

RAINFALL AT *Rockdale, Killgate Brook*

Lat. Lon. County of *South Lancashire*

Rain Gauge, by *Casartelli*. Observer *J. Diggle Esq. C.E.*
M Irwell 3

Diameter ..					5					
Height ..					10					
Altitude ..					978					
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
										MEANS.
January ..										
	3.41	3.40	4.15	4.52	2.43	6.55	(2.00)	4.45	2.65	
February ..										
	2.07	2.07	4.31	4.37	2.65	4.57	2.90	3.94	2.83	
March ..										
	3.75	3.06	5.60	3.08	3.97	3.98	4.18	3.48	4.33	
April ..										
	3.36	2.56	2.70	3.07	3.95	2.19	2.47	3.14	4.13	
May ..										
	#	1.72	3.90	4.41	3.31	.75	4.08	4.61	3.32	3.28
June ..										
	4.12	2.35	1.62	2.35	1.45	4.15	1.54	8.67	2.22	2.83
July ..										
	2.44	2.00	3.43	5.15	2.37	3.14	2.29	3.56	6.05	7.05
August ..										
	6.09	3.29	4.05	6.75	5.67	5.42	5.20	5.62	4.63	3.56
September ..										
	1.75	2.34	2.33	5.80	1.93	3.12	1.68	1.50	4.49	3.71
October ..										
	6.56	4.15	5.62	11.07	3.13	4.15	7.75	5.19	2.88	6.75
November ..										
	4.43	6.85	3.49	4.02	4.47	5.12	5.12	3.78	3.26	1.73
December ..										
	6.59	6.32	3.94	2.83	3.79	1.03	4.85	4.76	3.80	8.12
TOTALS ..										
	111.61	39.47	59.14	41.16	39.85	50.10	(49.24)	45.16	50.97	

1907. Jan. estimated.

Norden Church $2\frac{1}{2}$ miles E

Ramsbottom Station $2\frac{1}{2}$ miles W.

1903. June-Dec. recd. and entered 23.VI.09.

+ Inspected

Annual values rejected from survey ($\frac{2}{3}$ low)

RAINFALL at Ramsbottom Hillgate Brook M

County of South Lancashire

Observer J Hawley Drayle Esq CB

Repton Middlesex W. 13.

River Basin Mersey Inwell 3

Rain Gauge, by 7+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	6.85	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	1.85	1.95	
July	6.71	.28	5.13	1.39	5.60	5.14	2.52	3.12	6.02	2.48	
August.....	7.60	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	2.52	
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 Wardloworth	3 m 2½ m	W	Shelburne Warden	2 m 2½ m	E

RAINFALL at Ramsbottom (Hillgate Brook) M

County of S. Lancashire

Observer J. S. Diggle Esq. G.E. (Eng.)

River Basin Mersey - Irwell 3

Steywood & Middleton Water Bd

Rain Gauge, by 223

Farnworth (Seen & Manure)

M

Diameter ...	5"										
Height	1	0									
Altitude ...	975										
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	5.57	5.94	6.37	1.35	5.56	4.78	2.49	5.62	1.25	.56
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	1.81	1.33	2.82
May	6.73	3.35	2.08	4.57	6.07	5.04	4.27	2.01	1.53	3.86	1.99
June	3.75	2.42	3.12	1.10	3.02	1.11	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	6.70	7.25	7.20
November...	2.53	3.63	4.06	8.16	2.23	2.55	6.89	5.20	8.05	9.06	7.25
December...	4.60	6.97	5.22	5.30	5.31	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	119.59	56.06

Rejected from survey 3° Law.

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	
1920				Ramsbottom	3 mi NW	Norden	2 mi S.

RAINFALL at Ramsbottom (Killgate Brook)

County of South Lancashire Observer Heywood Water Board
 River Basin Mersey-Irwell-3
 Type of Gauge Bradford

Annual Average 15.6 in. based on 27 years obs. unweighted. Period of average 1931-49s Ref P.B. 355
 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	4.68	6.27	5.73	1.39	
February	6.14	2.7	4.15	.64	6.57	2.81	6.56	2.35	5.69	2.70	
March	6.64	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	5.76	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	6.01	
TOTALS	60.68	49.38	34.07	45.36	54.59	51.29	37.29	57.50	49.84	44.43	

Inspected 17/9/37 6 in fence 15' diameter 46' high in narrow valley bottom running down to S. Good site but somewhat over-exposed. Luff 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	Parish Church.	Distance from gauge	Direction
1931			Ramsbottom	3m.	NW	Horden	2m	S.

Station No. 2905

RAINFALL at Ramsbottom (Killegate Brook) II
 County of South Lancashire Observer Heywood Water Board.
 River Basin Mersey.owell - 3 Middleton
 Type of Gauge Bradford

41

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

File No. 815115/28

Diameter	5"		561	848							
Height	10'				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	5.65	6.36		
March	3.98	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	2.94	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	8.94	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	5.44	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	3.68	7.08	7.15		
December	3.06	4.93	2.75	5.43	4.30	4.28	4.43	7.32	3.27		
TOTALS	42.04	48.89	51.16	56.58	N.R.	58.81	41.50	49.44	46.60	60.18	
	M.	M.	M.	M.		M.	M.	M.	M.	M.	

II Point with latitude & longit. 2100.

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

Station No. 2905

51

RAINFALL at Kamasbottom (Killgate Brook)

County of Lancashire

Observer Heywood & Middleton Water Board

River Basin Nursey - Irwell - 3

Type of Gauge Bradford

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

Ref.

File No. 815.115/28

Diameter ...	5"		561	848						
Height ...	1' 0"				1					
Altitude ...	978'				51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	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	.95	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	6.86	1.19					
August	5.76	6.71	5.26	6.60	1.21					
September	3.98	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	9.28	6.34					
TOTALS ...	50.99	43.11	44.60	66.30	34.26					
	n	n	n	n	M					

Inspected May 1956 no decks. Gauge a wreck. (B.A. top on bottle). Site off S. Recommend move to hollow 100' N.E. of replace gauge.

Print with frontispiece "Agency unoccupied".

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference Pg. 18. 30163

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Kamasbottom	3 m.	N.W	Warden	2 m. S.

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		V —	V —	V —	41-49, 46-50 —	