

RAINFALL at Hullard Park, Old Trafford.

County of LANCASTER S.

Observer Ernest Worrall, Esq., C.E.

River Basin Mersey-Sowell 3

Heights Rain Gauge, by N + Z.

Diameter ...	8"										1910-19 Means inches
Height	1' 1"										
Altitude.....	100'										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
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	2.84	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	2.38	4.74	5.55	2.85	1.66	5.00	4.62	14.13	
TOTALS ...	29.61	37.89		32.09		30.47		37.34		31.29	128.89
	28.34		32.36		29.79						

Back years 1911-21 omitted x1.25.

Dense cloud 10' high, 13.76 S.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53° 26' 2° 16'	sea Trafford			600 yds.	W	S. Hilda.	100 yds.	SW.

2828
20

RAINFALL at Manchester Shilland Park

County of Lancashire

Observer E. Worrell Esq., C.E.

River Basin Mersey-Trevel - 3

Surveyor to Stratford U.D.

E PARKER 638-CA

Glaisher Rain Gauge, by N & J

1922. Hedge 1911-21 seed #23 October XI-22
about 13 yrs. - S.

Set 10. hix

1926. Hedge 4' 6" high, 14 yds S.
Shed 13' 0" " 14 " S

Position 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° 28'	2° 16'	Old Trafford	600 yds.	W.	S. Hildas	100 yds.	E.W.

RAINFALL at Manchester (Hullard Park)

County of South Lancashire

Observer Stretford V.D.C.

River Basin..... Mersey - Irwell - 3.

Type of Gauge..... Glycerin

Annual Average 32.4 in. based on 12 years obs., un-weighted. Period of average 1961-1975 Ref. 5
827798/28.

Diameter	8										
Height	1.1.										
Altitude	100.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.90	3.61	2.33	2.81	2.22	3.66	3.30	4.12	4.70	1.99	33.1
February	3.75	.16	3.13	.48	3.21	2.07	4.89	1.02	3.80	1.98	24.1
March	.33	2.23	2.49	2.54	1.42	1.53	1.59	1.11	1.64	2.80	17.0
April	3.74	3.43	1.18	2.09	3.05	1.02	2.55	3.9	2.39	1.95	21.7
May	2.85	4.40	1.57	2.27	.69	.89	2.15	3.50	1.76	1.01	21.1
June	5.23	.41	3.36	2.02	3.41	3.20	1.33	3.44	2.51	.93	25.1
July	4.44	3.43	2.56	2.32	1.22	3.05	1.44	4.84	5.74	3.98	32.2
August	7.73	1.37	1.44	3.09	1.49	2.43	2.45	2.62	1.62	1.57	25.8
September	2.96	3.72	1.21	3.02	5.59	4.43	.96	1.83	.88	3.41	28.1
October	1.87	7.82	3.66	5.09	5.57	3.32	1.92	6.24	1.38	3.82	40.0
November	5.12	2.95	1.26	1.59	5.02	3.56	1.35	4.00	5.40	6.10	36.0
December	1.75	1.49	.50	5.16	3.59	3.38	2.73	3.76	3.18	2.79	29.0
TOTALS	144.67	34.52	24.69	31.96	36.48	32.54	26.68	36.77	35.20	32.33	315.

Hedge 42' high 42' S.
Shed 13' high 42' S.

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			Old Trafford	600yds	W.	St Hilda's	100yds	S.

Station No. 2828

RAINFALL at Manchester (Hulme Park)

41

County of South Lancashire Observer Stretford U.D.C.

River Basin Mersey - Gowell - 3

Type of Gauge Glass

Annual Average 32.4 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 824798/28

Diameter	8"		563	349						
Height	11"			1						
Altitude	100'		47							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
										Means
January	.84	3.89	4.01	4.48	2.69	4.40	2.33	7.56	2.42	1.91
February	3.02	1.87	2.53	1.41	3.49	5.44	4.44	1.87	1.70	3.87
March	2.71	2.90	1.91	.71	.93	.69	5.04	.99	1.93	1.48
April	1.23	1.10	1.50	2.32	2.15	1.06	2.70	1.61	2.74	3.03
May	1.40	2.81	2.17	2.84	4.14	.62	2.20	1.31	3.76	1.22
June	.13	.85	2.91	2.57	4.15	3.45	1.99	4.47	.73	3.30
July	2.37	3.77	1.44	3.79	1.34	4.13	2.62	2.55	1.57	3.35
August	4.65	4.11	4.74	3.49	2.49	4.62	3.39	4.16	2.48	4.85
September	.56	1.77	4.77	3.37	2.73	4.99	2.43	2.32	.72	5.28
October	4.40	5.72	3.09	3.69	6.13	1.07	.51	2.35	2.97	2.36
November	2.18	1.64	2.81	6.44	.47	4.74	4.23	1.90	4.54	5.17
December	1.67	3.86	1.81	2.53	2.20	3.35	2.70	3.08	4.91	3.30
TOTALS	25.16	33.29	32.69	37.64	32.91	38.56	27.64	34.17	30.47	39.12

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

1947 manufac. july 88

Total 34.53

25.64

18.29

19.44

22.47

24.55

26.93

35.78

22.94

32.35

33.42

29.41

33.65

Pd.

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.
1941			Old Trafford	600y.	W.	St. Hilda's, Old Trafford.	100y.	S.

Station No. 28.28

51

RAINFALL at Manchester (Hulland Park)

County of S. Lancashire

Observer Stretford M.W.C.

River Basin. Mersey - Irwell - 3

Type of Gauge. Glaisher

Annual Average 32.4 in. based on 19 years obs. un-weighted. Period of average 1881-1915
 34.71 " " 35 " 1916-1950 Ref. S
 File No. 827798/28 P

Diameter	8"		563349									
Height	1 ft 1 in		1									
Altitude	1001		51									
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
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	2.68	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	5.76	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	5.69	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. Sheet 13' 10" high at 14 yds S.

Inspected June 1952. Mr. Deeks. Gauge bottom off because flat bolt. Site
satisfactory.

1957 Rain days high but accept.

0204

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 33/823962

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Old Trafford	600'	N	St. Helens	100' 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
		✓	✓	✓	✓	

22, 25-20
 23, 24,