

RAINFALL AT Congleton Sewage Works

Lat. Lon. County of Cheshire
 Rain Gauge, by Weaver - 2. Observer Ronald Burdon Eg. & C.

Diameter ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height						10					
Altitude ...						248 ft					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January						1.54	3.90	1.16	1.60	1.93	
February						1.62	2.59	1.58	2.24	1.01	
March						3.53	2.38	1.60	2.43	3.86	
April.....						2.30	2.44	1.88	2.02	2.21	
May56	2.94	3.24	2.04	1.54	
June						2.02	1.74	4.23	1.68	3.18	
July						2.71	1.09	3.17	2.69	5.07	
August						3.86	2.01	3.85	2.73	2.90	
September..						2.04	1.86	.62	2.77	2.69	
October....						2.82	4.96	3.03	.90	5.27	
November..						3.06	1.73	1.84	2.36	1.22	
December ..						.53	3.45	1.88	2.41	5.28	
TOTALS ..						26.59	31.09	28.08	25.87	36.16	

1905 51 Peters Church 3/4 mile S

? N. S Railway 1/2 . S

Hedge 7 ft high 20 yards SE

Slope 5 ft - 15 ft . S

q. 70 yards from Buglawton q.

RAINFALL at Longleton Sewage Works

County of Cheshire

Observer Randle Burdett Eng Cl.
J.H. Walters Eng Cl. 1912

River Basin Mersey-Wear 2

Rain Gauge, by—

Diameter ...	5										
Height	10										
Altitude ...	2487										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.60	1.19	3.03	2.21	1.65	4.27	1.57	2.63	1.51	3.15	
February ...	2.72	2.02	.78	1.49	2.11	3.18	4.43	1.34	2.97	.88	
March94	1.90	4.29	3.93	3.47	1.54	1.96	1.92	2.12	5.26	
April	3.55	2.06	.25	3.40	.99	1.42	2.86	1.74	1.34	1.72	
May	2.49	1.12	1.99	2.44	1.99	1.53	2.36	2.07	2.80	1.19	
June	1.85	3.35	3.93	2.16	1.41	2.20	2.32	1.01	1.84	2.06	
July	4.60	.51	2.95	1.66	4.66	4.95	1.98	1.09	4.42	2.31	
August	4.71	2.24	5.92	2.40	3.46	2.68	3.33	4.68	2.90	3.38	
September47	2.53	1.69	1.52	1.70	.95	1.97	1.70	3.83	2.55	
October ...	2.62	2.39	2.92	2.39	1.51	1.48	3.18	4.16	1.72	3.02	
November ...	5.39	2.44	3.00	2.25	3.30	2.75	1.77	2.87	2.32	2.13	
December ...	3.41	5.30	3.14	1.27	5.05	5.24	2.93	1.30	5.36	5.18	
TOTALS ...	35.35	27.04	33.89	27.12	31.20	32.19	30.66	26.51	35.13	32.83	
	2	3	2	3	2	3	2	3	2	3	

8 m flat grass plot
1913 shed 9 ft high 35%

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53° 1'	2° 5'	Copleton		1 1/4 m	S.S.W.	St Peter St James St Stephen	3/4 m	S.S.W.

RAINFALL at Congleton Sewage Works

County of Cheshire

Observer J. H. Walters Esq. C.E.

River Basin Mersey- Weaver 2

W.H. Duncan & Arthur C.E. 1924

(1925) M.A.O. Rain Gauge, by

Borough Surveyor Congleton

Diameter ...	5"						5"			
Height	10					10				
Altitude ...	248				348	248				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929 MEANS.
January ...	3.47	3.92			3.02	2.53	2.83	2.29	6.07	2.25 4.38
February ...	2.89	.46			1.43	4.44	3.04	2.11	2.66	.93 .23
March	2.83	1.73			.99	.98	1.30	3.99	1.76	.69 2.70
April.....	4.60	1.66			2.41	1.85	1.39	2.62	1.19	1.04 2.69
May	4.13	1.36			4.05	5.04	4.07	1.55	0.92	2.23 2.03
June	3.09	.63			2.42	.17	2.21	5.52	5.08	2.19 1.47
July	4.49	.77			4.08	2.74	3.03	3.21	1.92	3.13 6.25
August	1.64	5.49			5.23	2.60	3.38	4.34	4.60	0.02 5.03
September...	3.15	.90			2.82	4.40	3.33	4.00	.81	1.93 3.18
October.....	1.92	2.63			3.74	4.05	2.67	2.01	3.77	6.00 5.45
November...	.57	2.01			1.54	2.13	4.80	2.82	4.68	6.87 3.72
December...	2.21	3.04			3.12	1.91	1.17	1.01	2.15	5.45 3.90
TOTALS...	34.99	24.60	33.20	40.50	34.85	32.84	33.72	36.47	35.61	36.75 41.03

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

Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 1'	2° 5' 13"	Congleton	1/2 mi	SE	St. James 1927 St Peters	1/4 mi	SW

RAINFALL at Congleton (Sewage Works) (+A)

County of Cheshire

Observer Borough Surveyor

River Basin Mersey Weaver 2

Type of Gauge M.O.

30.5 16

Annual Average ~~32.1~~ in. based on 15 years obs. un-weighted. Period of average 1931-1935 Ref. 243690/33

Diameter	5"										Mean Total
Height	1.0										
Altitude	248										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	3.11	2.96	2.01	2.49	2.13	3.23	3.51	3.93	4.41	1.82	29.60
February	3.56	2.23	4.58	4.47	3.51	1.96	4.80	1.98	2.18	2.10	24.37
March	1.45	2.06	3.00	2.45	1.05	1.71	2.04	1.90	1.88	2.26	17.80
April	4.81	2.86	1.71	2.06	3.22	1.21	3.35	1.18	1.49	1.88	22.27
May	3.26	5.52	1.62	1.56	9.9	1.80	1.97	2.13	1.46	1.63	20.94
June	5.09	7.4	4.12	2.66	4.55	2.76	1.82	2.63	1.75	1.45	27.56
July	4.22	3.62	3.84	1.75	1.33	6.82	3.84	3.61	4.57	3.72	36.32
August	5.59	4.06	0.84	2.01	1.72	2.30	1.48	3.40	2.18	1.24	24.82
September	3.33	2.93	0.82	2.10	5.02	3.60	1.87	1.40	1.92	2.86	24.88
October	1.39	7.13	4.87	3.17	4.85	2.84	2.12	4.19	2.86	3.49	36.91
November	5.11	2.94	1.63	2.09	4.85	3.63	1.18	3.41	5.12	6.67	36.63
December	1.67	1.16	0.44	4.74	3.38	3.13	3.16	3.89	1.69	2.91	26.17
TOTALS	41.09	36.21	29.48	27.57	36.60	32.99	31.14	30.65	30.51	32.03	328.27

1932 observer agrees to big owing to works in operation near gauge.

1933 up to big, observer agrees. T.A. 243690/33

Inspected 28/9/37 all over

1937 Turf wall erected 22/12/37

New g. set up 22/12/37

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			Congleton	1/2 m	NW	St. Peter's	1 m.	NW.
1937				1 1/2 m	SE		1 1/2 m	SE
1940				1 1/2 m	SW	"	1 1/2 m	SW

Station No. 2768

RAINFALL at Longleton (Sewage Works) (+A)

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County of Cheshire Observer Borough Surveyor

River Basin Mersey & Tees - 2

Type of Gauge m.s. 16

Annual Average 30.5 in. based on 44 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 243690/33

Diameter	5"			554	723						
Height	1' 0"				1						
Altitude	248'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Tables
January	1.13	3.23	4.92	4.54	2.72	2.56	1.91	6.61	2.30	1.32	31.24
February	3.42	1.54	1.87	1.72	2.59	5.34	.61	1.74	1.52	4.26	24.61
March	2.29	1.78	.83	.51	1.30	.78	4.19	1.16	2.07	1.34	16.25
April	1.64	1.51	1.59	2.55	1.58	1.11	2.78	1.49	2.56	3.06	19.87
May	2.46	4.01	2.44	2.35	3.44	1.47	2.02	1.05	2.40	.98	23.02
June	.53	.79	2.54	3.11	2.61	2.67	2.02	4.67	1.42	2.08	22.44
July	3.18	4.04	1.57	3.18	1.54	4.67	3.01	2.54	3.06	2.88	29.62
August	4.36	2.44	2.90	2.83	2.92	4.21	.64	4.62	2.19	4.74	31.85
September	.46	2.18	3.85	3.29	1.84	4.10	1.97	2.11	.87	4.22	24.89
October	3.99	3.71	2.97	4.77	5.13	.73	.52	2.11	3.01	1.89	28.83
November	2.77	.67	2.38	5.01	.64	4.69	3.87	2.22	4.70	4.09	31.04
December	1.20	3.12	1.50	2.33	2.92	3.41	2.95	2.99	3.17	3.17	26.76
TOTALS	27.53	29.02	29.36	36.10	29.23	35.74	26.49	33.13	29.57	33.98	310.42

1947 Pumping station 10' high, 40' S.W.

§ Turfwall round gauge

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			Longleton	1½ m.	S.W.	St. Peters	1½ m.	S.W.

Station No. 2768

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RAINFALL at S. Gargleton (George Works) (A)County of ShropshireObserver Borough SurveyorRiver Basin Mersey - Weaver - 2Type of Gauge M.O. (A)

30.5 16

Annual Average 30.5 in. based on 46 years obs. un-weighted. Period of average 1881-1915 Ref WS
" " 31.10 " " 18 " " within 1938-57. " " 1916-50 File No. 243690/33

Diameter ...	5"	554	723								
Height ...	1" 0"		1								
Altitude ...	247'		51	248		247					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.03	3.63	1.22	2.22	2.56	4.34	1.49	2.57	2.47	4.55	27.07
February	3.07	1.36	1.64	2.75	1.98	8.4	2.02	4.08	1.41	1.98	20.13
March	4.97	1.96	1.38	2.33	2.64	1.54	2.82	1.27	1.44	0.84	21.19
April	2.84	3.55	2.48	.50	1.63	1.28	.48	.97	2.51	1.37	17.61
May	2.59	2.31	1.92	2.36	2.72	1.07	1.25	2.97	.96	1.69	19.84
June	1.83	2.68	2.23	3.97	2.86	2.81	1.95	5.11	1.34	2.81	27.59
July	3.19	1.75	4.15	4.47	1.83	4.30	5.86	4.00	1.89	3.37	34.81
August	4.65	1.31	3.52	4.60	1.02	7.40	4.28	4.98	.72	3.43	35.81
September	2.38	2.60	2.57	3.44	2.40	2.03	5.88	4.42	.12	3.65	29.49
October	.90	2.60	2.10	5.39	2.04	2.52	2.58	2.98	2.06	4.08	27.25
November	1.11	1.87	2.21	5.21	1.64	1.35	1.41	1.60	3.64	4.56	30.60
December	4.33	3.16	1.20	4.17	3.03	3.29	2.81	2.96	4.73	3.50	33.18
TOTALS ...	39.89	28.78	26.62	44.31	26.34	32.77	32.83	37.91	22.29	35.83	324.57

1951. Present station 10' at 46° S.N.

1956. Slightly low but accept.

Graph II 1959 f.B.O.K. Not yet well. It may have been more since previous inspection in 1957. It is not found reasonably well except with both ends of 9°, 10° WSW to stone-torch and 2°, 18° NE to settling torch. 4°, 35° NW to sandstone rods. Reconstruction work in the new fabric may necessitate a further change of site. Delivery-tube off.

\$ Tuff wall.

Position of Station on Ordnance One-Inch map : No. of Map 110 National Grid Reference 33/257635

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Gargleton	1/2 m S.W.	St Peters	1/2 m S.W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	2021, 24-20 D 10, 11, 18, 19	V but - 29	✓ n.p. 33 ✓	✓