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RAINFALL at St. Helens, Victoria Park.County of Lancaster, South Observer R. Macdonald, Esq.River Basin Mersey, Lower - 2.Rain Gauge, by N. 3.

Diameter ...												8	
Height .....												1.5	
Altitude.....												160	
Year .....	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January.....												2.96	
February ...												1.27	
March .....												3.42	
April .....												1.89	
May .....												2.10	
June .....												1.42	
July .....												1.67	
August .....												4.81	
September...												2.31	
October.....												2.52	
November...												2.51	
December ...												5.98	
TOTALS ...												32.56	

Observing. 9 ft. high 30 ft. w.

1919-20 29.522  
1920) 29.522

29.522

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°	3°	St. Helens. J.C.K.	1 mi	N.	St. Marks.	1/4 mi	N

RAINFALL at St. Helens Victoria ParkCounty of LancashireObserver R. Macdonald Esq.River Basin Lower Mersey 2Dr. F. Hauxwell M.O.H. (1922)R. W. Macdonald Esq. (1924)(1922) M.O. Rain Gauge, by H. & J.

Diameter ...	6										
Height .....	1 5"										
Altitude ...	160										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN.
January ...	3.81	4.42	4.44	2.62	2.72	1.84	4.94	3.98	7.66	2.12	5.21
February ...	3.00	0.17	3.15	3.80	0.97	4.99	3.11	1.72	2.36	1.00	3.0
March .....	3.38	2.69	1.59	1.80	1.21	1.27	1.62	3.82	1.71	1.00	3.19
April .....	4.26	1.59	2.26	3.02	1.81	1.87	0.92	2.00	0.95	0.97	2.65
May .....	4.24	1.73	1.39	3.08	5.38	3.79	3.95	1.25	1.48	2.31	1.86
June .....	6.04	0.24	2.03	0.61	2.48	0.09	1.61	4.41	5.53	2.28	1.89
July .....	7.14	1.41	4.20	3.32	4.49	3.61	3.41	3.24	2.07	2.68	2.91
August .....	2.55	4.93	3.03	4.03	6.13	4.31	4.04	7.14	5.21	4.21	6.64
September...	2.69	1.23	4.29	3.85	4.46	4.29	3.50	5.82	1.41	1.95	2.91
October .....	1.33	2.20	0.74	4.26	4.03	4.29	3.76	3.26	4.48	5.61	5.29
November...	1.30	2.41	2.41	5.09	1.64	3.49	4.93	4.94	5.64	6.30	5.44
December...	2.83	4.81	5.17	5.60	3.66	2.62	1.15	2.02	2.76	5.84	4.36
TOTALS...	42.37	27.83	34.70	41.08	38.98	36.46	36.94	43.60	41.25	36.27	42.05

1920. May. 9 ft. high 10 yds. W.  
 1922. 2.60 7. S.  
 1925. " 9 " " 12. E.  
 1926. " 10 " " 12. W.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1921.	53° 27'	45° 3'	St. Helens	1	N.	St. Marks	4 1/2	N.

## RAINFALL at St. Helen's (Victoria Park)

County of South LancashireObserver Dr. F. HauxwellRiver Basin Mersey-Liver-2Type of Gauge M.O.Annual Average 33.0 in. based on 11 years obs. un-weighted. Period of average 1881-1955 Ref 5

Diameter	8.										
Height	1.5.										
Altitude	160										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.08	4.24	1.60	2.58	2.93	4.05	2.30	3.70	5.00	2.16	
February	5.25	0.12	3.31	0.33	3.21	1.96	4.10	1.00	2.02	2.65	
March	0.36	2.13	2.17	2.05	1.29	1.73	1.56	1.05	1.76	2.40	
April	3.07	2.63	1.04	2.18	2.46	1.23	3.08	0.37	1.96	2.23	
May	2.24	4.83	1.62	2.55		0.87	2.74	3.70	1.22	2.48	
June	4.21	0.27	2.64	1.65		2.50	1.92	3.65	2.86	1.00	
July	2.54	3.42	2.00	1.33		3.70	1.63	3.42	6.25	3.31	
August	6.72	1.67	1.50	4.55		1.48	2.85	4.67	1.73	1.29	
September	3.11	3.74	1.10	2.34		3.76	1.54	1.79	0.91	3.66	
October	2.16	7.56	4.34	5.53		2.89	2.64	7.24	1.83	3.82	
November	6.53	2.67	1.53	2.16		3.93	1.83	3.98	5.10	6.32	
December	1.62	2.09	.73	5.58	3.58	3.78	2.07	3.58	3.27	2.56	
TOTALS	347.9	35.87	23.58	32.83	32.95	32.95	28.25	38.15	33.91	33.88	

Tree 9' high 12'E.

1940 Jan. Feb. Apr. corrected for snow.

After 1935 the values have been calculated from charts of self-recorders. Check gauge readings are not available for the period up to July 1944. vide letter of 26.7.44.

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.			L.N.E.R.	$\frac{1}{2}$ m.	SSE	St. Mark's	200 yds	S.E.
1940			L.M.S.	$\frac{1}{2}$ m.	SW	Parish Church	$\frac{1}{4}$ m.	S.W.

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



Station No. 2822

RAINFALL at St. Helen's (Victoria Park)

41

County of South Lancashire

Observer Dr. J. H. Hurrell

River Basin Mersey - Lower - 2

Medical Officer of Health 1950

Type of Gauge M.O.

Annual Average 33.9 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 88614/31

Diameter	8"			566	051						
Height	1'5"				1						
Altitude	160'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.20	3.36	2.59	4.35	1.89	3.96	2.29	6.26	1.88	1.32	
February	2.89	1.86	1.74	1.12	2.98	4.89	0.71	2.03	1.25	4.26	
March	2.63	2.76	1.69	0.56	1.13	.87	4.09	1.98	2.03	1.24	
April	1.64	1.46	1.21	2.28	2.12	.88	2.56	1.40	2.25	2.98	
May	1.46	3.26	1.96	2.32	3.93	2.13	2.63	1.35	3.21	1.02	
June	1.46	1.48	1.64	2.70	4.45	3.57	2.12	3.92	.94	2.33	
July	2.26	3.62	1.59	2.97	2.99	3.32	2.62	2.77	3.05	2.96	
August	5.14	3.42	3.16	2.68	2.56	4.74	.18	4.24	2.23	6.64	
September	1.02	2.31	1.30	4.26	2.43	4.09	2.73	1.68	1.39	5.14	
October	3.38	4.16	1.92	3.90	4.94	1.01	.61	2.51	3.84	2.55	
November	2.18	0.76	1.65	5.68	0.33	4.78	3.64	1.91	4.72	4.35	
December	1.13	3.63	1.10	2.98	2.60	2.82	3.05	2.74	4.84	2.72	
TOTALS	26.98	31.08	17.80	36.50	32.35	37.06	27.23	31.79	31.63	37.51	

1941 trees 9' high 12' E.

1943 up 12 inches low check of readings not available. Values since including 1946 have been calculated from charts, with little of 26.7. use.

There is a self-recording gauge &amp; check gauge at this station

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	Parish Church.	Distance from gauge.	Direction
1941 1946			L.M.S. St. Helen's (Victoria Park)	1/2 m.	S.W.	Parish Church St. Helen's	1/4 m.	S.W.

Station No. 2822

RAINFALL at *St Helena (Victoria Park)*

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County of *Lancashire*

Observer

*Medical Officer of Health.*River Basin *Mussey-Lowen-2*Type of Gauge *M.O*Annual Average *32.9* in. based on *11* years obs. un-weighted. Period of average *1881-1915* Ref. *S*File No. *8864/31*

Diameter ...	8"			566	051						
Height ...	1' 5"				1						
Altitude ...	160'	145'			51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.17	3.32	1.40	2.75	2.28	4.18	1.87	1.84	2.69		
February ...	1.79	1.11	0.98	2.17	2.02	0.46	1.63	4.13	0.27		
March ...	4.47	2.17	1.25	2.32	1.85	.75	2.64	1.43	1.19		
April ...	1.71	2.62	2.88	.89	2.13	3.09	.52	.89	2.47		
May ...	2.14	2.34	2.27	2.37	2.56	.90	1.62	3.42	2.16		
June ...	.86	2.48	1.75	3.02	2.69	1.88	1.42	4.39	2.53		
July ...	2.32	1.76	3.88	4.38	.60	4.60	3.82	4.80	2.72		
August ...	4.43	2.79	3.47	4.59	1.91	9.21	4.81	3.49	.95		
September ...	3.16	3.16	4.01	3.59	3.22	2.97	5.47	3.79	.30		
October ...	.89	4.08	2.10	6.08	2.19	2.47	3.59	3.19	3.03		
November ...	8.51	2.23	3.25	5.73	1.45	1.83	1.17	1.78	5.03		
December ...	6.39	2.88	1.06	3.68	4.20	2.15	2.76	3.50	5.43		
TOTALS ...	40.84	30.94	28.30	41.57	27.10	34.49	31.32	36.65	28.77		
	D	D	D	D	D	D	D	D	D		

1951 Trees 25' at 24' N Trees 25' at 36' E

1954 Trees 20' @ 24' N Trees 20' @ 36' E.

Annual Average 34.39 in based on 7 yrs obs. 1936-42. Data not fit after 1942. Period Average 1915-1960 *Revised*

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference *33508963*

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
(1951)			St Helena Central	± m.	N.E.	St Marks	130 yds	E.S.E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1919	✓	31-34, 36-40, 42	41, 43, 44-50	
	-	221-30	✓	✓	