

RAINFALL at Gudden Valley, (Middle Inver)County of YorkshireObserver Sheffield Corporation W. W.River Basin Gudden Beck  
(into 90n)5" Rain Gauge, by Casella  
(monthly pattern)John D. Swales

Diameter ...	5"										
Height .....	1 FT										
Altitude ...	1600' OD										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...							5.28	4.17	3.99	5.95	
February ...							9.93	1.48	6.68	3.80	
March .....							5.79	5.90	2.28	7.06	
April .....							3.22	2.93	1.58	2.49	
May .....							2.88	2.48	3.48	2.28	
June .....							4.34	2.56	2.01	1.38	
July .....							2.70	2.21	4.72	4.37	
August .....							2.68	8.21	2.74	4.27	
September...							2.50	2.65	11.80	4.00	
October .....							7.86	7.94	4.16	4.75	
November...							6.62	5.92	2.98	4.12	
December...							4.48	3.02	8.51	8.26	
TOTALS...							58.28	49.47	54.93	52.73	

1916-29 See Sup.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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
Dec. 1930	53° 26' 58"	1° 41' 22"	Harrogate	5m.	N.	Langsett	3½ miles	N.

RAINFALL at Ewden Valley (Middle Moss)County of YorkshireObserver Sheffield Corporation W.W.River Basin Ewden Beck  
(into Don)5 = Rain Gauge, by Cosella  
(monthly pattern).John Osburn

Diameter	5"										
Height	1 ft										
Altitude	600 OD										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	5.95	8.74	7.80	4.32	3.75	6.50	5.98	3.98	11.93	2.06	6.42
February	4.96	5.4	5.92	7.32	1.80	7.90	4.96	1.96	7.52	.92	1.20
March	3.87	4.32	3.50	2.65	1.40	1.91	2.78	4.88	3.48	.47	4.26
April	7.85	1.32	6.05	3.16	2.96	3.62	2.96	4.98	2.21	1.98	3.78
May	7.50	2.87	1.42	5.20	5.10	4.80	3.50	1.82	1.84	3.15	2.79
June	4.73	.36	2.68	1.21	3.82	.15	4.15	5.06	5.38	2.02	4.47
July	7.62	1.70	5.46	4.98	5.47	2.10	4.92	3.39	1.96	4.57	9.04
August	2.74	6.96	8.30	5.22	4.35	4.12	4.72	6.32	4.76	4.06	4.81
September	2.25	1.89	5.15	5.70	5.34	4.98	3.06	7.20	.56	1.42	6.60
October	3.26	2.86	1.44	4.70	6.76	6.50	6.42	5.76	7.10	6.25	6.58
November	2.42	3.55	3.45	7.96	4.44	3.06	6.04	6.92	10.38	9.42	6.19
December	5.37	8.14	5.10	4.72	5.62	6.12	2.50	4.80	3.04	12.06	4.15
TOTALS	58.52	43.25	56.27	57.14	50.81	51.76	51.99	57.07	60.16	48.38	60.29

1916-29 late sup.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
Dec. 1930.	53° 26' 58"	1° 41' 22"	Hazlehead.	5 m	N.	Langsett	3½ miles	N

RAINFALL at Erden (Middle Moss)County of West RidingObserver Sheffield Corpn. W.W.River Basin Ouse-Den-7

Type of Gauge.....

Annual Average 5.0 in. based on 14 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref Thos. 366

660609/26

Diameter	5.										
Height	1.0.										
Altitude	1600.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.62	6.28	4.47	4.37	3.42	5.59	7.64	7.24	7.29	(5.09)	
February	6.65	7.6	8.01	2.26	8.58	5.48	8.41	3.09	3.83	(3.56)	
March	3.6	3.71	3.64	4.61	2.75	4.54	5.32	1.70	3.97	4.84	
April	5.32	5.62	1.73	3.25	3.91	2.19	3.27	4.5	3.15	3.98	
May	3.36	6.72	2.41	2.70	3.4	2.02	3.64	3.91	2.39	1.12	
June	5.62	8.4	2.61	1.73	3.84	4.92	1.81	4.35	3.69	.89	
July	5.61	5.71	3.61	2.81	1.92	4.78	3.53	6.43	7.93	3.79	
August	8.73	2.65	0.80	2.57	2.18	2.12	1.15	3.75	3.56	1.26	
September	6.19	4.15	2.63	4.04	6.53	6.94	2.06	3.80	2.94	(5.25)	
October	2.12	7.61	6.09	5.07	10.92	5.39	4.15	11.14	5.27	(6.11)	
November	7.56	4.75	3.01	3.70	8.96	6.51	2.85	6.82	9.14	(11.25)	
December	2.60	2.39	0.64	7.81	5.26	5.16	5.07	5.64	3.96	(4.87)	
TOTALS	60.74	51.18	39.65	42.92	58.61	55.64	49.00	58.32	57.14	(52.01)	

1937. Turf wall round gauge in March.

1939. Gauge moved and turf wall erected.

1940. Jan-Feb. Sept + Dec estd. by obs.

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	Direction



Station No. 3138.T.F.

RAINFALL at Ewden (Middle Moor) §

41

County of West Riding, Yorkshire.

Observer Sheffield Corps W.T.W.

River Basin Cause: Don.

Type of Gauge. Snowdon.

Annual Average 51.2 in. based on 14 years obs. un-weighted. Period of average 1881-1915. Ref. No. B. 366

File No. 660609/26

Diameter	5"				082	027						
Height	1' 0"					1				#	1' 3"	
Altitude	1600'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	(5.60)	(4.80)	7.33	8.79	(5.80)	7.66	(5.34)	12.98	(2.84)	2.68		
February	(6.10)	(2.20)	4.06	2.85	(6.30)	7.93	(4.86)	(4.22)	3.34	(8.25)		
March	7.73	(2.93)	2.31	1.15	2.02	2.44	(9.29)	2.28	1.98	2.81		
April	2.36	2.88	3.61	3.73	3.23	2.56	4.86	3.02	5.04	4.24		
May	4.36	5.56	3.88	4.16	4.29	3.30	3.57	2.02	3.31	3.14		
June	.93	1.31	3.17	3.16	4.66	6.11	3.53	6.34	.96	1.66		
July	4.08	5.46	2.49	4.03	172	4.23	2.91	2.22	4.93	3.24		
August	6.66	5.12	5.47	4.33	3.79	5.43	.44	6.84	3.08	4.30		
September	.69	3.77	5.42	6.30	2.76	7.91	2.59	2.71	2.19	7.84		
October	6.36	6.56	2.95	5.60	8.41	2.65	1.42	3.21	4.91	2.40		
November	5.34	2.22	4.64	3.33	1.31	11.48	6.94	2.58	9.13	7.91		
December	3.24	4.97	3.03	5.63	4.15	5.19	5.89	5.02	9.12	(2.59)		
TOTALS	(53.34)	(47.78)	48.36	53.06	48.44	66.89	51.64	53.44	50.83	67.41		

1941 Jan. 8 Feb. est'd. by observer. 60004

1942 Jan. - March " " "

1945 Jan. est. by obs. for part est. 1936.

1947 Jan. Feb. mean used for snow by observer

15.6.49. Gauge inspected by engineer and found as above.

3750 Imp. by Shef. W.T.W. fence, wall, and gauge found.

60004 70004

§ Turf 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.

BRITISH RAINFALL ORGANIZATION

RAINFALL at 5 Cudham (Middleham) Station No. 5138 **51**County of Northampton Observer Sheffields CooperRiver Basin 7 - Great OuseType of Gauge 5 - BradfordAnnual Average 51.0 in. based on 40 years obs. unweighted. Period of average 1881 - 1915 Ref. 1.6.36" " 52.94 " " 40 " " within 1916-57 " " 1916-50 " " 3File No. 642.609/26

Diameter ...	5"										
Height ...	1' 3"	1' 0"		1' 2"	1	1' 0"			1' 2"		
Altitude ...	1600'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.51	6.50	(2.07)	(5.09)	3.92	(7.77)	4.63	6.63	(4.85)	7.15	
February ...	5.79	1.81	2.70	(4.90)	3.92	(2.20)	5.11	(7.50)	.30	(3.75)	
March ...	6.76	3.17	2.88	4.22	5.02	(2.17)	3.81	3.35	2.84	3.13	
April ...	2.48	3.01	3.99	.76	1.72	3.11	.22	1.43	4.98	2.90	
May ...	4.61	3.81	3.38	5.41	4.44	1.02	1.78	4.75	1.76	2.44	
June ...	1.21	2.47	(3.32)	3.15	4.32	3.62	1.38	6.11	2.17	1.86	
July ...	2.86	2.64	5.18	4.98	1.11	10.20	5.83	6.19	1.30	6.42	
August ...	6.05	3.62	5.81	8.22	.98	8.21	8.37	3.93	1.15	4.81	
September ...	2.95	6.26	2.34	5.80	1.67	4.96	4.95	4.48	.15	5.98	
October ...	1.74	7.74	2.63	7.53	3.24	3.15	3.45	4.23	4.58	9.16	
November ...	11.99	4.00	3.91	9.53	3.34	2.07	3.61	1.40	6.05	7.77	
December ...	8.42	4.83	2.53	9.02	6.39	(6.11)	(6.20)	5.93	8.30	6.34	
TOTALS ...	60.3	49.86	40.74	68.52	40.12	(54.59)	47.34	55.93	38.43	61.73	
	M	M	M			ap			or	M	

1951. 2.7.2. v. v. 1. by Sheffields now. Satisfactory. 30014 00014 20004 40004 20004

1953 Jan. &amp; June, cot. engineers. 1004 60004

1954 June, info by Engineer, Gauge found, from fair, info will be stopped.

1956 11.12. Too much rust and loss.

1959 Joint

July 1959 J. BOK. Overhaul all directions but good left well.

Aug 1959 G. tested and found to be sound.

S. Tow. Wall. 1959 - no loss. July - G. unpacked &amp; found in perfect condition.

Position of Station on Ordnance One-Inch map: No. of Map 102 National Grid Reference 43/207949

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
	C 1916	✓	✓	✓	