

RAINFALL at Edwen Valley, (Broomhead Reservoir) 10  
20  
313918

County of YorkshireObserver Sheffield Corporation N.W.River Basin Edwen Beck  
(into Don)5" Rain Gauge, by Casella  
(monthly pattern)John K. Sewell

Diameter ...	5"										
Height .....	1.5 ft										
Altitude ...	675' OD										
Year .....	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	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	1.68	
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	40.15	

1916-29 late sup.

Position of Station on reduced Ordnance Survey } No. of Map 13

Map, 2 miles to 1 inch Series

Reference No. C.5

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' 50"	Deepcar	2	E.N.E.	Stocksbridge	1½	N. N.E.

3139/7

RAINFALL at *Ewden Valley (Broomlead Reservoir)*County of *Yorkshire*Observer *Sheffield Corporation W.V.*River Basin *Ewden Beck**5<sup>2</sup>* Rain Gauge, by *Casella*  
(monthly pattern)*John G. Searcy*

Diameter	5 <sup>2</sup>										
Height	1 ft										
Altitude	675 <sup>00</sup>										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	5.16	4.95	5.17	2.02	2.22	4.85	4.60	2.32	8.52	1.95	4.82
February	3.50	2.0	3.53	6.61	1.91	6.34	3.22	1.35	5.10	.73	1.21
March	2.67	2.35	2.65	2.26	.91	1.24	1.63	3.58	3.43	.28	3.26
April	5.93	1.33	4.70	2.77	2.23	4.59	1.83	4.38	1.67	1.37	4.33
May	4.35	1.56	.80	4.29	4.14	4.26	2.91	1.71	1.90	2.00	1.94
June	3.31	.37	1.23	.95	1.73	.13	3.53	4.17	4.21	1.35	1.84
July	6.18	.90	4.27	3.16	3.76	1.47	3.18	2.64	1.21	1.98	7.23
August	1.60	5.28	7.58	3.42	3.26	2.70	2.99	4.44	3.74	2.40	3.38
September	1.22	.69	3.55	2.88	4.03	2.99	1.39	4.61	.40	1.40	5.41
October	2.43	2.64	1.25	2.79	5.41	4.69	4.56	3.39	6.00	3.52	3.65
November	1.49	2.15	2.04	6.14	2.81	3.46	4.61	4.41	7.01	7.02	4.03
December	4.21	5.75	4.63	2.98	3.96	4.12	1.54	3.56	3.37	8.74	3.06
TOTALS	42.25	28.17	41.60	40.24	36.37	40.81	35.99	40.56	46.56	32.71	44.16

1916-29 late 1/2 in.

1930 recording site not ideal.

Inspected 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.N.E.	Stockbridge	1 1/2 miles	N.N.E.

RAINFALL at Ewden (Broomhead Res.) No 52.County of York & W.R.Observer Sheffield Cooper & Co.River Basin 7. Quak - Don

Type of Gauge .....

Annual Average 35.5 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 346

660609/26.

Diameter	.....					8						
Height	.....					10						
Altitude	.....	600'						585'				
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
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	.44	5.80	4.25	7.07	2.25	2.71		
March	.....	.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	2.85	2.91	5.08	3.68	1.47	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	32.51	33.42	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.....27..... 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	1.36.33						



RAINFALL at Deepcar (Broomhead Reservoir) (Check)County of Yorks W.R.Observer Sheffield Corporation W.W.River Basin Ouse Don 7Type of Gauge M.O.

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		
May .....					.59	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		

1935. Slight fall away to Broomhead Reservoir Bywash. 65°33W

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 3/4 m	NE	Boltonstone	1/2 m	N.

Station No. 3139/A.T.F.

RAINFALL at Eusden (Broomhead Reservoir) (check)

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County of West Riding, Yorkshire Observer Sheffield Corpn. W. H.River Basin Cusae, DonType of Gauge M.O.Annual Average        in. based on        years obs. un-weighted. Period of average        Ref.       File No. bbobag/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)	8.77	2.07	1.91	
February	4.30	1.14	2.26	2.18	4.04	5.20	(3.60)	3.55	2.21	7.14	
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	4.88	
May	2.86	4.08	3.23	3.66	3.97	2.83	2.68	1.70	2.29	2.24	
June	.24	1.27	1.63	1.93	3.32	4.15	2.85	4.78	.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	.46	5.54	2.33	4.23	
September	.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	3.34	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. est'd. by observer.

1947 Jan, Feb &amp; Mar said for snow by observer.

15.6.49 gauge inspected by engineer and passed as sound.

40004

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.

BRITISH RAINFALL ORGANIZATION

RAINFALL

at Twicken (Broomhead Reservoir, Chesham)Station No. 3139/6/2County of Yorkshire, W.B.Observer Sheffield Corp. W.W.River Basin Ouse - 7.Type of Gauge Basella Bradford.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 ...								4.02	(4.02)	6.68			
February ...								(5.83)	11	3.01			
March ...								2.59	1.57	2.76			
April ...								.90	4.33	1.97			
May ...								3.58	.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 ...								3.25	2.86	8.27			
November ...								.87	5.21	5.56			
December ...								4.54	6.66	5.05			
TOTALS ...								41.48	30.39	47.76			
								np.	np	np			

2.1956. Sup 12/58 near sec 30' N to avoid future  
 1958 point n/1 check head available from 1955  
 1959 :- np check  
 1960 np check.

0.5 from the given  
 20004/40004

Position of Station on Ordnance One-Inch map:

No. of Map 102National Grid Reference 88(43) 472 954

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

Summary of Earlier Records from 10-year Sheets:

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d					



Station No. 5159/8

T.E.

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RAINFALL at £. Ender (Bachaustr. Res.)County of Yorks. W. R.Observer Sherrard Cobbin. Esq.River Basin 7 - Ouse - DonType of Gauge A.P. SnowdenAnnual Average in. based on years obs. un-weighted. Period of average Ref." " 38.00 " 21 " within 1935-57 " " 1916-50File No. 662.609/26

Diameter ...	5			082	091			8			
Height ...	1' 0"				1						
Altitude ...	484'				51			585'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.93	5.00	.91	3.32	2.59	6.77	2.76	4.40	(4.16)	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	

Ans. In. of 31. v. by Sherrard's own; Ratio factors. 20000 4000 42000 4  
 July II 1958. g. sound. Site over-exposed W-S-E. Turf wall good but 2" too high. Also "chuckg." at 484'  
 NGR 272959.

§ Turf wall

Position of Station on Ordnance One-Inch map :

No. of Map 102National Grid Reference SK 269961

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
			1925	✓	
			✓	✓	