

RAINFALL at Luton, Wardown Park

County of Bedfordshire

Observer E. A. Mander Esq.

River Basin Thames-Sea 2

J.W. Tomlinson Esq. CE (1922)
Borough Engineer

McCoppin Rain Gauge, by N. & J.

Diameter ...	5"	5"										
Height	1.0	1.0										
Altitude ...	390	581										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1920- 1930	Totals
January	2.49	2.07	2.59	1.29	2.61	1.36	2.78	2.57	3.54	1.46	3.15	25.90
February	1.47	1.28	2.11	3.51	1.62	3.37	2.57	3.66	1.59	.68	0.65	19.51
March	1.57	.79	1.93	2.14	.71	1.29	.11	1.97	1.93	.04	1.46	14.04
April	4.13	1.03	3.28	1.43	3.06	1.45	3.10	1.53	.77	1.76	1.94	23.48
May	1.75	1.27	1.06	1.11	5.68	1.87	2.15	.65	1.33	1.35	2.33	20.65
June	2.17	.77	1.23	.41	1.67	.09	2.78	2.97	1.43	.62	0.30	13.84
July	3.41	.75	3.81	3.48	4.00	3.81	2.41	2.30	2.39	1.11	1.86	28.73
August98	.87	2.58	2.65	1.72	2.34	.86	3.81	2.10	.31	2.28	20.50
September....	2.35	1.49	2.12	2.07	2.93	2.51	1.81	4.46	.58	.12	3.68	24.12
October.....	1.44	.67	.67	3.95	3.84	3.66	2.39	1.55	3.87	3.86	0.84	26.74
November....	1.43	2.20	1.16	1.45	2.86	1.67	4.13	2.80	2.22	5.79	3.96	29.67
December....	1.74	1.62	2.51	2.20	3.19	1.48	.39	3.29	2.44	4.91	2.36	36.43
TOTALS	23.93	12.61	25.05	25.69	32.89	24.99	25.48	31.56	24.49	22.01	24.81	272.51

1921. Section roughly level & high 10 ft off N.

19/4/28 Inspected see green file

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
1921.	51°24'	0°25'	Luton	1 mile	S.	H. Matthews, St Mary's	2/4 miles	S.E.

RAINFALL at Luton (Wardown Park) M.W.R.

County of Bedfordshire

Observer Fred Tomlinson, Esq., C.E.

River Basin Thames - Lea - 2.

F. Oliver (1940)

Type of Gauge



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

Diameter	5"												
Height	1.0.												
Altitude	381.												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total	Means	
January	1.25	1.65	1.55	1.76	1.72	3.54	4.15	2.78	6.29	2.59	25.38		
February	1.81	.28	2.32	.52	2.85	2.46	3.50	.52	.70	1.97	16.93		
March	.06	1.48	2.14	2.22	.45	1.19	3.44	.41	1.86	2.98	16.23		
April	3.41	2.32	.93	1.32	3.18	1.17	2.93	.05	3.16	1.86	20.32		
May	2.12	4.35	1.69	.60	2.19	.50	3.81	1.70	1.66	2.23	20.85		
June	1.44	1.20	1.97	1.33	2.52	3.71	1.47	.43	2.10	.76	16.93		
July	3.43	2.97	.94	1.11	1.26	5.02	.97	1.56	1.93	2.63	23.82		
August	3.73	3.66	.57	1.96	1.67	.23	1.72	4.86	6.21	.02	23.33		
September	2.07	1.88	2.27	1.35	3.61	2.98	1.85	1.69	1.41	.67	19.71		
October	.49	4.16	1.47	1.80	2.51	1.59	2.69	2.79	4.13	2.97	24.60		
November	2.93	1.47	1.29	1.80	4.24	2.65	1.56	2.75	2.88	7.67	29.24		
December	.77	.54	.42	4.51	2.69	1.93	3.06	3.54	1.64	1.37	20.37		
TOTALS	25.51	25.66	17.56	20.28	27.79	26.97	31.15	23.08	31.99	27.72	257.71		TH

Inspected 27/3/34. Measure now standard. New one (Type) purchased 11/34.

Sft vld brk.

Annual average of 24.7 - rejected from Bedford money on 15" low (1x/40)
Position of Station on reduced Ordnance Survey Map, } No. of Map.....
1 mile to 1 inch Series Reference No.....

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

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

Station No. 1161

RAINFALL at Luton (Hardown Park)

M.W.R. (106) 41

County of Bedfordshire

Observer F. Oliver Esq.

River Basin Thames - sea - 2

The Borough Engineer

Type of Gauge

25.2+

Annual Average, "X" in. based on 16 years obs. un-weighted. Period of average 1881-1915. Ref. A.W.S.

File No.

Diameter	5"		240	194								
Height	1' 0"				1							
Altitude	381'				41							Total
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.81	2.76	4.43	1.66	2.02	1.57	1.38	4.62	1.02	.79	23.05	
February	2.17	.76	1.14	1.04	1.59	2.14	1.61	.89	1.11	3.58	16.06	
March	3.12	1.30	.56	.12	.50	1.67	(5.17)	.86	1.05	.72	15.07	
April	1.09	1.22	1.02	2.38	1.05	.88	1.85	1.38	1.31	2.11	14.29	
May	1.98	2.76	2.29	1.09	1.78	2.16	1.13	2.83	1.47	2.14	19.63	
June	1.30	.32	2.53	1.81	1.72	2.53	2.21	3.66	.45	1.32	17.86	
July	3.09	2.40	1.21	1.26	1.91	1.66	1.99	.98	2.01	4.62	21.13	
August	3.95	3.48	1.37	1.96	1.88	3.51	.01	2.68	1.85	2.80	23.49	
September	.64	1.08	1.31	2.23	2.03	3.39	1.13	2.25	.25	2.91	17.21	
October	1.28	3.44	2.43	3.24	2.56	1.56	.19	2.44	4.52	1.42	22.08	
November	2.64	1.60	1.19	3.10	1.21	5.66	1.01	1.65	3.00	4.71	25.77	
December	1.13	2.55	1.15	1.22	3.07	1.94	2.60	2.50	1.16	1.53	18.95	
TOTALS	25.20	23.66	20.66	21.10	21.32	28.67	20.28	26.74	19.20	27.65	234.48	
	D	D	D	D	D	D	D	D	D	D		

Jan 56-1950. observer added 6" improve rainfall ratios while un-deteriorated.

13/6/50. Prop. Mr P.D. Tunley site above exposed to ESE & NW. Fall of 12 ft
to NW. Cricket pitches to S & E. Trees can be seen.
1951 Ground always down sharply to road.

+ a new site was later selected (1932) & computed average then becomes 25.2, which is probably,
 } Annual average of 24.7 in. rejected from survey as 1½" less (6x140)

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. 1161

M.W.Rob
51RAINFALL at Luton (Wardown Park)County of HertfordshireObserver A. Borough EngineerRiver Basin Thames - So - 2Type of Gauge M.O.

Annual Average 25.2 in. based on 16 years obs. un-weighted. Period of average 1881 - 1915 Ref. R.W.S.
25.10 " " 35 " 1916 - 1950 1916 - 1950
 File No. 1161 40
F 23/05/58

Diameter ...	5"			240	194					5"	
Height ...	1' 0"									1' 0"	
Altitude ...	381'									349'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Total Means
January	2.95	1.86	1.20	.87	2.28	4.37	1.03	2.30	3.27	2.41	22.54
February	4.46	.63	1.67	2.19	2.06	.61	2.72	2.55	.03	2.02	18.94
March	3.39	2.80	.64	2.87	1.15	.92	1.15	1.63	1.85	1.78	17.68
April	3.05	1.83	2.24	.86	.45	1.09	.26	1.33	2.42	.41	13.44
May	2.64	2.06	1.65	2.76	4.35	.50	.89	1.91	.76	1.50	19.02
June	.91	.77	1.96	3.47	2.45	3.21	1.09	4.21	1.09	1.49	20.65
July	1.66	.48	2.56	3.06	1.12	2.73	3.65	2.08	3.84	2.91	23.09
August	3.81	3.06	1.88	3.78	.71	4.29	1.95	2.15	1.11	3.53	26.27
September	2.58	3.27	1.69	1.63	1.33	2.41	2.61	3.73	.11	3.50	22.86
October	1.09	2.86	2.36	1.74	2.36	1.74	2.61	2.41	1.74	5.15	24.06
November	4.65	3.96	1.41	4.93	1.33	.91	1.89	1.92	2.13	4.21	27.34
December	1.71	2.96	.62	2.19	2.61	3.62	2.43	2.24	3.41	3.55	25.94
TOTALS ...	32.90	26.54	19.88	29.35	21.20	26.40	22.28	28.46	21.76	32.46	261.23
	D	D	D	D	D	D	D	D	D	D	

Map 21/9/50. D.N. Federation. Satisfactorily exposed gauge in quiet clear condition, now

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference ULL82 9897231

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

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
			✓	✓	✓	✓