

# RAINFALL AT Chester Sewerage Works

Lat. ....

Lon. ....

County of Chester

Symon's Rain Gauge, by Coverdale

Observer Rev. J. J. Mitchell

W. D. Scoulton Esq. B.E.

Dec - 4.

Diameter ..								5			
Height ....								10			
Altitude ..								20	34	7	
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..								#	1.23	1.58	1.52
February ..								1.13	1.36	.64	
March ....								1.42	2.59	2.01	
April .....								1.24	2.87	1.79	
May .....								3.10	2.54	1.27	
June .....								5.38	1.82	3.20	
July .....								2.58	2.90	2.98	
August ....								2.37	3.02	2.63	
September..								.31	3.51	2.60	
October....								3.36	1.67	3.00	
November..								2.09	1.93	.76	
December ..								.96	1.97	4.25	
TOTALS ..								25.16	27.76	26.65	

1908 Trinity Church

1/2 mile

E.S.E

Norhgate Station

1

E.N.E

near 20 ft high

60 yards

N.E

RAINFALL at Chester Sewerage WorksCounty of CheshireObserver W.D. Scouller EsqRiver Basin Dee 4Symons Rain Gauge, by Caella

Diameter ...	5										
Height .....	1 0										
Altitude ...	34 K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.63	.42	4.01	2.23	1.36	2.60					
February ...	1.92	1.23	.85	.73	1.64	2.50					
March .....	.70	.87	4.46	3.00	2.46	1.08					
April .....	2.39	.49	.20	3.13	.60	1.27					
May .....	1.81	.61	2.25	2.57	1.86	1.86					
June .....	2.19	2.47	2.83	1.66	2.16	.62					
July .....	3.19	.55	2.12	1.19	4.42	2.94					
August .....	2.59	2.25	4.62	2.40	2.03	3.90					
September ..	.26	4.11	.97	1.36	2.18	.82					
October ...	2.72	1.96	2.55	2.32	1.43	1.74					
November ..	5.38	1.77	2.41	1.82	3.08	2.85					
December...	3.11	4.02	1.57	1.51	4.50	4.26					
TOTALS ...	27.89	20.75	24.84	23.92	27.72	26.44	NR				

1914 Ins 20 ft high 60 yards NE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Northgate	1 m	ENE	Holy Trinity	1/2 m	E.S.E

RAINFALL at Chester Sewage WorksCounty of CheshireObserver F. W. Dwyer Esq.River Basin Dee 4C. Greenwood & Co.Snowdon Rain Gauge, by CasellaC. W. B. Dwyer

Diameter ...	5								5		
Height .....	1.0								1		
Altitude ...	34								33		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	2.94	3.08	3.41	1.39	2.21	1.87			3.97	1.49	3.98
February ...	2.34	.28	1.23	3.61	.69	4.08			1.86	.84	.42
March .....	3.14	1.03	1.11	.81	.95	.75			1.94	.20	4.01
April .....	4.21	.97	1.44	1.77	.93	1.90			(1.61)	1.14	2.85
May .....	2.79	1.07	.26	3.08	4.71	3.04			1.64	2.33	1.62
June .....	4.45	.14	1.67	.40	2.77	.00			3.97	2.00	.80
July .....	5.42	.54	3.43	3.23	4.65	2.14			1.36	3.19	5.40
August .....	1.53	3.30	3.53	2.90	4.69	4.21			2.50	3.29	3.84
September...	2.35	.67	2.73	2.71	3.42	2.96			1.84	1.47	2.50
October .....	2.80	1.32	.49	3.38	3.40	3.67			3.18	4.20	4.16
November...	.55	2.20	1.05	1.82	1.66	2.81			3.36	5.06	3.29
December...	2.05	2.27	3.71	4.02	2.86	2.04			2.22	4.08	4.20
TOTALS...	34.57	16.87	24.06	29.12	33.94	29.47	NO	NO	29.50	23.29	38.57
	D	D	D	D	D	D			D	D	D

1920. Thermometer Screen 5' ft high 10 ft S.E.  
 Meteorological Mast 12 " " 15 " S.S.E.

1921. Pelings 3' 6" high 6' W.N.W.  
 Stand for Thermometer 4' high 7' W.S.W.  
 Stephenson Screen 5' 6" " 12' W.S.W.  
 Recording Mast 15' high 30' S.S.W.  
 429 wooden mast 7' high 26' E.

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
1920	53° 3'	2° 2'	Northgate	1 1/2 miles	NE	Holy Trinity Warrington St.	1 1/2 miles	SE



## RAINFALL at Chester. (Sewage Disposal Wks.)

County of CheshireObserver C. Greenwood Esq. C.E.River Basin Dee - 4Type of Gauge Snarndon M.O. (1939)Annual Average 25.1 in. based on 15 years obs. un-weighted. Period of average 1891-1915 Ref S

873648/28

Diameter	5.							5			
Height	1.0.	1.2					0 10 0 0	6			
Altitude	33.	16									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.37	2.32		1.50	1.32	5.07			4.56	1.79	
February	2.18	.03		.08	2.04	1.87			2.57	1.46	
March	.45	1.79		1.46	.74	1.60			1.67	2.30	
April	3.00	3.27		1.92	2.13	1.92			1.39	1.91	
May	3.02	3.45		1.29	1.61	.91			1.41	2.24	
June	5.66	.26	1.24	.82	3.03	4.91		imp.	2.15	1.33	
July	2.14	2.58	1.11	.58	1.04	2.66		.70	5.49	3.93	
August	7.10	1.97	.99	2.37	1.49	1.50		2.07	1.62	.37	
September	4.10	2.69	.58	1.17	4.46	2.72		4.31	.67	2.73	
October	1.50	5.64	3.57	2.80	3.73	1.14		.82	2.99	3.30	
November	4.33	2.13	1.38	2.51	4.00	1.88		2.43	3.78	5.21	
December	1.04	.80	.56	4.22	3.23	2.00		3.04	1.81	2.27	
TOTALS	36.89	26.93	imp.	20.72	28.82	28.19	*	imp.	30.11	28.84	
	2	2		2	2	2			2	2	

Wooden Hut 7' high 26'E.

Buck wh. pumping station. Green House. 18' high 60' SE.

26' 0" high 75' S.W.

Gauge moved 500' N.

\* 1937 Record received from recording gauge and returned in file

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			Chester Northgate	1m.	NE.	Walgate St.	1m.	SE.
1940						Portgate Rd.	1080y.	N 60 E.

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

Station No. 2796RAINFALL at Chester (Sewage Disposal Works)

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County of CheshireObserver C. Greenwood Esq. C.E.River Basin Dec - 4Engineer & Surveyor (1950)Type of Gauge StandardAnnual Average 26.1 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 873648/28

Diameter	5"										
Height	0' 6"										
Altitude	16'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.73	3.60	3.42	2.77	1.06	2.66	1.72	5.49	2.06	2.1	
February	3.03	1.51	1.39	1.16	1.38	2.98	(1.20)	1.01	1.05	4.47	
March	2.95	2.01	.88	.64	.78	.82	(4.60)	.72	2.31	1.08	
April	1.30	1.19	1.21	(.81)	1.08	.71	(2.21)	1.53	2.30	3.45	
May	1.78	2.83	2.02	1.44	3.02	2.37	2.65	.74	2.98	.80	
June	.54	.25	2.33	1.01	2.01	3.29	1.89	2.92	.57	1.27	
July	1.75	2.81	3.18	1.98	2.62	2.48	3.54	2.04	3.30	1.59	
August	2.90	1.87	3.03	2.25	2.03	3.93	.35	2.47	1.59	4.00	
September	.49	1.43	3.33	3.07	1.11	2.41	1.96	1.57	.58	3.72	
October	3.56	1.82	3.69	3.88	3.88	1.10	.50	1.61	2.77	1.79	
November	2.65	.45	3.14	4.74	.23	3.44	3.00	1.47	3.46	3.62	
December	1.14	3.03	1.42	1.27	2.13	3.06	2.15	2.84	2.53	2.48	
TOTALS	26.92	22.80	29.04	25.02	21.33	29.25	(25.77)	24.41	25.50	28.08	
	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	

1941 Brick Pumping Stn. 26' high 75' S.S.W. Brick Screen House 18' high 60' S.E.

1947 Feb - April cold lot snow

04004

74004

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			Chester Northgate	1330y.	N 80° E	Parigate Rd.	1080y.	N 60° E

BRITISH RAINFALL ORGANIZATION

Station No. 2796

RAINFALL at Chester (Sewage Disposal Works)

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County of Cheshire

Observer

E. J. &amp; L. J. J. J.

River Basin

Type of Gauge

Snowdon + A (+405)

Annual Average 26.1 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. S

27.44

32

within 1916-57

File No.

1916-50

8736/18/28

Diameter ...	5"			548	814						
Height ...	0' 6"				1						
Altitude ...	16'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.49	2.26	.84	1.47	1.73	3.27	1.12	1.59	3.66	4.34	
February ...	1.72	.61	1.31	1.74	1.46	.11	2.24	3.87	.20	2.21	
March ...	3.66	.79	.57	1.42	1.99	1.04	1.21	1.19	.98	1.53	
April ...	1.20	1.42	2.22	.67	1.37	2.23	.61	.33	2.90	1.17	
May ...	3.26	1.62	1.90	2.42	2.63	.54	1.64	1.83	1.24	2.00	
June ...	1.53	1.42	1.33	3.15	3.44	1.72	1.40	4.49	3.05	1.14	
July ...	2.04	1.49	3.40	3.31	.36	4.55	4.81	2.62	2.25	3.36	
August ...	2.88	1.50	2.09	3.98	.91	6.61	3.01	3.71	1.80	4.79	
September ...	1.71	3.59	2.62	2.03	2.63	1.65	6.47	4.18	.12	3.89	
October ...	.74	4.03	1.28	4.63	1.97	1.83	1.45	2.05	2.05	4.01	
November ...	5.61	1.74	1.93	5.72	1.52	.73	1.23	1.98	3.65	4.28	
December ...	3.26	3.01	1.11	2.70	1.94	2.18	1.46	2.77	4.10	2.54	
TOTALS ...	29.10	23.48	20.60	32.64	21.94	26.46	26.65	30.61	26.00	35.26	
	D	D	D	D	D	D	D	D	D	D	

1951 Brick pumping stn. 26' at 75' A.S.W. Screen Ho. 8' at 60' A.E.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference

ST 393 667

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Chester Northgate	1330 <sup>x</sup>	N. 80° E	Chester Northgate	1080 <sup>x</sup>	N 60° E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-15	20-25 28-30	31, 32 34-36, 39, 40	✓	
	✓	20-25 28-30 31, 32 34-36, 39, 40	20-25 28-30 31, 32 34-36, 39, 40	✓	