

RAINFALL AT Liverpool Breeze Lane
 Lat. _____ Lon. _____ County of Lancashire

Rain Gauge, by _____
 Mersey - lower 2 Observer Thos. J. Brodie Esq. C.L.

Diameter										5	
Height										9	
Altitude										135 ft	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January									1.23	1.96	3.50
February									2.43	1.71	1.40
March									2.41	.79	1.75
April									2.25	1.71	2.70
May									1.40	4.28	2.72
June									4.63	2.26	2.72
July									1.02	.51	2.19
August									5.73	4.30	1.54
September									4.67	1.15	3.76
October									1.45	3.97	2.98
November									4.55	2.54	1.40
December									2.98	2.01	3.12
TOTALS									34.75	27.19	29.78

1897 St Mary's Church 360 ft S.W.
 House 40 ft high 47 SE

RAINFALL AT Liverpool Breeze Lane

Lat.

Lon.

County of Lancashire South

Circular Rain Gauge, by

Observer J. A. Brodie Esq. C.E.

Mersey 2

Diameter ..	5										
Height ..	0 9										
Altitude ..	135 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MENS.
January ..	4.66	1.96	2.15	2.61	2.65	1.31	5.21	1.08	2.06	2.15	2584
February ..	3.21	1.52	1.81	2.32	4.41	1.40	2.74	1.59	2.65	1.02	2267
March ..	1.11	1.62	2.42	3.58	2.07	3.45	2.06	2.25	3.16	2.95	2497
April ..	1.30	1.64	2.04	2.01	1.41	2.46	1.02	1.24	2.96	2.99	1907
May ..	1.53	1.03	3.80	3.16	2.16	0.41	2.80	3.10	3.02	1.49	2250
June ..	3.10	1.82	1.95	2.24	1.81	1.64	1.58	6.29	2.38	2.87	2518
July ..	1.06	1.72	2.29	2.42	1.40	2.19	0.96	2.49	4.40	4.75	2368
August ..	6.93	2.68	2.85	4.46	5.06	3.57	3.21	3.49	3.70	2.85	3880
September ..	0.79	1.01	1.20	5.41	2.69	1.90	1.79	0.89	3.63	3.19	2250
October ..	3.70	3.99	3.50	8.94	1.97	3.41	5.99	4.28	2.70	4.47	4295
November ..	3.57	3.29	2.51	3.26	2.15	4.39	2.22	2.89	2.90	1.39	2857
December ..	2.98	3.98	2.86	1.82	3.40	0.43	3.56	3.02	2.22	6.56	3083
TOTALS ..	33.94	26.26	29.38	42.23	30.68	26.56	33.44	32.61	35.78	36.68	32556

1901 April Gauge moved 30 ft N.E.

St Mary's Church Walton 500 ft S.E.

Wall 8' 6" high 27° E

1903 Walton-on-Hill Station Cheshire 100 ft

Hub

RAINFALL at Liverpool Breeze Lane

County of South Lancashire

Observer J. A. Brodie Esq. cl.

River Basin Lower Mersey 2

H Owen Esq. L.

Rain Gauge, by

Diameter ...	5												
Height	0.9												
Altitude ...	135 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	3.02	0.82	4.74	4.31	1.46	3.95	2.07	1.92	2.26	3.34		9.59	
February ...	3.06	2.59	1.54	0.75	1.76	2.78	3.43	1.60	2.89	1.40		9.32	
March	0.85	1.51	5.12	3.23	3.52	1.49	1.75	3.10	1.31	6.22		12.38	
April	3.15	2.46	0.22	3.56	0.86	1.71	2.23	1.82	1.28	1.60		6.93	
May	2.64	1.49	2.28	3.18	2.29	1.55	2.78	3.24	3.09	1.15		10.26	
June	3.93	2.87	3.71	2.39	1.52	1.28	2.49	1.94	2.03	1.79		8.25	
July	4.91	0.36	4.36	2.57	4.63	4.25	1.54	1.75	5.03	1.72		10.04	
August	5.13	3.79	6.27	1.79	2.06	6.26	3.08	7.65	2.29	4.17		17.19	
September ..	0.66	4.94	1.28	2.18	3.44	0.82	2.76	1.53	8.60	2.58		15.67	
October ...	3.31	3.26	3.69	2.71	2.50	2.35	5.18	7.38	2.78	2.94		18.28	
November ...	5.41	2.81	2.67	3.59	3.48	2.33	3.13	3.70	2.23	1.95		11.01	
December ...	3.88	4.65	2.61	2.43	6.09	6.19	2.21	1.92	7.20	6.07		17.40	
TOTALS ...	39.95	31.55	38.49	32.69	33.61	34.96	32.65	37.55	40.99	34.93		146.12	

(1912) year wall 8' 6" high 27 ft E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53°26'54"	2°58'4" W	Wallerforth Hall Cheshire				St Mary's	500 ft	S

RAINFALL at Liverpool Breezy Lane

County of S. Lancashire

Observer J. A. Brodie Esq. C.E.

River Basin Lower Mersey 2

J. P. Frank C.E.

(1925) M.O. Rain Gauge, by

City Engg Liverpool

Diameter ...	5"											5" 6"
Height	0.9											1100"
Altitude ...	135-											11990-
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	Total 13
January ...	3.94	4.25	4.10	2.14	2.52	1.79	3.25	3.85	6.58	2.40	5.10	39.92
February ...	2.93	0.27	3.45	4.18	0.77	5.28	3.27	1.75	2.98	0.94	.20	26.02
March	4.70	2.13	1.56	1.60	1.18	1.09	1.18	3.45	1.73	0.96	2.96	22.54
April.....	4.95	1.44	2.10	3.18	2.18	2.19	1.10	1.69	0.99	0.91	2.55	23.23
May	3.69	2.26	1.53	3.53	6.92	3.29	4.33	1.53	1.36	1.87	.81	31.14
June	3.32	0.26	2.88	0.56	2.55	0.04	1.83	4.48	5.26	1.41	2.02	24.61
July	6.55	1.03	4.39	3.46	4.12	3.10	4.08	3.57	1.56	2.62	4.63	39.11
August	2.27	5.76	4.24	2.24	5.74	3.63	3.68	6.39	3.49	3.56	5.32	47.62
September...	3.57	1.68	3.48	3.85	4.51	4.49	4.95	5.70	1.39	1.93	2.61	37.96
October....	1.53	3.29	0.39	4.50	3.97	4.62	3.85	3.06	3.91	4.51	5.57	38.70
November...	1.02	2.47	2.14	3.82	1.54	2.75	5.50	5.85	5.09	5.21	4.74	39.63
December...	2.67	4.63	4.48	5.32	3.63	2.77	1.23	1.68	2.51	4.92	4.85	38.19
TOTALS...	41.14	29.47	34.74	39.40	39.63	38.04	37.75	42.50	36.85	31.54	40.66	408.72

1920 Gated Wall 8' 6" high 27 ft E.

1929 At Breezy Lane until 25 June 1929. Gauge moved to "loop" Setpt Queen's Drive

on above date. 400 yards E. Centre of
Wood Lane 3' 0" ~~6' 0" long~~ rectangular space 22x22 with wood fence 3' high all round
One storey building 15' 0" high 50' 0" L.W. enclosure

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
1920	53° 26' 54"	2° 58' 44"	Walling-on-the-Hill	450 ft. N.E.		St Mary's	500 ft. S
After 25/6/29				(6 M 15 R 6)	550' W		1000 ft. S.W.

RAINFALL at Liverpool (Queens Drive)

County of South Lancashire

Observer Liverpool Corp.

River Basin Mersey lower - 2

Type of Gauge M.O.

Annual Average 33.3 in. based on 33 years obs. un-weighted. Period of average 1881-1912 Ref. 81511/28.

Diameter	5.										Means
Height	1.0.										
Altitude	119										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	3.14	8.06	2.06	2.31	1.85	4.26	2.23	3.17	4.59	1.79	Totals 29.06
February	2.82	0.10	3.07	0.24	3.08	2.54	4.92	0.95	2.69	2.14	22.55
March	0.89	2.29	2.11	1.52	.96	1.78	1.58	1.25	1.46	2.77	16.11
April	2.70	3.30	1.30	2.04	2.86	1.10	3.27	0.31	2.07	1.64	20.64
May	2.63	4.28	1.50	2.25	1.99	.90	2.47	3.22	1.40	2.57	23.21
June	4.48	0.52	2.46	1.68	3.00	4.04	1.58	3.28	3.04	.93	25.01
July	2.88	4.58	1.70	1.59	3.13	3.97	1.98	2.90	6.22	4.52	32.97
August	6.32	1.15	1.78	3.11	2.72	1.63	2.71	5.39	1.95	1.16	27.92
September	3.76	3.83	.92	2.91	5.87	3.66	2.54	2.16	0.89	3.11	29.75
October	2.27	6.48	3.82	6.03	4.79	2.23	2.62	6.14	2.34	4.21	40.93
November	5.47	2.81	1.66	2.03	4.22	3.75	1.88	3.92	5.20	5.66	36.60
December	1.85	1.58	.85	4.86	3.62	3.70	2.09	4.26	2.63	2.64	28.07
TOTALS	38.5	33.98	23.23	30.62	38.09	33.56	29.87	36.95	34.88	33.14	332.73
	D	D	D	D	D	D	D	D	D	D	446

Fenced rectangle 3' high 6' away.

Overstory building 15' high 50' S.W. rectangular space 12' 0" x 12' 0"

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			Watton-on-the-Hill	860 ft	W	St. Mary's	1000 ft	S.E.

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

Station No. 2818

RAINFALL at Liverpool (Queens Drive)

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County of South Lancashire Observer Liverpool Corp.

River Basin Mersey - Lower - 2

Type of Gauge M. O.

Annual Average 33.3 in. based on 33 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 81511/28

Diameter	5"		567	623							
Height	1'0"				1						
Altitude	119'				41			119.2			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.12	3.75	4.15	4.39	2.04	4.22	2.51	6.71	2.63	1.26	33.78
February	3.22	1.53	2.23	1.25	2.93	4.54	1.21	1.85	1.08	4.64	24.48
March	3.07	2.94	0.73	0.92	0.97	.89	5.02	0.87	2.39	1.22	19.02
April	1.94	1.64	1.65	3.12	1.85	1.01	2.84	1.21	2.45	2.83	20.54
May	1.87	3.45	2.35	1.88	4.62	2.14	3.94	2.06	3.09	0.93	26.33
June	0.53	.31	2.50	3.04	3.27	3.29	2.39	3.58	0.69	2.16	21.76
July	2.14	3.78	5.56	2.40	2.25	3.72	3.09	3.10	1.99	2.61	30.64
August	4.44	4.54	3.82	3.20	2.11	5.15	0.43	3.39	2.46	8.04	37.58
September	1.10	2.37	3.56	5.46	1.55	4.38	2.72	2.00	1.03	5.23	29.50
October	3.81	4.14	4.28	4.65	4.36	.77	0.89	2.36	4.04	2.64	31.74
November	2.83	9.0	2.39	6.38	0.32	4.80	3.30	1.91	5.21	5.95	33.89
December	1.22	3.63	1.86	2.71	2.77	3.07	2.94	2.93	5.12	3.85	30.12
TOTALS	28.29	32.98	35.08	39.40	29.04	37.98	31.30	31.87	32.18	41.46	339.59

1941 Wood fence 3' high b' amel. rect. space. One Storey Building 15' high 50' S.W.
12' by 12'

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
1941			Walton-on-the-Hill (L.M.S.)	28 1/2 y.	W.	St. Mary's (Walton)	333 y.	S.W.

Station No. 2818

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RAINFALL at Liverpool (Queens Drive)

County of St. Lancashire

Observer Liverpool Corp.

River Basin Mersey Down - 2

Type of Gauge A.B.A.

Annual Average 33.3 in. based on 33 years obs. w-e-weighted. Period of average 1881-1965
 35.06 35 1916-1950 Ref. S
 File No. 815111/28 P

Diameter ...	5"		567	623					5"	
Height ...	11 "				1				8"	
Altitude ...	119				51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January	2.52	3.76	1.59	3.14	2.50	4.25	1.88	2.69	3.34	5.29
February	2.98	0.98	1.44	3.30	2.70	0.41	2.17	5.41	0.36	1.62
March	5.17	2.32	1.27	2.49	1.90	1.45	2.25	1.63	1.81	1.87
April	1.33	2.67	2.65	0.77	2.00	3.02	0.45	0.87	3.29	1.44
May	3.32	2.43	0.51	2.94	3.70	1.14	1.66	3.15	1.95	2.67
June	1.21	2.41	1.65	3.49	3.71	2.23	1.87	4.73	3.23	1.26
July	1.87	1.51	3.39	4.31	1.08	4.68	4.54	4.00	3.82	3.98
August	5.11	2.79	4.09	4.35	1.41	9.12	4.30	3.50	1.22	4.95
September	3.15	3.85	4.29	3.27	2.47	2.65	6.16	4.56	0.31	3.51
October	0.94	5.24	1.98	6.20	2.45	2.50	3.29	3.53	3.36	3.98
November	8.22	3.23	3.84	6.59	1.71	1.56	1.50	1.92	5.32	6.79
December	5.64	3.84	1.75	3.60	4.04	2.52	3.15	3.83	6.03	3.21
TOTALS	41.46	36.03	30.45	44.45	29.67	35.53	33.22	39.82	34.04	40.57
	D	D	D	D	D	D	D	D	D	D

1951 Wood fence 3' at 6' all round Building 15' high at 50' F.W.

1952 15' high. 4" chain link fencing with iron posts 6' high and 12' x 12' all round otherwise unsafe satisfactory. Lg. surrounded by concrete

Position of Station on Ordnance One-Inch map : No. of Map 101 National Grid Reference 331361950

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Waller-on-Wharfe	285'	W.	St. Mary's Waller	355' S.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
		✓	✓	✓	✓	✓