

# RAINFALL AT *Ramsbottom* *Rochdale* *Killgate Brook*

Lat. .... Lon. .... County of *South Lancashire*  
 Rain Gauge, by *Casartelli* Observer *J. Diggles Esq. C.E.*

*M Inwell 3*

Diameter ..					5						
Height ....					10						
Altitude ..					978						
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...											
February ..		3.41	3.40	4.15	4.52	2.43	6.55	(2.00)	4.45	2.65	
March ....		2.07	2.07	4.31	4.37	2.65	4.57	2.90	3.94	2.83	
April .....		3.75	3.06	5.60	3.08	3.97	3.98	4.18	3.48	4.33	
May .....		3.36	2.56	2.70	3.07	3.95	2.19	2.47	3.14	4.13	
June .....	#	1.72	3.90	4.41	3.31	.75	4.38	4.61	3.32	3.28	
July .....		4.12	2.35	1.62	2.35	1.45	4.15	1.54	8.67	2.22	2.83
August ....		2.44	2.00	3.43	5.15	2.37	3.14	2.29	3.56	6.06	7.05
September..		6.09	3.29	4.05	6.75	5.67	5.42	5.20	5.62	4.63	3.56
October ....		1.75	2.34	2.33	5.80	1.98	3.12	1.68	1.50	4.49	3.71
November ..		6.56	4.15	5.62	11.07	3.13	4.15	7.75	5.19	2.38	6.75
December ..		4.43	6.85	3.49	4.02	4.47	5.12	5.12	3.78	3.26	1.73
TOTALS ..		6.59	6.32	3.94	2.83	3.79	1.03	4.85	4.76	3.80	8.12
		41.61	39.47	59.14	41.16	39.88	50.10	(49.24)	45.16	50.97	

1907. Jan. estimated.

Norden Church 2½ miles E

Ramsbottom Station 2½ miles W.

1903. June-Dec. recd. and entered 22.VI.09.

+ Inspected

*Annual values rejected from survey (2.10.09)*

RAINFALL at Ramsbottom Killgate Brook MCounty of South LancashireObserver J Stanley Drizzle Esq. C.E.  
*Registered meteorologist. W. P.S.*River Basin Mensay. Lawell 3Rain Gauge, by N+3

M

Diameter ...	5										
Height .....	1 0										
Altitude ...	978 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.55	1.85	3.96	4.74	3.69	6.99	4.03	3.40	3.83	5.50	
February ...	5.00	5.85	2.26	1.97	3.08	5.43	4.77	1.41	6.69	1.01	
March .....	1.06	2.44	6.49	5.27	6.12	1.92	2.13	2.56	2.54	5.62	
April .....	3.30	2.91	1.03	5.24	1.93	2.04	3.69	1.85	.89	2.60	
May .....	3.12	3.12	2.96	6.28	2.76	1.81	3.18	1.95	3.83	2.33	
June .....	3.62	4.11	7.26	3.23	2.63	1.69	3.61	2.35	1.86	1.98	
July .....	5.71	.28	5.13	1.39	5.60	5.14	2.52	3.12	6.02	2.48	
August .....	7.63	2.89	8.47	2.59	4.24	6.73	4.57	7.41	3.87	4.68	
September ..	.36	4.65	2.16	2.22	5.02	.77	3.40	2.89	13.45	2.82	
October ...	4.04	3.64	5.91	2.30	2.90	2.26	8.66	9.94	4.85	2.86	
November ..	6.44	5.08	3.77	5.97	6.37	2.20	3.71	5.92	2.99	4.28	
December ...	4.79	7.30	5.43	3.23	6.47	8.85	3.70	2.59	10.35	8.30	
TOTALS ...	50.62	44.12	54.83	44.93	50.81	45.83	47.97	45.39	60.16	44.13	

1913 f on the Moor NE from Ramsbottom Station

Rejected from Survey 3" Co.

f Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Ramsbottom Wardleworth	3 m 2 1/2 m	E W	Shallworth Horden	2 m 2 1/2 m	W E

## RAINFALL at Ramsbottom Hillgate Brook M

County of Lancashire

Observer J. H. Diggle Esq. C.E. (R.-g.)

River Basin Mersey-Tweddle &amp;

Heywood &amp; Middleton Water Bd

Rain Gauge, by H. G.

J. Fontaine (Secy &amp; Manager)

M

Diameter ...	5											
Height .....	1	0										
Altitude ...	978											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS	
January ...	5.52	8.05	3.99	4.60	3.94	3.73	5.74	4.99	13.36	2.37	6.47	
February ...	4.51	5.7	5.94	6.37	1.35	5.56	4.78	2.49	5.62	1.25	5.6	
March .....	4.05	3.94	3.94	2.34	1.81	2.10	2.53	4.78	3.42	1.70	2.86	
April .....	6.00	2.07	3.05	4.12	2.09	2.97	1.98	3.88	1.31	1.33	2.82	
May .....	6.73	3.35	2.08	4.57	6.07	5.04	4.27	2.01	1.53	3.36	1.99	
June .....	3.75	4.2	3.12	1.10	3.02	1.1	3.35	5.56	8.58	1.75	2.00	
July .....	9.02	1.99	5.67	4.89	5.69	2.32	2.91	3.88	2.52	3.93	7.02	
August .....	3.42	7.49	5.44	6.67	8.48	4.94	5.16	7.72	7.35	6.59	8.58	
September...	2.84	1.71	4.94	5.71	5.38	4.29	4.07	6.71	0.81	2.36	4.89	
October .....	1.69	3.51	1.98	6.95	6.47	5.73	4.72	5.43	6.78	7.25	7.20	
November...	2.53	3.63	4.06	8.16	3.23	2.55	6.89	5.30	8.05	9.06	7.25	
December...	4.60	6.97	5.22	5.30	5.81	3.30	2.12	1.30	3.51	8.64	4.42	
TOTALS...	54.66	43.70	48.43	60.78	53.34	42.64	48.52	54.05	62.77	49.59	56.06	

v

Rejected from survey 3" low.

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	Direction from gauge
1920			Ramsbottom	3 mi	NW	Norden	2 mi	S.



RAINFALL at Ramsbottom (Killgate Brook)County of South Lancashire Observer Heywood Water BoardRiver Basin Mersey-Irwell-3Type of Gauge BradfordAnnual Average ~~5.6~~ in. based on ~~27~~ years obs. ~~un~~-weighted. Period of average 1881-1915 Ref P. 6 255

8/15/15/28.

Diameter	5.										
Height	1.0.										
Altitude	978.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.63	6.08	3.02	4.26	2.47	5.51	4.63	6.27	5.73	1.39	
February	6.14	.27	4.15	.64	6.57	2.81	6.56	2.35	5.69	2.70	
March	.64	3.03	3.16	2.56	1.86	2.94	1.71	1.45	2.76	3.43	
April	3.95	4.42	2.17	2.65	4.02	1.23	3.74	.75	2.36	3.02	
May	3.49	5.97	2.01	3.91	.92	1.26	2.36	4.02	1.83	.94	
June	7.35	.98	2.76	3.21	4.48	4.29	2.31	5.42	3.96	1.06	
July	5.84	4.79	3.45	2.70	2.32	5.77	2.89	5.49	7.56	4.23	
August	6.70	1.67	2.35	4.38	1.95	3.66	3.13	4.39	3.11	2.43	
September	3.98	5.99	2.02	4.39	9.49	5.96	2.11	2.29	1.53	5.33	
October	2.91	9.45	5.75	6.92	10.53	6.27	2.42	12.41	2.62	5.43	
November	11.32	4.03	2.54	2.41	5.50	6.63	2.34	6.80	8.56	8.90	
December	2.73	2.70	.69	4.33	4.48	4.96	3.04	5.76	4.13	6.07	
TOTALS	60.68	49.38	34.07	45.36	54.59	51.29	37.29	57.50	49.84	44.93	

Inspected 17/9/37 8 in fence 16' diameter 46' high in narrow valley bottom running down to S. Good site but somewhat over-exposed. Zuff. wall recommended.

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
1931			Ramsbottom	3m.	NW	Hornden	2m	S.

Station No. 2905

RAINFALL at Ramsbottom (Kilgate Brook)

41

County of South Lancashire

Observer

Hegwood Water Board.

River Basin Mersey, Pudd - 3

1950

Type of Gauge Bradford

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

File No. 815115/28

Diameter	5"			561	848						
Height	1'0"				1						
Altitude	978'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.31	6.14	6.81	6.73		5.92	3.52	10.80	2.50	3.90	
February	5.50	2.27	3.41	2.57		7.17	1.02	3.52	3.65	6.36	
March	3.96	4.40	1.54	.94		1.52	7.68	1.79	2.04	3.70	
April	2.24	2.63	3.15	3.67		1.88	4.08	2.05	4.16	3.56	
May	2.97	4.06	3.31	3.79		1.31	2.67	2.15	3.93	2.10	
June	.45	.79	4.27	3.20		4.26	3.06	6.24	.52	3.67	
July	2.92	5.80	3.77	4.51		5.02	3.62	2.75	2.97	6.69	
August	6.97	5.87	7.63	3.97		8.60	.35	5.57	4.82	8.25	
September	1.25	2.86	6.00	6.31		8.98	3.50	3.68	1.67	8.49	
October	5.77	7.65	4.25	6.15		1.29	.99	3.78	5.71	3.04	
November	3.59	1.49	4.27	9.31		8.56	6.73	2.68	7.01	7.15	
December	3.06	4.93	2.75	5.43		4.30	4.28	4.43	7.32	3.27	
TOTALS	42.01 M.	48.89 M.	51.16 M.	56.58 M.	N.R.	58.81 M.	41.50 M.	49.44 M.	46.60 M.	60.18 M.	

11 Point with forade gauge measured 9.12.40

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.
1941			Ramsbottom	3 m.	N.W.	Morden	2 m.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 2905

RAINFALL at Ramsbottom (Kilgate Brook) 51

County of Lancashire Observer Heywood + Middleton Water Board

River Basin Mersey - Irwell - 3

Type of Gauge Bradford

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

File No. 815115/28

Diameter ...	5"			561	848						
Height ...	1' 0"				1						
Altitude ...	978'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.07	5.64	2.36	5.09	3.85						
February ...	2.40	1.74	1.60	4.15	2.25						
March ...	4.87	3.53	2.42	3.09	1.82						
April ...	2.49	3.36	3.92	4.5	2.69						
May ...	1.89	2.10	2.78	3.76	4.42						
June ...	1.42	4.34	3.94	4.67	4.22						
July ...	3.08	2.92	6.02	6.36	1.19						
August ...	5.76	6.71	5.26	6.60	1.21						
September ...	8.98	4.35	5.61	6.20	4.08						
October ...	1.14	5.54	2.19	9.10	2.51						
November ...	9.53	3.20	6.12	7.55	2.68						
December ...	8.76	4.68	2.38	8.28	6.34						
TOTALS ...	56.99	48.11	44.60	66.30	37.26						
	n	n	n	n	M						

Inspected May 1956 N. Deeks. Gauge a wreck. (BA top on bottle). Site c/o S. Reconn. move to hollow 100 x NE. of replacement gauge.

Print with forkhole gauge overexposed.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 84/8.2016.3

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Ramsbottom	3 m.	N.W.	Norden	3 m.	S.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	41-44, 46-50	