

RAINFALL AT Prestwich Reservoir

Lat.....

Lon..... County of Lancashire.....

..... Rain Gauge, by..... Observer, J. F. Bateman Esq.,.....

Diameter.....											
Height											
Altitude.....											
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				4.10		4.62	2.01	5.76	3.78	1.36	
February.....				1.55		1.76	4.11	4.30	1.43	3.15	
March.....				2.70		1.71	3.93	2.60	1.96	1.69	
April.....				1.45		1.95	3.06	1.86	1.89	2.11	
May				2.24		2.19	1.14	3.09	3.41	1.93	
June.....				2.36		1.40	3.34	1.98	3.27	4.63	
July				4.61		5.63	3.58	6.15	8.4	4.58	
August.....				4.48		4.97	3.80	4.66	5.00	5.38	
September.....				2.53		5.50	3.36	2.45	4.96	2.95	
October.....				5.56		4.78	3.09	4.57	3.81	2.56	
November.....				2.64		1.43	3.30	6.58	2.25	1.30	
December.....				1.83		1.16	5.48	3.39	2.76	2.68	
TOTALS.....				33.05	36.91	40.10	40.20	47.39	35.36	34.82	

1874 more fully

seen made by Mr. Bateman

to be on first sheet, 1874, of rainfall

2839

80

RAINFALL AT Manchester, Prestwich &

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer F. Battman, Esq. F.R.S.Mersey Inwell 3

Diameter											
Height											
Altitude	<u>347 T</u>										<u>356 T</u>
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January52	.88	3.12	4.83	4.90	2.14	4.72	1.80	2.00	1.40	2.631
February	2.04	5.93	2.48	1.82	2.20	2.92	.80	.75	1.02	2.37	2.233
March	2.51	4.49	2.87	.85	2.04	2.16	2.62	1.63	2.03	2.50	2.870
April	1.47	1.34	4.23	1.78	.84	1.35	1.73	.87	1.40	1.88	1.689
May	2.43	3.89	2.40	.75	1.93	2.28	5.00	2.00	.98	2.92	2.458
June	2.02	1.87	6.40	4.10	.96	3.66	2.17	1.05	3.22	.67	2.612
July	6.65	3.54	6.07	2.47	3.87	1.58	3.47	1.59	6.85	3.36	3.945
August	2.60	4.65	3.32	2.60	2.05	1.64	2.16	1.18	3.62	5.91	2.973
September....	5.27	2.60	1.71	5.70	3.68	5.14	3.95	4.40	1.57	2.76	3.708
October.....	2.33	3.15	3.75	5.59	2.32	6.23	5.23	2.08	1.72	2.50	3.490
November....	3.48	3.86	6.10	3.76	1.80	3.13	2.52	1.30	5.27	1.73	3.295
December....	6.63	4.79	3.86	3.58	4.60	2.88	4.32	2.88	2.20	2.96	3.870
TOTALS	39.95	40.99	46.31	37.83	31.19	35.41	38.69	21.53	31.88	30.96	35.274

Values rejected from Survey (3 low).

RAINFALL AT

Prestwich Reservoir

Lat.

Long.

County of

Lancashire

Rain Gauge, by

Observer

G. H. Hill Esq. C.E.

Mersey Irwell 3

Diameter						12				
Height						20				
Altitude	3567										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.92	2.40	3.82	1.05	2.38	2.90	1.41	1.68	2.30	4.24	2.610
February30	.30	2.30	3.87	4.98	.45	1.70	2.42	2.42	.98	1.972
March	3.32	1.61	.86	.88	2.93	2.76	4.64	2.80	1.84	1.86	2.850
April94	2.15	1.24	.68	1.63	1.66	1.70	2.41	1.87	3.11	1.789
May	2.29	2.30	3.78	1.73	2.58	1.09	.34	1.78	3.10	2.58	2.157
June	3.35	2.55	3.58	1.60	3.15	1.85	2.70	3.98	2.44	1.92	2.712
July	3.00	2.80	3.78	2.84	3.10	4.98	2.45	1.48	.43	2.41	2.727
August	4.55	6.55	5.50	1.87	4.46	3.68	2.60	3.01	4.62	1.36	3.820
September	1.62	2.83	4.12	3.90	.57	2.08	6.88	3.90	.63	5.09	3.162
October	2.72	4.57	4.90	3.00	4.16	3.31	4.17	2.05	3.12	3.00	3.500
November	5.58	3.20	2.85	2.48	1.86	2.75	1.06	4.80	2.02	1.12	2.772
December46	6.12	2.55	3.37	3.36	3.98	4.02	4.41	3.52	2.76	3.455
TOTALS	3205	37.38	39.28	27.27	35.16	31.49	33.67	34.72	28.31	30.43	32.976

1880

Annual value rejected from survey (3% low)

RAINFALL AT Prestwich Reservoir

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer C.H. Nell Eng. CE

Inwell 3

Diameter ..	12									
Height	2.0									
Altitude ..	356 T									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	4.83	2.52	2.23	2.43	2.47	1.80	4.60	1.58	2.85	1.77 2708
February ..	2.53	1.35	1.12	2.98	3.05	1.58	2.73	1.75	2.64	1.45 2118
March41	2.51	1.65	3.31	1.72	3.28	2.96	3.15	2.55	2.95 2449
April	2.27	2.57	2.31	1.88	1.90	2.65	1.88	1.08	2.35	3.36 2225
May	1.65	.80	3.11	3.13	2.55	.58	2.58	3.45	2.54	1.80 2214
June	2.85	2.32	.92	1.47	1.03	1.92	1.43	6.27	1.67	1.80 2168
July	2.44	3.23	2.37	3.68	1.08	2.42	1.26	3.33	4.51	5.26 2958
August	5.89	1.96	2.61	4.24	4.20	4.40	3.69	4.04	3.11	3.02 3716
September ..	1.22	.80	1.33	5.13	1.27	3.33	1.54	.83	3.09	2.10 2064
October	5.32	2.98	4.85	7.23	1.79	3.02	5.87	3.46	1.35	4.91 4028
November ..	2.83	4.42	1.87	3.87	2.62	3.62	2.72	2.66	2.50	1.10 2821
December ..	4.48	3.75	2.35	1.42	2.75	.54	3.55	3.16	2.28	6.35 3063
TOTALS ..	36.72	29.21	26.22	40.77	26.43	29.09	34.81	34.76	31.44	35.87 32532

Hub

Annual total rejected from survey. (316)

RAINFALL at Prestwich Reservoir

County of South Lancashire

Observer G. H. Hill Esq. C.E.

River Basin Mersey-Swell 3

Rain Gauge, by

Diameter ...	12										
Height	20										
Altitude ...	366 T							357			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS: TOTALS
January ...	4.08	.97	3.24	3.56	2.32	5.02	2.62	2.40	2.35	3.80	11.17
February ...	2.96	3.31	1.14	1.20	1.84	3.20	3.89	.98	4.48	.84	10.19
March76	1.48	5.00	3.47	4.39	1.39	1.86	1.92	1.61	5.60	10.99
April	2.39	2.43	.67	3.89	1.07	1.37	2.97	1.30	1.04	1.78	7.09
May	3.28	1.03	2.72	2.77	2.07	1.43	3.08	1.83	2.55	1.63	9.09
June	2.96	2.33	4.94	2.03	2.07	3.05	3.03	1.75	1.52	1.80	8.10
July	3.76	.46	4.18	1.60	4.72	4.33	1.93	1.80	3.86	1.77	9.36
August	5.63	2.10	6.03	2.48	3.39	3.87	2.56	6.15	3.12	3.37	15.20
September ..	.19	3.50	1.81	1.68	2.81	1.37	2.56	2.12	10.01	1.60	16.29
October ...	3.32	2.73	4.57	1.57	2.20	1.43	6.33	6.65	3.48	2.35	17.81
November ...	4.75	3.02	2.51	3.85	4.42	1.39	2.62	4.26	1.63	2.82	11.33
December ...	2.74	5.77	4.11	2.41	5.43	6.24	2.38	1.59	7.78	6.00	17.75
TOTALS ...	36.82	29.13	40.92	30.51	36.73	34.09	34.83	32.75	43.43	33.36	144.37

Rejected from Survey. 3" low.

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

RAINFALL at Prestwich Reservoir (old gauge)²⁰

County of Lancashire

Observer Messrs G. H. Hill & Sons G.E.

1921. S. Holme Lewis Esq. G.E.

River Basin Mersey-Irwell 3

Manchester Captain, W.H.

Rain Gauge, by

W. F. H. Cocker.

Diameter ...	12										
Height	2.0									2.0	
Altitude ...	357										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.26	5.43	2.90	3.12	2.65	2.42	3.90	4.20	8.88	1.79	4.47
February ...	3.56	3.23	3.87	4.32	3.0	5.40	3.66	1.40	4.65	1.20	2.4
March	2.90	2.66	2.18	1.80	1.35	1.45	1.61	4.32	2.47	1.09	2.27
April	3.97	1.23	2.38	3.10	1.77	2.42	1.35	2.37	.83	1.20	1.65
May	6.26	1.84	1.95	3.32	4.90	5.16	3.64	1.66	1.30	2.82	1.72
June	2.40	2.29	2.20	5.5	2.66	01	1.99	4.16	5.62	1.83	1.50
July	6.58	1.58	4.92	4.08	3.36	2.26	2.55	3.35	1.68	3.25	5.20
August	2.58	5.35	4.72	3.95	6.21	3.94	4.85	7.04	4.70	4.26	5.17
September...	2.54	1.00	4.08	4.12	3.24	4.11	3.46	5.69	.64	1.68	2.80
October....	1.25	2.73	3.5	4.65	4.48	4.14	3.03	2.97	4.26	5.35	4.66
November...	1.32	2.23	2.75	5.25	1.75	2.85	5.31	3.58	4.90	6.45	4.84
December...	2.97	5.20	4.00	3.95	3.88	2.43	1.64	1.05	2.89	6.17	5.23
TOTALS...	40.59	29.86	36.30	42.21	37.05	36.59	36.49	41.79	42.47	36.09	37.30.

1928 Revised data sent 11/30
See Encl. 33B File 660604/26New gauge at 1 ft ~~installed~~
^{following} Nov. 1928
See ~~for~~ sheet

1930. Gauge replaced.

~~Rejected from survey 3 cm~~

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

RAINFALL at

Prestwich Reservoir New gauge

County of S. Lancs

Observer Manchester W.W.

River Basin

- 3

Engineer L. Holme Lewis C.E.

W.F.H. Greber

5

Rain Gauge, by

Diameter ...									5		
Height									1.0		
Altitude ...									357		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN
January ...										1.82	4.55
February ...										1.22	3.4
March										1.14	2.54
April.....										1.33	2.00
May										3.02	1.90
June										1.03	1.72
July										3.46	5.57
August										4.45	6.81
September...										1.75	3.16
October.....										5.40	4.71
November...										5.05	6.54
December...										2.39	6.21
TOTALS...									-	34.40	40.50

1929 up.

New gauge set up at 1 ft. See file 660604/26

1930. New scale selected by Inspector on 14.5.30.

check up.

Rejected from survey 3" low.Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

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

2889

RAINFALL at Prestwich Reservoir, old g.

County of South Lancashire.....

Observer Manchester Corp. W.W.

River Basin Mersey-Irwell-3.

Type of Gauge.....

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

Ref.....

660604/26.

Diameter	5.										
Height	2.0.										
Altitude	357.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.78	4.05	2.23								
February	4.49	.05	2.95								
March	.42	2.50	2.92								
April	3.38	3.01	1.35								
May	2.71	4.50	1.53								
June	5.08	.88	2.14								
July	5.75	4.37	3.07								
August	6.23	1.15	1.38								
September	3.05	4.17	1.73								
October	2.11	7.80	4.56								
November	6.56	2.82	1.43								
December	1.87	1.51	.54	# terminated. See heavy overleaf.							
TOTALS	46.43	36.81	25.83								

1931 being on old site.

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Prestwich Reservoir near of my site
 County of S. Lancs. Observer Manchester Corps. W.W.
 River Basin 3 - Mersey. Inwell.
 Type of Gauge.....

Annual Average 37.2 in. based on 20 years obs. yr-weighted. Period of average..... Ref.....

660604/26

Diameter	5												
Height	1.0												
Altitude	357.												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total		
January	5.00	4.35	2.63	3.11	1.89	3.89	3.29	4.84	5.09	1.69	35.78		
February	5.11	1.05	3.34	1.41	4.38	1.70	5.39	1.54	4.53	2.13	28.60		
March	1.47	2.73	3.16	2.49	1.50	1.85	1.20	1.00	1.90	3.16	19.46		
April	3.68	5.31	1.59	2.04	2.71	1.21	2.49	.53	2.80	2.34	22.60		
May	2.93	4.67	1.63	2.46	.90	.73	2.14	3.53	1.71	1.49	22.19		
June	5.51	1.99	2.36	2.03	3.57	3.33	1.66	4.04	2.93	1.02	27.44		
July	6.02	4.74	3.37	1.98	1.60	3.87	2.32	3.64	5.63	4.61	38.78		
August	6.47	1.19	1.55	3.04	1.91	2.28	2.22	3.53	2.46	1.89	26.54		
September	3.16	4.48	1.77	2.97	6.43	5.53	1.25	2.02	1.06	4.58	33.25		
October	2.27	8.21	4.95	4.64	7.63	4.22	1.86	8.88	1.66	3.96	48.28		
November	7.13	2.98	1.61	1.96	4.92	5.06	2.20	4.42	6.12	7.47	43.87		
December	2.09	1.73	.60	5.70	3.44	3.29	2.55	4.35	4.20	4.60	32.55		
TOTALS	49.74	39.43	28.56	32.83	40.88	36.96	28.67	42.34	41.04	38.94	379.34		

N.B. Heavy rain site.

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

Station No. M. 2839/1

RAINFALL at Prestwich Reservoir

41

County of South Lancashire Observer Manchester Corp. W.W.

River Basin Mersey. Gwell - 3

Type of Gauge

Annual Average 38.2 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. 1WS
1887-1915 File No. 60604/26

Diameter	5"		562	719							
Height	1' 0"			1							
Altitude	357'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means-Totals
January	.88	4.30	5.80	5.74	3.94	5.05	3.21	9.73	2.45	2.57	43.70
February	3.34	1.91	2.55	2.26	4.78	6.06	4.49	2.54	2.18	4.63	30.77
March	3.30	3.65	1.14	6.65	1.40	8.86	5.84	1.51	2.10	1.90	22.35
April	1.28	2.11	2.08	3.13	2.83	1.20	2.92	1.75	3.30	3.60	24.20
May	2.26	3.37	2.78	4.30	4.55	1.31	2.36	1.63	5.37	1.84	29.77
June	.41	9.23	9.92	3.41	5.80	3.87	2.77	5.56	.75	3.36	30.77
July	2.26	5.17	2.50	4.17	2.65	5.12	3.18	2.72	1.90	4.19	33.85
August	6.89	4.49	6.55	3.88	2.99	5.25	3.38	5.28	3.94	7.04	46.69
September	.88	2.63	5.23	5.97	2.94	7.14	3.02	2.50	.65	7.23	38.19
October	5.40	7.70	3.60	4.99	6.97	.79	.73	2.55	3.85	2.88	39.46
November	2.77	1.06	3.71	7.81	.59	6.24	5.53	2.18	5.80	6.02	41.71
December	2.44	4.27	2.46	3.98	2.64	3.84	3.49	3.76	6.48	4.04	37.40
TOTALS	32.13	41.67	42.32	5023	42.08	4673	33.92	41.71	38.77	49.24	418.86

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

Station No. 2839/1 m

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RAINFALL at Prestwich Reservoir

County of S. Lancashire Observer Manchester Corps. W.W.

River Basin Mersey - Irwell - 3

Type of Gauge D.L.K. (Aneroid) - 3

Annual Average 38.17 in. based on 10 years obs. unweighted. Period of average 1881 - 1915 Ref. 1W5
 " 41.73 " " 16 " last 1939-55. " " 1916-50 File No. 1916-50 E2013450

Diameter ...	5"		562	719							
Height ...	11 0"			1							
Altitude ...	357'	340'		51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	4.40	4.64	1.82	4.14	2.57	5.75	3.50	3.67	2.94	5.16	38.59
February	2.04	1.22	1.78	3.56	2.22	1.22	2.53	6.03	.61	2.19	23.40
March	4.86	2.82	2.23	2.75	2.09	1.58	3.74	2.43	1.74	0.91	25.15
April	2.56	3.89	3.03	.85	2.62	3.30	.78	1.34	2.89	2.24	23.50
May	2.19	2.17	2.13	3.44	3.26	1.68	1.70	3.82	1.30	1.95	23.64
June	.71	3.33	2.43	4.00	3.54	3.07	2.12	4.81	2.51	2.20	28.72
July	3.18	2.81	5.72	5.94	1.15	7.26	5.96	4.45	3.40	6.84	46.71
August	5.14	3.43	5.25	6.02	1.16	11.30	4.86	7.04	.38	5.80	50.38
September	3.29	3.81	3.99	4.86	2.82	3.46	6.67	6.15	.27	3.18	38.50
October	1.31	4.17	2.06	7.51	2.13	2.93	4.95	3.23	4.17	4.65	37.11
November	8.28	2.81	4.52	5.80	2.05	1.92	1.73	1.42	4.14	5.60	38.27
December	7.18	4.29	1.54	6.39	5.99	4.10	4.66	3.96	5.78	4.17	48.06
TOTALS ...	45.14	38.89	36.50	55.26	31.60	47.57	43.20	48.85	30.13	44.89	422.03

Interpolated 5.7 55 Mr. Deeks. Compacted back. Measure had flat built type. Site of New Hill. Recommended gauge repair, new type measure, the more gauge less in to protected house.

Position of Station on Ordnance One-Inch map : No. of Map (S.C.) National Grid Reference 5D/34/812032

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

Summary of Earlier Records from 10-year Sheets :

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