

RAINFALL AT Rawtenstall Cloughbottom Res.

Lat. _____

Lon. _____

County of

Lancashire

Rain Gauge, by _____

Observer

R B Rigby Esq

Mersey - Irwell 3

Diameter										8	
Height										10	
Altitude										1025	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January										1.08 3.79	6.62
February										3.09 3.96	2.21
March										5.26 2.47	2.84
April										4.10 3.22	4.67
May										2.27 3.47	3.23
June										4.79 3.58	1.73
July										2.28 1.82	2.50
August										6.75 6.05	1.98
September										5.82 1.51	8.59
October										2.52 5.34	3.75
November										4.97 4.18	3.31
December										6.65 5.48	3.39
TOTALS										49.58 44.87	44.82

RAINFALL AT Rawtenstall Loughbottom Reservoir
 Lat. Lon. County of Lancashire South

Rain Gauge, by

Observer R. B. Rigby Esq.

Swell 3

Hartshill Edge

Woodhead South

c.2

Diameter ..	8											
Height	1.0											
Altitude ..	1025											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	6.05	3.13	3.69	5.19	5.58	2.75	7.88	2.42	4.72	3.02	4.44	3
February ..	3.73	2.07	1.88	5.23	4.39	3.16	1.58	2.65	3.91	3.63	3.52	3
March ..	.90	3.39	2.94	7.71	2.88	4.52	3.69	4.49	3.78	3.08	3.73	8
April ..	3.39	2.99	2.78	2.93	3.48	4.34	1.98	2.70	3.77	3.87	3.22	3
May ..	2.43	1.51	3.80	5.42	3.46	.92	1.61	4.20	3.49	3.08	3.09	2
June ..	3.83	1.78	1.64	1.49	1.44	2.71	2.39	8.45	2.08	2.85	2.86	6
July ..	3.02	.90	4.16	4.14	1.76	2.10	2.62	3.20	6.15	6.32	3.43	7
August ..	5.33	3.08	4.69	6.64	5.28	4.94	4.58	5.19	4.25	4.11	4.80	9
September ..	2.05	1.91	1.98	6.12	1.88	3.63	1.55	1.03	4.40	3.27	2.78	5
October ..	6.69	4.46	5.19	11.90	2.61	4.60	8.12	5.30	2.04	6.40	5.73	1
November ..	4.64	6.78	3.50	3.55	4.45	5.93	5.73	3.55	4.19	1.77	4.40	9
December ..	6.35	3.46	4.75	3.58	3.37	1.24	4.42	5.70	3.23	5.67	4.17	7
TOTALS ..	48.41	35.46	41.00	61.90	40.58	40.84	52.15	48.88	46.01	47.07	40.30	44

D D D D

1906 Waterfoot Station 4 miles S

H.W.D.

+ Inspected

RAINFALL at Rawtenstall Colnebottom Res No 1

County of South Lancashire Observer J Woodhead Smith Esq C.E.

River Basin Mersey Dwell 3

Rain Gauge, by _____

Diameter ...	8											
Height	1.0											
Altitude ...	1025											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1918-19 MEANS	TOTALS
January ...	5.37	1.67	3.63	4.49	3.41	6.01	3.81	2.48	3.09	5.19	14.57	
February ...	5.64	5.20	2.31	2.15	3.95	6.37	4.93	.90	6.00	1.13	12.96	
March	1.19	2.20	6.11	5.88	5.62	1.95	2.40	3.35	2.02	5.00	12.82	
April	4.35	3.06	1.09	6.34	1.64	2.85	4.00	2.07	1.25	2.57	9.89	
May	3.95	4.79	2.57	4.39	2.66	1.58	3.10	2.04	2.51	2.26	9.91	
June	3.19	4.57	6.71	2.27	2.30	.94	3.21	2.94	2.32	2.37	10.84	
July	4.63	.54	5.04	1.28	4.83	5.28	2.55	2.01	3.61	2.74	10.91	
August	7.30	2.84	6.49	2.17	3.26	4.34	4.27	8.36	3.96	4.55	21.14	
September ..	4.49	3.78	2.04	1.97	3.41	1.06	2.84	2.43	12.89	2.66	20.82	
October ...	4.51	4.07	5.16	2.37	2.93	1.49	9.62	8.64	4.29	2.87	25.42	
November ..	5.75	5.45	3.83	5.90	7.21	1.78	3.84	5.34	3.37	4.08	16.93	
December ...	5.50	8.59	5.73	3.62	7.12	8.60	4.02	2.80	9.69	8.40	24.91	
TOTALS ...	51.87	46.76	52.71	42.83	48.84	42.25	48.59	43.36	55.00	44.17	191.12	1918-19 TOTALS

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Waterfoot					

2924
20

RAINFALL at Rawtenstall Cleghbottom Reservoir No. 1

County of S. Lancashire

Observer J. Woodhead Smith Esq C.E.

River Basin Mersey-Trawell 3.

Bury St. Edm'

(1925) Glaisher Rain Gauge, by

J.A. Rodwees C.E. (1930)

*Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series*

No. of Man

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1925.			Pawtucket			

RAINFALL at Rawtenstall (Cloughbottom) No. 1.

County of South Lancashire.

Observer Bury Water Board.

River Basin Mersey-Towell-3.

Towell Valley Water Bd.

Type of Gauge ~~Gauge~~ (1924) StandardAnnual Average ~~47.4~~ ⁴⁰ based on ~~37~~ years obs. un-weighted. Period of average 1881-1915. Ref. P.M.B. 38782/30.

P.M.B. 38782/30.

Revised x 11/37

Diameter	8.						5				
Height	1.0										
Altitude	1025'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.00	6.47	3.91	5.02	2.70	6.28	6.12	6.92	5.90	2.06	51.43
February	6.11	3.33	3.63	5.2	6.94	3.32	6.14	2.52	5.26	2.23	37.00
March	5.5	3.47	3.25	3.13	1.59	3.12	2.23	2.41	3.45	3.74	26.94
April	4.35	4.80	1.88	3.51	3.24	1.24	4.33	.85	2.62	3.70	30.52
May	2.98	4.84	3.17	4.07	1.19	.88	2.45	4.43	1.43	1.31	27.05
June	7.22	1.50	2.67	3.03	4.14	4.57	2.61	5.42	4.29	1.06	36.51
July	5.49	5.08	4.01	2.90	2.45	5.00	2.51	6.54	8.34	5.14	47.46
August	6.60	1.49	2.59	4.61	1.76	3.54	2.56	5.41	3.42	3.17	35.45
September	5.12	6.27	3.49	4.40	8.38	5.99	2.09	2.87	.66	4.96	44.23
October	3.49	8.49	6.12	6.22	10.90	5.66	2.48	11.73	2.62	5.12	62.83
November	9.89	3.57	3.18	2.06	5.86	6.77	2.24	8.59	8.25	10.78	10.69
December	2.80	3.14	.77	7.88	3.59	6.71	2.97	6.22	3.41	6.39	43.88
TOTALS	61.10	49.45	38.67	47.35	52.74	53.18	37.75	62.91	50.26	49.66	50.40
	D	D	D	D	D	D	D	D	D	D	D

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
			Waterfoot.					

Station No. 2924

RAINFALL at Rautenstall (Bloughbottom) N°1

41

County of South Lancashire Observer Irwell Valley Water Bd.

River Basin Mersey - Irwell - 3

Type of Gauge Ammonia

Annual Average 47.4 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 424

File No. 58782/20

Diameter	5"		560	727							
Height	10"			1							
Altitude	1025'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.73	4.93	6.87	7.14	4.97	5.78	4.05	9.93	3.29	3.69	Totals 52.38
February	3.33	2.30	3.86	2.30	6.14	6.84	.87	3.21	3.94	5.91	40.70
March	4.19	4.33	1.40	.79	1.81	1.10	3.48	2.21	1.96	2.91	29.16
April	2.28	2.47	2.97	3.24	2.85	1.58	4.66	2.59	4.20	3.84	30.68
May	3.11	3.96	3.34	3.40	4.64	1.63	2.17	1.74	3.07	2.22	29.28
June	.59	1.56	3.70	4.22	6.64	3.39	3.35	6.37	.83	2.79	33.44
July	2.24	5.76	2.93	3.66	3.43	4.71	3.80	3.05	2.32	5.44	37.37
August	6.80	5.52	8.07	3.91	3.31	8.92	.19	4.87	3.81	7.65	52.75
September	1.23	3.33	5.83	7.00	3.59	8.16	3.82	4.56	1.75	8.59	47.86
October	5.84	8.65	3.87	6.34	6.71	1.19	1.29	3.00	6.89	3.54	46.02
November	3.74	1.66	4.03	8.20	.58	8.78	6.98	2.78	7.21	7.08	51.04
December	3.56	4.73	2.91	5.46	3.87	5.28	3.99	4.86	7.69	3.14	45.51
TOTALS	40.36	49.20	49.78	55.66	48.54	5736	43.65	49.19	45.66	56.80	496.19 4146

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
1941			Waterfoot.	3 ~		Waterfoot	3 ~

Station No. 2924

51

RAINFALL at Rawtenstall (Clough Bottom) N° 1.

County of Lancashire Observer Irwell Valley Water Bd.

River Basin Mersey - Irwell - 3

Type of Gauge Snowdon

Annual Average 47.4 in. based on 40 years obs. up-weighted. Period of average 1881-1915 Ref. P.B. 424
 " " 51.39 " " 39 " within 1916-57. " " " 1916-50 File No. 58782/20

Diameter ...	5"	560	727								
Height ...	11 0"			1							
Altitude ...	1025'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means-Totals
January	4.54	5.44	2.13	5.35	2.38	5.69	4.61	5.13	3.62	5.76	44.65
February	4.00	1.65	2.09	3.63	2.05	1.43	4.09	7.05	.76	3.69	30.44
March	5.22	2.33	2.52	3.88	2.38	2.27	4.59	2.21	2.48	1.49	29.37
April	2.67	3.66	4.21	.82	2.84	3.33	.49	1.66	3.70	3.15	26.53
May	2.10	2.47	2.47	4.04	4.48	2.07	1.81	5.48	2.25	2.06	29.23
June	1.38	4.88	3.35	3.12	3.34	3.59	2.55	4.63	3.94	1.48	32.26
July	4.24	2.75	6.29	6.28	1.36	6.32	5.87	3.85	3.73	2.97	48.66
August	5.96	7.35	6.18	7.75	1.84	12.92	6.83	4.89	.62	6.39	60.33
September	3.27	5.01	5.21	6.85	4.04	4.62	7.38	5.00	.30	3.68	45.41
October	1.28	5.41	2.66	9.41	3.92	3.37	6.46	5.20	5.66	5.34	48.71
November	10.26	2.79	6.23	8.29	3.23	2.47	2.76	2.01	5.00	2.94	50.98
December	10.63	4.73	2.46	8.28	6.89	5.62	6.00	5.11	8.77	5.28	63.77
TOTALS ...	55.55	48.47	45.85	67.70	38.75	53.70	53.44	51.82	40.83	54.23	510.34
	D	D	D	D	D	D	D	D	D	D	

Inspected Mr. Dicks July 1956. Gauge scales still joint. Measured exposed. Little SE but not available.
 1957 np low
 1958 faint

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 261/845267

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1954			Waterfoot		Waterfoot	

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓ 2011-19	✓	✓	✓	✓ about d45