

RAINFALL at Hullard Park, old Trafford,County of LANCASTER S.Observer Ernest Worrall, Esq., C.E.River Basin Mang. Swell 3Flasher Rain Gauge, by N + L

Diameter ...	8"											
Height	1' 1"											
Altitude.....	100'											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEAN 1910-19	
January.....	1.43	3.72	3.04	2.19	4.85	2.33	2.53	2.00	3.25	10.11		
February ...	2.81	.97	1.11	1.93	2.21	4.12	.96	4.18	.64	9.90		
March	1.48	4.47	3.58	3.55	1.54	1.78	1.65	1.17	5.53	10.13		
April	2.36	.74	3.95	1.22	.96	2.56	1.18	1.24	2.69	7.67		
May	1.14	2.67	2.70	2.00	1.91	2.33	2.23	2.64	1.24	8.44		
June	2.52	3.97	1.70	1.90	3.32	3.27	1.69	1.28	1.38	7.62		
July61	4.14	1.31	4.69	4.84	1.62	1.85	4.07	1.76	9.30		
August	2.66	5.73	2.05	2.33	3.65	1.83	6.16	2.92	3.52	14.43		
September...	4.03	1.76	1.62	2.50	.58	2.02	1.49	8.67	2.04	14.22		
October.....	2.55	3.54	1.65	1.35	1.29	3.95	5.07	2.34	2.31	13.67		
November...	2.91	2.56	3.25	3.69	1.66	1.81	3.32	1.83	2.31	9.27		
December ...	5.11	3.62	2.36	4.74	5.55	2.85	1.66	5.00	4.62	14.13		
TOTALS ...	29.61	37.89	28.34	32.09	32.36	30.47	29.79	37.34	31.29	128.89		

Back years ^{read v. 13} 1911-21, inserted x1.25.

Gauge taken 10' high, 13 yds S.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53° 16'	2° 16'	Old Trafford	600 yds.	W	S. Milda.	100 yds.	SW.

RAINFALL at Manchester Millard ParkCounty of LancashireObserver E. Worrell Esq. C.E.River Basin Merey-Swell - 3

Surveyed to Stratford U.D.

Glaisher Rain Gauge, by N.B.G.

E. PARNER Esq. C.E.

Diameter ...			8									
Height			1	1								
Altitude ...			100									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS	
January ...	4.33	5.00	3.10	3.41	3.07	2.18	3.25	4.19	8.26	1.34	4.51	Total 42.64
February ...	3.17	4.5	3.98	3.88	1.11	5.35	3.11	1.66	3.96	.88	.26	27.81
March	2.73	1.03	2.16	1.30	1.29	1.70	1.50	3.75	2.35	1.01	3.00	21.84
April	4.20	1.00	3.63	2.51	1.15	2.45	1.78	2.53	.94	1.08	1.72	22.99
May	4.74	2.14	1.08	3.81	4.61	5.71	4.21	1.62	1.30	2.55	1.60	33.37
June	2.56	.36	2.22	.89	2.86	.00	2.04	4.79	5.88	1.14	8.14	24.88
July	6.74	1.10	4.58	4.89	3.91	1.85	3.67	2.17	2.03	3.54	6.03	40.31
August	2.33	4.75	4.23	4.70	5.83	4.85	4.47	5.59	4.95	3.73	5.18	50.61
September...	2.63	.85	3.24	4.40	3.19	4.49	3.39	6.39	1.25	1.90	3.48	35.21
October	1.34	2.28	.33	4.58	4.80	5.15	3.71	3.15	4.12	5.34	5.08	37.88
November...	.95	2.36	2.69	5.54	1.63	2.11	5.28	3.89	5.15	6.87	4.73	41.20
December...	2.92	4.84	4.09	5.33	3.78	1.99	1.59	.83	2.67	6.47	3.27	37.88
TOTALS...	38.66	26.16	35.33	45.24	37.23	37.83	38.00	40.56	42.86	55.65	41.10	418.62

1911-21 used 11.23 inches 21.25

1922 Hedge about 13 yds. S.
Shed 10' high1926 Hedge 4' 6" high, 14 yds S.
Shed 13' 0" " , 14 " SPosition of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1922	53° 25'	2° 16'	Old Trafford	600 yds	W.	S. Milda	100 yds	Sw.

RAINFALL at Manchester (Hullard Park)

County of South LancashireObserver Stretford V.D.C.River Basin Mersey - Inwell - 3.Type of Gauge GlaisherAnnual Average 32.4in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S

827798/28.

Diameter	8.											
Height	1.1.											
Altitude	100.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	4.90	3.61	2.33	2.31	2.22	3.66	3.30	4.12	4.70	1.99		33.14
February	3.75	1.6	3.13	4.8	3.21	2.07	4.89	1.02	3.80	1.98		24.49
March	1.33	2.23	2.49	2.54	1.42	1.53	1.59	1.11	1.64	2.80		17.68
April	3.74	3.43	1.18	2.04	3.05	1.02	2.55	3.9	2.34	1.95		24.77
May	2.85	4.40	1.57	2.27	6.9	8.9	2.15	3.50	1.76	1.01		21.09
June	5.23	4.1	3.36	2.02	3.41	3.20	1.33	3.44	2.51	.93		25.84
July	4.44	3.43	2.56	2.32	1.22	3.05	1.46	4.54	5.74	3.98		32.7
August	7.73	1.37	1.44	3.09	1.49	2.43	2.45	2.62	1.62	1.57		25.81
September	2.96	3.72	1.21	3.02	5.59	4.43	.96	1.83	.88	3.41		28.01
October	1.87	7.82	3.66	5.09	5.57	3.32	1.92	6.24	1.58	3.82		40.59
November	5.12	2.95	1.26	1.59	5.02	3.56	1.35	4.00	5.40	6.10		35.35
December	1.75	1.49	.50	5.16	3.59	3.38	2.73	3.76	3.18	2.79		28.33
TOTALS	44.67	34.52	24.69	31.96	36.48	32.54	26.68	36.77	35.20	32.33		335.84
	D.	3	D.	D.	D.	D.	D.	D.	D.	D.		92.8

Hedge 42' high
Shed 18' high42' S.
42' S.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
1931			Old Trafford	600 yds	W.	St. Hilary	100 yds	S.

Station No. 2828RAINFALL at Manchester (Holland Park)

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County of South Lancashire Observer Stretford U.D.C.River Basin Mersey - Irwell - 3Type of Gauge GlaisherAnnual Average 32.4 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 825798/28

Diameter	8"			563	349							
Height	1'1"				1							
Altitude	100'				4				X			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	5.4	3.89	4.01	4.48	2.69	4.40	2.33	7.56	2.42	1.91		Total 34.53
February	3.02	1.87	2.53	1.41	3.49	5.44	4.4	1.87	1.70	3.87		25.64
March	2.71	2.90	1.91	.71	.93	.69	5.04	.99	1.93	1.48		18.29
April	1.23	1.10	1.50	2.32	2.15	1.06	2.70	1.61	2.74	3.03		17.44
May	1.40	2.81	2.17	2.84	4.14	.62	2.20	1.31	3.76	1.22		22.47
June	.13	.85	2.91	2.57	4.15	3.45	1.99	4.47	.73	3.30		24.55
July	2.34	3.77	1.44	3.79	1.34	4.13	2.62	2.55	1.51	3.35		26.93
August	4.65	4.11	4.74	3.49	2.49	4.62	.39	4.16	2.48	4.85		35.98
September	.56	1.77	4.77	3.37	2.73	4.99	2.43	2.32	.72	5.28		28.74
October	4.40	5.72	3.09	3.69	6.13	1.07	.57	2.35	2.97	2.36		32.35
November	2.18	.64	2.81	6.44	.47	4.74	4.23	1.90	4.54	5.17		33.12
December	1.67	3.86	1.81	2.53	2.20	3.35	2.70	3.08	4.91	3.30		29.41
TOTALS	25.16 d	33.29 d	32.69 d	37.64 d	32.91 d	38.54 d	27.64 d	34.17 d	30.47 d	39.12 d		331.65 1946

1941 Hedge 2 b high 14 yds. S. Shed 13 high 14 yds. S.

1947 many ice falling off

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			Old Trafford	600 y.	W.	St. Hilary's Old Trafford.	100 y.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 2828

RAINFALL at Manchester (Hullard Park)

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County of Lancashire

Observer Stratford U.D.C.

River Basin Mersey-Trent-3

Type of Gauge Laishier

Annual Average 32.4 in. based on 19 years obs. un-weighted.

Period of average 1881-1915 Ref. S

34.71 " " 35 " " 1916-1950

File No. 827198/28

Diameter ...	8"			563349							
Height ...	1' 10"			1							
Altitude ...	100'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.12	3.51	1.44	3.42	2.14	4.70	2.36	3.08	3.12	4.31	31.20
February ...	2.10	.81	1.56	3.37	1.83	.85	2.26	5.55	.43	2.13	20.89
March ...	4.53	2.34	1.95	2.58	2.09	1.04	2.93	2.26	1.50	0.81	22.03
April ...	1.84	3.56	2.38	.70	2.14	3.60	.53	1.17	2.71	1.90	20.53
May ...	2.10	1.72	1.86	2.58	3.06	1.20	1.56	3.18	.94	2.15	20.35
June ...	1.00	2.36	2.35	3.81	3.38	2.45	1.75	4.59	2.45	2.24	26.38
July ...	2.90	2.59	3.96	6.38	1.05	5.41	5.25	4.57	2.63	5.70	40.50
August ...	4.19	2.29	4.05	4.91	.74	9.31	5.06	(6.21)	.28	5.31	42.35
September ...	3.01	3.16	2.56	4.31	2.39	2.52	5.72	4.70	.25	3.61	32.23
October ...	1.17	3.40	2.07	6.08	2.01	3.08	4.11	2.87	3.33	4.03	32.15
November ...	7.01	2.46	3.40	5.71	2.01	1.58	1.59	1.45	4.03	3.96	33.20
December ...	5.49	3.64	1.34	5.34	4.64	3.20	3.11	3.57	5.10	3.92	39.55
TOTALS ...	38.66	31.84	28.92	49.19	27.48	38.94	36.23	43.20	26.77	40.13	361.36
	D	D	D	D	D	D	D	D	D	D	

1951. Hedge 2'6" high at 14 yds S. shed 13' 10" high at 14 yds S.

Inspected June 1966. Mr. Decker. Gauge bottom off. Wincingful. bolt. Site satisfactory.

1957. Rain days high but accept.

00204

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 33/8 23.962

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Old Trafford	600 Y W	St. Hilda's	100 Y W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓ D 22.25-30 d 23.24.	✓ ✓ lost d 36	✓ D 44-46 48-50 d 41-43 47	