.41	42.80	36.37	43.05	31.92	49.42
	D	D	D	D	D	D	D	D	D	D

1951 2nd. of 31. V. by Shefford wire, Rating factor: 200004/40004/20004
 July III 1958. 8 round. Site over-sloped W-S-E. Turf well good but 2" too high. Also "choking" at 484'
 NGR 272959.

§ Turf wall

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SK268961

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40 (1935)	1941-50 (1951)	1951-60
			C 1935 ✓	✓	✓