

RAINFALL AT Chester Sewerage Works

Lat.

Lon.

County of Chester

Smyth Rain Gauge, by ... Cawell ...
See - 4. Observer, Mrs. Anna Mitchell
W.D. Scoular Esq., B.C.

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height ..									10		
Altitude ..									20	347	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
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	2.64	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 ..									2.08	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.
 Northgate Station 1 E.N.E.
 Trees 20 ft high 60 yards N.E.

RAINFALL at Chester Sewerage Works

County of Cheshire

Observer W. D. Scandlerby

River Basin Dee 4

Symons Rain Gauge, by Castle

Diameter ...	5										
Height	1 0										
Altitude ...	347										
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					
March70	.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	28.84	23.92	27.72	26.44	NR				

1914 Trees 20 ft high Go yard NE

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

RAINFALL at Chester Sewage Works

County of Cheshire)

Observer F. W. Doyle Esq.

River Basin Dee

G. Greenwood A.R.C.

Snowdon Rain Gauge, by Casella

C.R. 800 ft. above sea level

Diameter ...	5"								5"		
Height	1.0								1		
Altitude ...	34								33		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN.
January ...	2.94	3.08	3.41	1.39	2.21	1.87			3.97	1.69	3.98
February ...	2.34	2.8	1.23	3.61	1.69	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	1.93	1.90			(1.61)	1.14	2.85
May	2.79	1.07	2.6	3.08	4.71	3.04			1.64	2.33	1.62
June	4.45	.14	1.67	4.0	2.77	.00			3.97	2.00	.80
July	5.42	.54	3.43	3.73	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	3.50
October	2.80	1.32	1.49	3.38	3.40	3.67			3.18	4.20	4.16
November ...	3.55	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...	84.57	16.87	24.06	29.12	33.94	29.47	NO	NO	29.50	22.29	38.07
	D	D	D	D	D	D			D	D	D

1920. Thermometer Screen 5' ft high 104° S.E.
Meteorological Hut 12" " 15" S.S.E.

1921. Palings 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 Hut 15' high 30° S.S.W.

439 West Ness hut 7' high 26° E.

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

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 31'	2° 15'	Northgate	1 mile	N 15° E	Holy Trinity Watergate St.	3/4 mile	S.E.

RAINFALL at Chester (Sewage Disposal Wks.)

County of Cheshire

Observer C. Greenwood, Esq., C.E.

River Basin Dee - 4

Snowdon (1939)

Type of Gauge Snowdon. M.O. (1939)

Annual Average 26.1 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
January	2.37	2.32		1.60	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			2.15	1.33
July	2.14	2.58	1.11	.58	1.04	2.66			5.49	3.93
August	7.10	1.97	.99	2.37	1.49	1.50			1.62	.37
September	4.10	2.69	.58	1.17	4.46	2.72			.67	2.73
October	1.50	5.64	3.57	2.80	3.73	1.14			2.99	3.30
November	4.33	2.13	1.38	2.61	4.00	1.88			3.76	5.21
December	1.04	.80	.56	4.22	3.23	2.00			1.81	2.27
TOTALS	36.89	26.93	imp.	20.72	28.82	28.19	*		30.11	28.84
	2	2		2	2	2			2	2

Wooden Hut 7' high 26° E.

Brick wb. pumping station. Screen House. 18' high 60° SE.

26° 0' high 75° 5' SW.

Gauge moved 500' N.

* 1937 Record received from recording gauge and retained in file

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
1931			Chester Northgate	1m.	NE.	Walgrave St.	1m.	SE.
1940						Patrigate Rd.	1080y	N 60° E.

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

Station No. 2796

RAINFALL at Chester (Sewage Disposal Works)

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County of Cheshire

Observer

C. Greenwood Esq. C. E.

River Basin Dee - A

Long-distance Surveyor (1950)

Type of Gauge Standard

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

File No. 873648/28

Diameter	5"			508	814						
Height	0' 6"					1					
Altitude	16'					41					
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	1.21	
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	1.88	1.64	1.78	1.82	(1.60)	1.72	2.31	1.88	
April	1.30	1.19	1.21	(1.81)	1.08	1.71	(2.21)	1.53	2.30	3.65	
May	1.96	2.83	2.02	1.44	3.02	2.37	2.65	1.74	2.98	1.80	
June	1.54	1.25	2.33	1.01	2.01	3.29	1.89	2.92	1.57	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	1.35	2.47	1.59	4.00	
September	1.49	1.43	3.33	3.07	1.11	2.41	1.96	1.57	1.58	3.72	
October	3.56	1.82	3.69	3.88	3.88	1.10	1.50	1.61	2.44	1.79	
November	2.65	1.45	3.14	4.74	1.23	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	
	D	D	D	D	D	D	D	D	D	D	

1941 Brick Pumping Skin. 26' high 75' S.W. Brick Screen House 18' high 60' S.E.
 1947 Feb - April extra for snow 04004 70004

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
1941			Chester Northgate	1330 y	N 80° E	Pantegate Rd.	1080 y N 60° E

Station No. 2796

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RAINFALL at Chester (Sewage Disposal Works)

County of Cheshire

Observer Engineer & Surveyor

River Basin Dee - 4

Type of Gauge Snowdon + A
(+HOS)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. " 1916-50 File No. 873648/28

Diameter ...	5"			548	814						
Height ...	0' 6"					1					
Altitude ...	161					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	1.11	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	
October74	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 sta. 26' at 75' a.s.l. Screen A v. 18' at 60' a.s.l.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference S 393 667

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Wester Ronthgate	133°X N. 89°E	Wester Ronthgate	108°X N 60°E

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	10-15 ✓	20-25 28-30 22-23 25-28 24	31, 32, 34-36, 39, 40 21, 22 24-36, 40	✓ ✓ West Ronthgate	